

I hereby certify that the following Agenda was posted at least 72 hours prior to the time of the Board Meeting so noticed below, at the usual agenda posting location of the South Orange County Wastewater Authority [SOCWA] and at www.socwa.com.



Betty Burnett, General Manager
SOCWA and the Board of Directors thereof

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

February 3, 2022
8:30 a.m.

Closed Session at 8:30 a.m.
Open Session at 9:30 a.m.
(or immediately following the Closed Session)

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. 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. 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 DISABILITY RELATED 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.

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 TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). 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, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BOARD OF DIRECTORS MEETING ROOM.

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AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
February 3, 2022

REVISED AGENDA

1. CALL MEETING 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.

PAGE NO

4. AB 361 – Allowing for Virtual Meetings – Findings and Approval to continue virtual meetings.....1

ACTION

The staff recommends the Board of Directors approve the findings and actions:

1. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020, relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the February 3, 2022, Board meeting, the Board hereby FINDS AND DECLARES that as a result of the Covid-19 pandemic, meeting in person presents imminent risks to the health or safety of attendees, and directly impacts the ability of the members to meet safely in person; and that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, February 3, 2022, to March 5, 2022, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with AB 361'S Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the March 3, 2022, board meeting as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at that meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

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5. CLOSED SESSION

- A. A Closed Session pursuant to Government Code Section § 54957
- Public Employee Performance Evaluation - Title: General Manager
- B. Report out of Closed Session.

6. CONSENT CALENDAR

- A. Minutes of Board of Directors23
1. Board of Directors Regular Meeting of November 4, 2021
 2. Board of Directors Special Meeting of November 4, 2021
 3. Board of Directors of Special Meeting of December 9, 2021

ACTION The Board will be requested to approve subject Minutes.

- B. Minutes of Executive Committee59
- Executive Committee Closed Session Meeting of January 20, 2022

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

- C. Minutes of PC 15 Committee60
1. PC 15 Committee Special Meeting of November 3, 2021
 2. PC 15 Committee Special Meeting of November 15, 2021

ACTION The PC 15 Committee will be requested to approve subject Minutes as submitted; and the Board will be requested to receive and file subject Minutes.

- D. Minutes of Engineering Committee64
1. Engineering Committee Meeting of October 14, 2021
 2. Engineering Committee Meeting of November 18, 2021

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

- E. Operations Reports – November 2021 71
1. Monthly Operations Report
 2. SOCWA Ocean Outfall Discharges by Agency
 3. Beach Ocean Monitoring Report
 4. Recycled Water Report

ACTION The Board will be requested to receive and file the November 2021 Operations Reports.

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F. Operations Reports – December 2021	110
1. Monthly Operations Report	
2. SOCWA Ocean Outfall Discharges by Agency	
3. Quarterly Report on Key Operational Expenses	
4. Beach Ocean Monitoring Report	
5. Recycled Water Report	
6. Pretreatment Report	

ACTION The Board will be requested to receive and file the December 2021 Operations Reports.

G. Capital Improvement Program Status Report	162
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ACTION Information Item

H. Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, 15, and 17].....	169
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ACTION The Engineering Committee recommends that the PC-15 Board of Directors approve JR Filanc Change Order 5 for \$19,000.00, Change Order 6 for \$4,833.91, Change Order 7 for \$6,198.46, Change Order 8 for \$3,515.83, Change Order 9 for \$3,525.37, Change Order 10 for \$5,461.87, and Change Order 11 for \$27,903.24 for a total of \$70,438.68 and a revised contract value of \$3,208,123.48 for the PC-15 Export Sludge Force Main Replacement project.

7. ENGINEERING MATTERS

A. Contract Amendment for the J.B. Latham Treatment Plant Package B Geotechnical Services [Project Committee 2]	189
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ACTION The Engineering Committee recommends that the PC-2 Board of Directors approve the contract amendment to Ninyo & Moore in the amount of \$30,000 for a total revised contract amount of \$79,399 for the geotechnical services for the J.B. Latham Package B Project.

B. Addendum No. 2 Award to Tetra Tech for Engineering Design Services for the Effluent Transmission Main Trail Bridge Crossing Project Project Committee 21, Reach D].....	193
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ACTION The Engineering Committee recommends that the PC 21 Reach D Board of Directors approve the Tetra Tech Amendment No. 2 in the amount of \$136,439 for a total revised contract amount of \$503,567 for the final design of the Effluent Transmission Main Trail Bridge Crossing Project.

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- C. J.B. Latham Treatment Plant Package B – [PC-2], Approval to Release Payment for Change Orders #18 through 34, Olsson Construction [Project Committee 2]206

ACTION The Engineering Committee recommends that the Board of Directors approve issuing payment on Package B Change Orders 18-34 as billed by Olsson (shown on the attached spreadsheet) with the understanding that additional submissions may be forthcoming from Olsson related to the same work.

- D. Engineering Support Services , Dudek Engineering [Project Committees 2, 5, 15, 17, 21 & 24]208

ACTION The Staff recommends that the Board of Directors authorize the General Manager to engage the services of Dudek Engineering as follows:

- JBL Facility Package B support. Services will include ongoing peer review of the construction administration through the end of August 2022. The supporting services will directly assist SOCWA Engineering Department staff. Support needs are estimated at 4 hours per week at a cost of \$48,360.
- CIP Project Engineering Support Assistance PC 5, 15, 17, 21, and 24 in the amount of \$47,500.00 for the following efforts:
 - a. 3220-Package B Liquids
 - b. 3287-Package B Solids
 - c. 56221O-Outfall port cleaning
 - d. 3534-Export Sludge System
 - e. 3745-West Slope Protection Evaluation
 - f. 3747-Southside Plant Flooding Evaluation
 - g. 3105-Air Valve Replacement Design & Permitting
 - h. 3108-Air Valve Replacement Construction
 - i. 3401-Emergency Plan Development
 - j. 3480-Internal Seal Replacement
- Additional management support on engineering matters for the General Manager in the amount of \$24,800.00.

8. GENERAL MANAGER'S REPORTS

- A. Professional Environmental Services214

ACTION Staff recommends that the Board of Directors approve the use of the Denton Mudry Environmental and GIS Services in the amount not to exceed \$30,000 per fiscal year for the term of three years.

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B. NPDES Permit Hearings	215
ACTION Informational Item.	
C. Support Services Salt & Nutrient Management Plan.....	218
ACTION	
1. Staff recommends the PC12 Members to approve a budget adjustment not to exceed \$35,000 and authorize the General Manager to engage Ms. Tess Dunham for advisory services.	
2. Staff recommends PC 12 Members to approve a budget adjustment not to exceed \$10,000 and authorize the General Manager to engage Dr. Michael Welch for technical support services.	
D. Onsite Audio Alert Systems for SOCWA Facilities	221
ACTION Staff recommends that the Board of Directors award a contract to Enterprise Security, Inc. in the amount not to exceed \$255,164.62 (JBL \$73,058.79 / RTP \$96,342.24 / CTP \$85,763.59).	
E. WEROC Funding for Fiscal Year 2021/2022	223
ACTION Staff recommends that the Board of Directors authorize SOCWA continuing WEROC Membership as follows:	
• FY 2021/22 - \$19,786 (3.8% of Total WEROC Operational Budget Share) – within the current Fiscal Year Budget	
• Anticipated FY 2022/23 - \$20,493.48 (3.8% of Total WEROC Operational Budget Share) – to be included in the Fiscal Year 2022/23 Budget	
F. CASA Climate Change Program Manager Funding Request [Project Committees 2, 15, and 17].....	225
ACTION	
• Staff recommends to establish a budget adjustment for FY 2021-22 in the amount of \$15,000 for the CASA Climate Change Program.	
• Staff recommends to Project Committee 2 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.	

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- Staff recommends to Project Committee 15 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
 - Staff recommends to Project Committee 17 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- G. Aptean Tabware Software Renewal for \$38,369.10
[Project Committees 2, 15, and 17].....237
- ACTION Staff recommends that the Board of Directors approve a one-year contract with Aptean for a 1-year renewal amendment for \$38,369.10 for a total contract amount not to exceed \$60,804.10.
- H. CEMTEK Environmental, Inc. 1-Year Service Contract \$31,247
[Project Committee 17]239
- ACTION Staff recommends that the Board of Directors authorize the General Manager to acquire the services of CEMTEK Environmental, Inc. for a 1-year contract to service the cogeneration engine's continuous emission monitoring system (CEMS) for an amount not to exceed \$31,247.00.
- I. Southern California Association of POTW's (SCAP) Update241
- ACTION Information Item.
- J. Consideration of Approval of Unapproved Minutes, Disbursements and Financial Reports245
- Minutes of the Regular Meeting of September 2, 2021
 - **Board requested action is to approve the Minutes**
 - Includes recording of the Board vote on 9/2 to ratify the June 2021 disbursements, which included payments to West Yost
 - Minutes of the Finance Committee of September 21, 2021
 - **Board requested Action is to "receive and file"**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the July 2021 disbursements
 - Financial Reports for the Month of July 2021
 - **Board requested action is to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments

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- Finance Committee previously recommended to the Board to approve the disbursements (at 9/21/21 Fin Com Meeting)
- Financial Reports for the Month of August 2021
 - **Board requested to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments
 - Finance Committee previously recommended to the Board to approve the disbursements (at the 10/19/21 Fin Com Meeting)
- Minutes of the Finance Committee of October 19, 2021
 - **Board requested Action is to “receive and file”**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the August 2021 disbursements

ACTION: Board discussion and direction.

K. General Counsel’s Updates.....

L. General Manager’s Report 300

ACTION Information Items, Board Discussion and Direction

M. OTHER MATTERS

Open discussion or items received too late to be agendized.

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

N. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
MARCH 3, 2022

Agenda Item

4

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

SUBJECT: AB 361 – Allowing for Virtual Meetings - Findings and Approval to continue virtual meetings

BACKGROUND

On March 4, 2020, the Governor declared a state of emergency arising from the Covid-19 pandemic. Pursuant to Government Code 54953(e)(1), if a state of emergency exists, and state or local officials have imposed or recommended measures to promote social distancing, or if a majority of the Board determines that meeting in person would present imminent risks to the health and safety of attendees, then the Board can utilize telephonic or virtual meetings without compliance with the telephonic agenda provisions of the Brown Act found in Government Code 54953(b)(3). Consistent with findings made and the action taken at the December Board meeting, the SOCWA Board held its December Board, committee and PC meetings virtually under AB 361. The Board's 30-day findings expired January 8, 2022.

California continues to be in a proclaimed state of emergency. The Omicron variant is highly transmissible and has been identified in Orange County. The current County of Orange Health Officer's Orders and Strong Recommendations revised January 4, 2022 (attached to this staff report) contain "strong recommendations" promoting social distancing for unvaccinated and vulnerable populations, which include individuals over 65 years old and those with underlying health conditions. In light of the ongoing state of emergency and these local recommendations, the SOCWA Board of Directors may conduct today's meeting virtually pursuant to Government Code 54953(e)(1)(A). In order to hold virtual board, special, committee, and PC meetings over the next 30 days, the SOCWA Board of Directors must make the required findings set forth below, and must continue making these findings every 30 days thereafter.

DISCUSSION

AB 361 amends the Brown Act and allows for public organizations to use virtual meetings through January 1, 2024 if any of the following circumstances are met:

- (A) The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
- (B) The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
- (C) The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

In accordance with AB No. 361, when a board wants to continue holding virtual meetings because a state of emergency continues, the board must make findings every 30 days that 1) the Board has reconsidered the circumstances of the state of emergency and 2) the state of emergency

continues to directly impact the ability of the members to meet safely in person or state or local officials continue to impose or recommend measures to promote social distancing.

Local officials recommend that persons who are not vaccinated maintain at least 6 feet of physical distance from persons of different households. The County of Orange Health Officer's Orders and Strong Recommendations, revised January 4, 2022 (attached), contain a "strong recommendation" that vulnerable populations, including older persons and individuals with underlying health conditions, take preventive measures for Covid-19 including social distancing and mask-wearing when around people from different households. The Covid-19 data and information provided below is posted on the Orange County Health Care Agency's website as of 1/13/2022:

- Cumulative Cases: 422,418
- Daily Positive Cases: 8,440
- Cumulative Deaths: 5,916
- Daily (new) Deaths Reported Today: 2
- Cumulative PCR Tests: 6,652,854
- Daily PCR Tests: 269,716
- Cases Currently Hospitalized: 1,072
- Cases Currently in ICU: 168

The most recent Orange County Covid-19 related information is available on the OCHCA website, and can be found at <https://occovid19.ochealthinfo.com/> (the link updates as information changes).

THEREFORE, IN LIGHT OF THE ABOVE, STAFF RECOMMENDS THE BOARD OF DIRECTORS APPROVE THE FOLLOWING FINDINGS AND ACTIONS:

1. The Board hereby FINDS AND DECLARES that it has considered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020, relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the February 3, 2022, Board meeting, the Board hereby FINDS AND DECLARES that as a result of the Covid-19 pandemic, meeting in person presents imminent risks to the health or safety of attendees, and directly impacts the ability of the members to meet safely in person; and that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, February 3, 2022, to March 5, 2022, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with AB 361'S Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the March 3, 2022, board meeting as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at that meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.



CLAYTON CHAU, MD PhD
DIRECTOR/COUNTY HEALTH OFFICER

REGINA CHINSIO-KWONG, DO
DEPUTY COUNTY HEALTH OFFICER

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**COUNTY OF ORANGE HEALTH OFFICER'S
ORDERS AND STRONG RECOMMENDATIONS**

(Revised January 4, 2022)

In light of the recent quarantine and isolation guidelines announced/issued by Centers for Disease Control and Preventions (CDC) and California Department of Public Health (CDPH), the following Orders and Strong Recommendations shall revise and replace the prior Orders and Strong Recommendations of the County Health Officer that were issued on December 31, 2021. The Orders and Strong Recommendations issued on December 31, 2021, are no longer in effect as of January 4, 2022.

Pursuant to California Health and Safety Code sections 101030, 101040, 101470, 120175, and 120130, the County Health Officer for County of Orange orders and strongly recommends the following:

ORDERS

Effective immediately, and continuing until further notice, the following shall be in effect in unincorporated and incorporated territories of Orange County, California:

I. Self-Isolation and Self-Quarantine Orders

A. Self-isolation of Persons with COVID-19

NOTE: This self-isolation order DOES NOT in any way restrict access by first responders to an isolation site during an emergency.

1. Persons with COVID-19 who have symptoms. All Orange County residents and visitors *with COVID-19 who are symptomatic* (i.e., they have COVID-19 symptoms, as defined in this Order) shall immediately isolate themselves in their home or another suitable place. They may discontinue self-isolation if:

- At least 5 days have passed since their COVID-19 symptom onset; AND
- At least 24 hours have passed since resolution of fever without the use of fever-reducing medications; AND
- Other COVID-19 symptoms have improved (except loss of taste and smell which may persist for weeks or months after recovery and need not delay the end of isolation); AND
- A US Food and Drug Administration (FDA) approved/authorized COVID-19 test is negative on or after day 5 from COVID-19 symptom onset. COVID-19 antigen testing is the preferred test to be used for this repeat testing. PCR tests will commonly remain positive for many weeks after illness starts and are not recommended for use to assess appropriateness for ending isolation.

Additionally, they should continue to wear a well-fitting mask around other people through at least day 10 from COVID-19 symptom onset.

10 Day Isolation Required: All persons *with COVID-19 who are symptomatic* and who are unable to test, choose not to test, or test positive by repeat testing shall isolate for 10 days from COVID-19 symptom onset. Such persons may discontinue isolation at 10 days regardless of repeat testing results.

2. Persons with COVID-19 without symptoms. All Orange County residents and visitors *with COVID-19 who are asymptomatic* (i.e., they do not have any COVID-19 symptom(s)) shall isolate themselves immediately in their home or another suitable place. They may discontinue self-isolation if:

- At least 5 days have passed since the first positive COVID-19 test; AND
- An FDA approved/authorized COVID-19 test is negative on or after day 5 from positive COVID-19 test. COVID-19 antigen testing is the preferred test to be used for this repeat testing. PCR tests will commonly remain positive for many weeks after illness starts and are not recommended for use to assess appropriateness for ending isolation.

Additionally, they should continue to wear a well-fitting mask around other people through at least day 10 since the first positive COVID-19 test.

10 Day Isolation Required: All persons *with COVID-19 who are asymptomatic* and who are unable to test, choose not to test, or test positive by repeat testing shall isolate for 10 days after test is performed. Such persons may discontinue isolation at 10 days regardless of repeat testing results.

3. Additional Considerations.

- A person who is self-isolated may not leave his or her place of isolation except to receive necessary medical care.
- If a more specific and individualized isolation order is issued by the County Health Officer for any county resident, the resident shall follow the specific order instead of the order herein.
- People who are severely ill with COVID-19 might need to stay in self-isolation longer than 5 days and up to 20 days after symptoms first appeared. People with weakened immune systems should talk to their healthcare provider for more information.

4. Definition.

- A person is with COVID-19 if that person meets any of the following conditions:
 - That person has received a positive COVID-19 result from test that has been approved/authorized by the FDA.

- That person exhibits symptoms of COVID-19 who are awaiting test results or have not been tested.
- That person has known exposure to an individual with COVID-19 and exhibits symptoms of COVID-19.

People with COVID-19 have had a wide range of symptoms reported – ranging from mild symptoms to severe illness. Symptoms may appear 2-14 days after exposure to the virus. Anyone can have mild to severe symptoms. People with these symptoms may have COVID-19:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

The list above does not include all possible symptoms.

B. Self-Quarantine of Persons Exposed to COVID-19 and Exemptions

NOTE: The self-quarantine orders and exemptions below DO NOT in any way restrict access by first responders to a quarantine site during an emergency.

1. Not-Up-To-Date Individuals. All Orange County residents and visitors who are asymptomatic and *not-up-to-date* with their COVID-19 vaccination (as defined in this Order) and who know that they have been in close contact (within 6 feet of

someone for a cumulative total of 15 minutes or more over a 24-hour period) with a person with COVID-19 shall quarantine as follows:

- For at least 5 days from the date of last contact with a person with COVID-19, if:
 - No symptoms have developed; AND
 - An FDA approved/authorized COVID-19 test (antigen testing is preferred) is negative on or after day 5.

Additionally, they should continue to wear a well-fitting mask around other people through at least day 10 after most recent COVID-19 exposure.

10 Day Quarantine Required. If they are unable to test or chooses not to test, they she shall quarantine for 10 days after most recent exposure.

2. Definitions.

Persons are considered *up-to-date* with their COVID-19 vaccination if they have completed a primary series of COVID-19 vaccine and have either received a booster shot or are not yet recommended to receive a booster dose according to current CDC guidance:

CDC COVID-19 Primary Vaccine Series Guidance

CDC COVID-19 Vaccine Booster Shot Guidance

All persons who have not received all COVID-19 vaccinations indicated according to the CDC recommendations above are considered *not-up-to-date* with their COVID-19 vaccination.

C. Exemptions from Quarantine

1. Asymptomatic up-to-date Persons. Persons who are *up-to-date* with their COVID-19 vaccinations (as defined in this Order) prior to their close contact with a person with COVID-19 and have not developed any symptoms (as defined in this Order) since their exposure are not required to quarantine are not subject to the quarantine requirements in this Order.

2. Asymptomatic Persons Previously Infected. If an exposed person tested positive for COVID-19 before their new, recent close contact with a person with COVID-19 and it has been less than 3 months since they started having symptoms from that previous infection (or since their first positive COVID-19 test if asymptomatic), they do not need to quarantine, as long as they have not had any new symptoms since their recent exposure to COVID-19.
3. Exposed Asymptomatic Emergency Responders and Health Care Workers. During critical staffing shortages, exposed Emergency Responders and Health Care Workers, as defined herein, who do not have any symptoms (as defined in this Order), are not subject to the quarantine requirements in this Order. These individuals should wear a well-fitting mask at all times when around others for at least 10-days after most recent exposure and monitor for symptoms of COVID-19.
 - “Emergency responder” includes military or national guard, law enforcement officers, correctional institution personnel, fire fighters, emergency medical services personnel, physicians, nurses, public health personnel, emergency medical technicians, paramedics, emergency management personnel, 911 operators, child welfare workers and service providers, public works personnel, and persons with skills or training in operating specialized equipment or other skills needed to provide aid in a declared emergency, as well as individuals who work for such facilities employing these individuals and whose work is necessary to maintain the operation of the facility.
 - “Health care provider” includes physicians; psychiatrists; nurses; nurse practitioners; nurse assistants; medical technicians; any other person who is employed to provide diagnostic services, preventive services, treatment services or other services that are integrated with and necessary to the provision of patient care and, if not provided, would adversely impact patient care; and employees who directly assist or are supervised by a direct provider of diagnostic, preventive, treatment, or

other patient care services; and employees who do not provide direct health care services to a patient but are otherwise integrated into and necessary to the provision those services – for example, a laboratory technician who processes medical test results to aid in the diagnosis and treatment of a health condition. A person is not a health care provider merely because his or her employer provides health care services or because he or she provides a service that affects the provision of health care services. For example, IT professionals, building maintenance staff, human resources personnel, cooks, food services workers, records managers, consultants, and billers are not health care providers, even if they work at a hospital or a similar health care facility.

4. Quarantine of Students in both Private and Public Transitional Kindergarten through Grade 12. Students in both private and public transitional kindergarten through grade 12 shall follow the isolation and self-quarantine guidance above with the following Modified Quarantine exemption:

Modified Quarantine. If a *not-up-to-date* (as defined in this Order) student is exposed to a person with COVID-19 and both were wearing face covering then the exposed student may continue to attend school for in-person instruction during the duration of his or her quarantine period if the following conditions are met:

- The exposed student is asymptomatic; AND
- The exposed student continues to appropriately wear well-fitting face covering; AND
- The exposed student undergoes testing at least twice during his or her quarantine period of 5 days; AND
- The exposed student refrains from participation in all extracurricular activities at school, including sports, and activities within the community setting for the duration of his or her quarantine period. The exposed student may participate in all required instructional

components of the school day, except activities where a mask cannot be worn, such as while playing certain musical instruments. The exposed student may also eat meals on campus.

10 Day Quarantine Required. If an *exposed not-up-to-date student* is unable to test, chooses not to test, or tests positive by repeat testing shall isolate for 10 days after test is performed. Such student may discontinue isolation at 10 days regardless of repeat testing results.

D. Additional Consideration.

- Testing After Exposure. All individuals should test for COVID-19 (antigen test preferred) 5 days after their most recent COVID-19 exposure.

If they test positive, they shall immediately self-isolate, as ordered above, and contact their healthcare provider with any questions regarding their care.

If they test negative, they shall continue monitoring their COVID-19 symptoms through Day 14, and if symptoms occur, immediately isolate as ordered above and contact the Orange County Health Care Agency or their healthcare provider and seek COVID-19 testing.

- Continue Wearing Mask. All persons *with COVID-19 who are asymptomatic* should continue to wear a well-fitting mask around other people through at least day 10 from COVID-19 symptom onset.

II. Face-Covering Order:

- Wear a Cloth Face-Covering. To help prevent the spread of droplets containing COVID-19, all County residents and visitors shall wear face coverings in accordance with and as required by the Guidance for the Use of Face Coverings issued by CDPH, effective December 15, 2021. The Guidance is attached herein as Attachment "A" and can be found at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/guidance-for-face-coverings.aspx>.

The Guidance orders, as follows:

Masking Requirements.

Masks are required for all individuals in all indoor public settings, regardless of vaccination status from December 15, 2021, through January 15, 2022. Full guidance can be found at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Get-the-Most-out-of-Masking.aspx>.

In workplaces, employers are subject to the Cal/OSHA COVID-19 Emergency Temporary Standards (ETS) or in some workplaces the Cal/OSHA Aerosol Transmissible Diseases (ATD) Standard and should consult those regulations for additional applicable requirements.

See State Health Officer Order, issued on July 26, 2021 (<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Unvaccinated-Workers-In-High-Risk-Settings.aspx>), for a full list of high-risk congregate and other healthcare settings where surgical masks are required for unvaccinated workers, and recommendations for respirator use for unvaccinated workers in healthcare and long-term care facilities in situations or settings not covered by Cal OSHA ETS or ATD.

No person can be prevented from wearing a mask as a condition of participation in an activity or entry into a business.

Exemptions to masks requirements.

The following individuals are exempt from wearing masks at all times:

- Persons younger than two years old. Very young children must not wear a mask because of the risk of suffocation.
- Persons with a medical condition, mental health condition, or disability that prevents wearing a mask. This includes persons with a medical condition for whom wearing a mask could obstruct breathing or who are unconscious, incapacitated, or otherwise unable to remove a mask without assistance.

- Persons who are hearing impaired, or communicating with a person who is hearing impaired, where the ability to see the mouth is essential for communication.
- Persons for whom wearing a mask would create a risk to the person related to their work, as determined by local, state, or federal regulators or workplace safety guidelines.

The County Health Officer strongly recommends that all mask wearers consistently and correctly wear a mask that offers good filtration to get the best protection. To improve efficacy, the mask should fit to minimize gaps between the face and mask. The mask should also fully cover the nose and mouth. If wearing a fabric face covering, three layers should be worn to offer better filtration.

The County Health Officer also strongly recommends wearing a face shield for members of the public who cannot wear a face covering due to a medical condition or other exemption (except for children younger than 2 years old), although they may not work as well as face coverings in their ability to prevent the spread of COVID-19 to others. A cloth “drape” should be attached to the bottom edge of the face shield and tucked into the shirt to minimize gaps between the face and face shield.

III. Vaccination and Testing for COVID-19 Orders:

1. COVID-19 Vaccination for Workers and Service Providers of Certain Facilities.

To help prevent transmission of COVID-19, all workers who provide services or work in facilities described below shall comply with the COVID-19 vaccination and booster dose requirements as set forth in the December 22, 2021, State Health Officer Order. A copy of the State Health Officer Order is attached herein as Attachment "B" and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Health-Care-Worker-Vaccine-Requirement.aspx>

Facilities covered by this order include:

- General Acute Care Hospitals
- Skilled Nursing Facilities (including Subacute Facilities)
- Intermediate Care Facilities
- Acute Psychiatric Hospitals
- Adult Day Health Care Centers
- Program of All-Inclusive Care for the Elderly (PACE) and PACE Centers
- Ambulatory Surgery Centers
- Chemical Dependency Recovery Hospitals
- Clinics & Doctor Offices (including behavioral health, surgical)
- Congregate Living Health Facilities
- Dialysis Centers
- Hospice Facilities
- Pediatric Day Health and Respite Care Facilities
- Residential Substance Use Treatment and Mental Health Treatment Facilities

The word, "worker," as used in this Order shall have the same meaning as defined in the State Health Officer's Order, dated December 22, 2021. *See* <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Health-Care-Worker-Vaccine-Requirement.aspx>

2. **Requirements for COVID-19 Vaccination Status Verification, COVID-19 Testing, and Masking for Certain Facilities.**

To help prevent transmission of COVID-19, all facilities described below shall comply with the State Health Officer Order, effective August 9, 2021. A copy of the State Health Officer Order is attached herein as Attachment "C" and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Unvaccinated-Workers-In-High-Risk-Settings.aspx>

Facilities covered by this order include:

Acute Health Care and Long-Term Care Settings:

- General Acute Care Hospitals
- Skilled Nursing Facilities (including Subacute Facilities)
- Intermediate Care Facilities

High-Risk Congregate Settings:

- Adult and Senior Care Facilities
- Homeless Shelters
- State and Local Correctional Facilities and Detention Centers

Other Health Care Settings:

- Acute Psychiatric Hospitals
- Adult Day Health Care Centers
- Adult Day Programs Licensed by the California Department of Social Services
- Program of All-Inclusive Care for the Elderly (PACE) and PACE Centers
- Ambulatory Surgery Centers
- Chemical Dependency Recovery Hospitals
- Clinics & Doctor Offices (including behavioral health, surgical)
- Congregate Living Health Facilities
- Dental Offices
- Dialysis Centers
- Hospice Facilities
- Pediatric Day Health and Respite Care Facilities

- Residential Substance Use Treatment and Mental Health Treatment Facilities

3. **Requirements for COVID-19 Vaccine Status Verification and COVID-19 Testing for School Workers in Transitional Kindergarten through Grade 12.** To prevent the further spread of COVID-19 in K-12 school settings, all public and private schools serving students in transitional kindergarten through grade 12 shall comply with the State Health Officer Order, effective August 12, 2021, regarding verification of COVID-19 vaccination status and COVID-19 testing of all workers. A copy of the State Health Officer Order is attached herein as Attachment "D" and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Vaccine-Verification-for-Workers-in-Schools.aspx>

This Order does not apply to (i) home schools, (ii) child care settings, or (iii) higher education.

4. **Local Correctional Facilities and Detention Centers Health Care Worker Vaccination Requirement.**

To prevent the further spread of COVID-19 in local correctional facilities and detention centers, all individuals identified in the State Health Officer Order, effective December 22, 2021, shall comply with the State Health Officer's Order with regards to obtaining COVID-19 vaccination and booster doses. A copy of the State Health Officer Order is attached herein as Attachment "E" and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Health-Care-Worker-Vaccine-Requirement.aspx>

5. **Adult Care Facilities and Direct Care Worker Vaccination Requirements.**

To help prevent transmission of COVID-19, all individuals specified below shall comply with the COVID-19 vaccination and booster does requirements as set forth in

the December 22, 2021, State Health Officer Order. A copy of the State Health Officer Order is attached herein as Attachment “F” and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Adult-Care-Facilities-and-Direct-Care-Worker-Vaccine-Requirement.aspx>

Individuals covered by this order include:

- All workers who provide services or work in Adult and Senior Care Facilities licensed by the California Department of Social Services;
- All in-home direct care services workers, including registered home care aides and certified home health aides, except for those workers who only provide services to a recipient with whom they live or who are a family member of the recipient for whom they provide services;
- All waiver personal care services (WPCS) providers, as defined by the California Department of Health Care Services, and in-home supportive services (IHSS) providers, as defined by the California Department of Social Services, except for those workers who only provide services to a recipient with whom they live or who are a family member of the recipient for whom they provide services;
- All hospice workers who are providing services in the home or in a licensed facility; and
- All regional center employees, as well as service provider workers, who provide services to a consumer through the network of Regional Centers serving individuals with developmental and intellectual disabilities, except for those workers who only provide services to a recipient with whom they live or who are a family member of the recipient for whom they provide services.

IV. Visiting Acute Health Care and Long-Term Care Setting Order:

Requirements for Visiting Acute Health Care and Long-Term Care Settings.

To help prevent transmission of COVID-19, all acute health care and long-term care settings shall comply with the indoor visitation requirements set forth in the State Health Officer, effective August 11, 2021. A copy of the State Health Officer Order is attached herein as Attachment "G" and can be found at the following link:

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Order-of-the-State-Public-Health-Officer-Requirements-for-Visitors-in-Acute-Health-Care-and-Long-Term-Care-Settings.aspx>

V. Seasonal Flu Vaccination Order:

Seasonal Flu Vaccination for Certain County Residents.

All individuals who reside or work in Orange County and fall under one of the following categories, shall obtain the seasonal flu vaccination unless a medical or religious exemption applies: (i) current providers for congregate settings; (ii) current health care providers; and (iii) current emergency responders. However, nothing herein shall be construed as an obligation, on the part of employers, public or private, to require employees obtain the seasonal flu vaccination as a term or condition of employment.

- *Emergency responder* shall mean military or national guard; law enforcement officers; correctional institution personnel; fire fighters; emergency medical services personnel; physicians; nurses; public health personnel; emergency medical technicians; paramedics; emergency management personnel; 911 operators; child welfare workers and service providers; public works personnel; and persons with skills or training in operating specialized equipment or other skills needed to provide aid in a declared emergency; as well as individuals who work for such facilities employing these individuals and whose work is necessary to maintain the operation of the facility.
- *Health care provider* shall mean physicians; psychiatrists; nurses; nurse practitioners; nurse assistants; medical technicians; any other person who is employed to provide diagnostic services, preventive services, treatment services or other services that are integrated with and necessary to the provision of patient care and, if not provided, would adversely impact patient care; and employees who

directly assist or are supervised by a direct provider of diagnostic, preventive, treatment, or other patient care services; and employees who do not provide direct health care services to a patient but are otherwise integrated into and necessary to the provision those services – for example, a laboratory technician who processes medical test results to aid in the diagnosis and treatment of a health condition. A person is not a health care provider merely because his or her employer provides health care services or because he or she provides a service that affects the provision of health care services. For example, IT professionals, building maintenance staff, human resources personnel, cooks, food services workers, records managers, consultants, and billers are not health care providers, even if they work at a hospital of a similar health care facility.

STRONG RECOMMENDATIONS

Effective immediately, and continuing until further notice, the following shall be in effect in unincorporated and incorporated territories in Orange County, California:

1. **For Vulnerable Populations.** In general, the older a person is, the more health conditions a person has, and the more severe the conditions, the more important it is to take preventive measures for COVID-19 such as getting vaccinated, including boosters, social distancing and wearing a mask when around people who don't live in the same household, and practicing hand hygiene. For more information see <https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html>.
2. **COVID-19 Vaccination for County Residents.** All Orange County residents should receive COVID-19 vaccination in accordance with the Federal Food and Drug Administration (FDA) and CDC guidance unless a medical contraindication applies. Minors, who are eligible to receive COVID-19 vaccination in accordance with the

applicable CDC guidelines, should be vaccinated in the presence of their parent or legal guardian.

3. **Seasonal Flu Vaccination for County Residents.** All County residents who are six months of age or older should obtain the seasonal flu vaccination unless a medical or religious exemption applies.
4. **COVID-19 Vaccination and Testing for Emergency Medical Technicians, Paramedics and Home Healthcare Providers.** To help prevent transmission of COVID-19, it is strongly recommended that all Emergency Medical Technicians, Paramedics, and Home Healthcare Providers (including In Home Supportive Services Program workers) are fully vaccinated by September 30, 2021.

Furthermore, it is strongly recommended that all unvaccinated Emergency Medical Technicians, Paramedics, and Home Healthcare Providers (including In Home Supportive Services Program workers) undergo at least twice weekly testing for COVID-19 until such time they are fully vaccinated.

GENERAL PROVISIONS

1. The Orders and Strong Recommendations, above, shall not supersede any conflicting or more restrictive orders issued by the State of California or federal government. If any portion of this document or the application thereof to any person or circumstance is held to be invalid, the remainder of the document, including the application of such part or provision to other persons or circumstances, shall not be affected and shall continue in full force and effect. To this end, the provisions of the orders and strong recommendations are severable.
2. The Orders contained in this document may be enforced by the Orange County Sheriff or Chiefs of Police pursuant to California Health and Safety Code section 101029, and California Government Code sections 26602 and 41601. A violation of a health order is subject to fine, imprisonment, or both (California Health and Safety Code section 120295).

REASONS FOR THE ORDERS AND STRONG RECOMMENDATIONS

1. On February 26, 2020, the County of Orange Health Officer declared a Local Health Emergency based on an imminent and proximate threat to public health from the introduction of COVID-19 in Orange County.
2. On February 26, 2020, the Chairwoman of the Board of Supervisors, acting as the Chair of Emergency Management Council, proclaimed a Local Emergency in that the imminent and proximate threat to public health from the introduction of COVID-19 created conditions of extreme peril to the safety of persons and property within the territorial limits of Orange County.
3. On March 2, 2020, the Orange County Board of Supervisors adopted Resolutions No. 20-011 and No. 20-012 ratifying the Local Health Emergency and Local Emergency, referenced above.
4. On March 4, 2020, the Governor of the State of California declared a State of Emergency to exist in California as a result of the threat of COVID-19.
5. As of January 4, 2022, the County has reported a total of 357,520 recorded confirmed COVID-19 cases and 5,897 of COVID-19 related deaths.
6. Safe and effective authorized COVID-19 vaccines are recommended by the CDC. According to CDC, anyone infected with COVID-19 can spread it, even if they do NOT have symptoms. The novel coronavirus is spread in 3 ways: 1) Breathing in air when close to an infected person who is exhaling small droplets and particles that contain the virus. 2) Having these small droplets and particles that contain virus land on the eyes, nose, or mouth, especially through splashes and sprays like a cough or sneeze. 3) Touching eyes, nose, or mouth with hands that have the virus on them. See <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html>.
7. CDC requires face coverings on planes, buses, trains, and other forms of public transportation traveling into, within, or out of the United States and in U.S. transportation hubs such as airports and stations. See <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/about-face-coverings.html>.

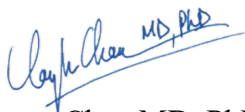
8. The CDPH issued a revised Guidance for the Use of Face Coverings, effective December 15, 2021, available at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/guidance-for-face-coverings.aspx>
9. According to the CDC and CDPH, older adults, individuals with medical conditions, and pregnant and recently pregnant persons are at higher risk of severe illness when they contract COVID-19. See <https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/index.html>; see also <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/PublicHealthGuidanceSelfIsolationforOlderAdultsandThoseWhoHaveElevatedRisk.aspx>.
10. The Orders and the Strong Recommendations contained in this document are based on the following facts, in addition to the facts stated under the foregoing paragraphs: (i) Safe and effective FDA authorized COVID-19 vaccines have become widely available, but many Orange County residents have not yet had the opportunity to be vaccinated, or have not completed their vaccination series to be fully vaccinated; (ii) there are currently limited therapeutic options proven effective that consistently prevents the severe illness associated with COVID-19; (iii) the current consensus among public health officials for slowing down the transmission of and avoiding contracting COVID-19 is for unvaccinated persons to avoid gathering and practice social distancing, frequently wash hands with soap, wearing face covering and get vaccinated; (iv) some individuals who contract COVID-19 have no symptoms or have only mild symptoms and so are unaware that they carry the virus and are transmitting it to others; (v) current evidence shows that the novel coronavirus can survive on surfaces and can be indirectly transmitted between individuals; (vi) older adults and individuals with medical conditions are at higher risk of severe illness; (vii) sustained COVID-19 community transmission continues to occur; (viii) the age, condition, and health of a significant portion of Orange County's residents place them at risk for serious health complications, including hospitalization and death, from COVID-19; (ix) younger and otherwise healthy people are also at risk for serious negative health outcomes and for transmitting the novel coronavirus to others.
11. The orders and strong recommendations contained in this document are necessary and less restrictive preventive measures to control and reduce the spread of COVID-19 in Orange

County, help preserve critical and limited healthcare capacity in Orange County and save the lives of Orange County residents.

12. The California Health and Safety Code section 120175 requires the County of Orange Health Officer knowing or having reason to believe that any case of a communicable disease exists or has recently existed within the County to take measures as may be necessary to prevent the spread of the disease or occurrence of additional cases.
13. The California Health and Safety Code sections 101030 and 101470 require the county health officer to enforce and observe in the unincorporated territory of the county and within the city boundaries located with a county all of the following: (a) Orders and ordinances of the board of supervisors, pertaining to the public health and sanitary matters; (b) Orders, including quarantine and other regulations, prescribed by the department; and (c) Statutes relating to public health.
14. The California Health and Safety Code section 101040 authorizes the County of Orange Health Officer to take any preventive measure that may be necessary to protect and preserve the public health from any public health hazard during any "state of war emergency," "state of emergency," or "local emergency," as defined by Section 8558 of the Government Code, within his or her jurisdiction. "Preventive measure" means abatement, correction, removal, or any other protective step that may be taken against any public health hazard that is caused by a disaster and affects the public health.
15. The California Health and Safety Code section 120130 (d) authorizes the County of Orange Health Officer to require strict or modified isolation, or quarantine, for any case of contagious, infectious, or communicable disease, when such action is necessary for the protection of the public health.

IT IS SO ORDERED:

Date: January 4, 2022

A handwritten signature in blue ink, reading "Clayton Chau MD, PhD". The signature is written in a cursive style with a horizontal line underneath.

Clayton Chau MD, PhD
County Health Officer
County of Orange

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

DRAFT

November 4, 2021

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on November 4, 2021, at 8:30 a.m. from their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present via Zoom Meeting:

MIKE DUNBAR	Emerald Bay Service District	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director [exited @ 10:33 a.m.]
DAVE REBENDSOLF	City of San Clemente	Director

Absent:

HOWARD HART	City of San Juan Capistrano	Alternate Director
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Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accounting
ANNA SUTHERLAND	Accounts Payable
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	
SHERRY WANNINGER	Moulton Niguel Water District	
RICK SHINTAKU	South Coast Water District	Alternate Director [exited @ 10:33 a.m.]
TREVOR AGRELIUS	Moulton Niguel Water District	
KAY HAVENS	El Toro Water District	
JASON HAYDEN	El Toro Water District	
DON FROELICH	Moulton Niguel Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	
MARC SERNA	South Coast Water District	

1. CALL TO ORDER

Chairman Collings called the meeting to order at 8:32 a.m.

2. PLEDGE OF ALLEGIANCE – Director Dan Ferons

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Director Collings pulled agenda item 4.L. to be addressed immediately.

- 4L. Passage of AB 361 – Allowing for Virtual Meetings – Findings and Approval to continue virtual meetings

Ms. Adriana Ochoa, General Counsel gave an update on the AB 361 bill allowing for virtual meetings in the event of a declared state of emergency arising from the COVID-19 pandemic. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Dunbar to approve the findings and actions:

1. The Board hereby FINDS AND DECLARES that it has reconsidered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the November 4, 2021 Board meeting, the Board hereby FINDS AND DECLARES that the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, November 4, 2021 to December 2, 2021, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with AB 361 Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the December 9, 2021 board meeting as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at that meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees. Note that if the Board does not make this finding by majority vote at the December 9th meeting, it will have to conclude the meeting and re-notice the meeting as an in-person meeting no less than 72 hours later.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

4.C. for clarification; Director Dopudja pulled agenda items 4.D., 4.E., and 4.G.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Goldman to approve the remainder of the Consent Calendar Agenda items.

(4A, 4B, 4E, and 4H through 4K)

- 4A1 Closed Session Minutes of Board of Directors September 2, 2021
- 4A2 Closed Session Minutes of the Board of Directors September 24, 2021
- 4B1 Executive Committee Closed Session October 5, 2021
- 4B2 Executive Committee Closed Session October 18, 2021
- 4E. Minutes of Engineering Committee August 12, 2021
- 4H. Financial Reports for the Month of September 2021
- 4I. September 2021 Operations Reports
- 4J. Capital Improvement Program Status Report
- 4K. Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, and 15]

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

4C. Minutes of PC 23 Committee Meeting

Director Collings pulled agenda item 4C for clarifications on SOCWA's role in the PC 23 Agreement between City of Laguna Beach and South Coast Water District for Design Construction, Use, and Operation of Intertie Project. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Iseman to approve the Minutes of the PC 23 Committee Meeting on October 7, 2021, as submitted.

Motion carried:	Aye 2, Nay 0, Abstained 0, Absent 0
Director Dunbar	Aye
Director Iseman	Aye

Director Dopudja pulled agenda items 4D, 4F, and 4G for clarifications. An open discussion ensued.

- 4D. Minutes of Finance Committee on September 21, 2021
- 4F. Financial Reports for Month of July 2021
- 4G. Financial Reports for Month of August 2021

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Goldman to table agenda items 4D, 4F, and 4G.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Feron	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

5. ENGINEERING MATTERS

- A. Consequence of Failure Analysis Overview and J.B. Latham Report [Project Committees 2, 15, and 17]

Mr. Jason Manning, Director of Engineering gave a presentation on the Consequence of Failure Analysis report for the J.B. Latham Treatment Plant. An open discussion ensued.

This was an information item; no action was taken.

6. GENERAL MANAGER'S REPORTS

- A. Resolution No. 2021-07: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Regarding Basin Plan Amendment, to accomplish an extension related to the Triennial Review.

ACTION TAKEN

Motion was made by Director Feron and seconded by Director Collings to approve Adoption of Resolution 2021-07: A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY REGARDING BASIN PLAN AMENDMENT, to accomplish an extension related to the Triennial Review; and the additional work on the Triennial Review to be funded by Santa Margarita Water District and Moulton Niguel Water District in the amount of not to exceed \$250,000 per fiscal year (extension to original contract August 14, 2019, of \$750,000) with a term not to exceed three additional years.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Feron	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

B. Update Regional Science Forum Proposal

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Collings to lend support to formation of the Regional Science Forum in cooperation with Santa Margarita Water District and San Juan Basin Authority and directs staff to return to SOCWA Board with estimated supporting information and costs.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

C. Contract Award to Nexus Tek for Information Technology/Hosting Services

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Dunbar to approve awarding of a three-year contract to NexusTek for Information Technology/Hosting Monthly Services in an amount not to exceed \$204,000.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Absent
Director Rebensdorf	Aye

At the discretion of the Board of Directors, agenda items 6D, 6E, 6F, and 6H were addressed collectively.

D. Contract Extension Award to Northstar Chemical for Sodium Hydroxide [PC 2, 15, 17]

Award of a 1-year contract extension to Mile Chemical, Inc. for sodium hydroxide at the proposed rates, plus applicable fees and taxes, including applicable charges for split load deliveries.

E. Unison Solutions, Inc. 3-Year Service Agreement/Renewal for \$44,770 [PC 2]

Authorize the General Manager to execute the new three (3) year JBL Gas Skid Service Agreement with Unison Solutions, Inc. in the amount of \$44,770.00.

- F. Unison Solutions, Inc. 2-Year Budget Authorization for Carbon Media Purchases \$150, 000 [PC 2]

Authorize the General Manager purchasing authority for JBL PC-2 to procure wood-based carbon media as budgeted over the next two (2) years in the amount not to exceed \$150,000.00.

- H. Contract Award to Sunset Property Services for Street Sweeping Services [PC 15, 17]

Authorize the General Manager to execute the Agreement for Customers Enrolling Multiple Services Accounts in the Emergency Load Reduction Program with Southern California Edison.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to approve agenda items 6D, 6E, 6F, 6H.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
	Director Dunbar Aye
	Director Cafferty Aye
	Director Iseman Aye
	Director Collings Aye
	Director Goldman Aye
	Director Hart Absent

- G. Enrollment in Southern California Edison's Emergency Load Reduction Program [Project Committee Nos. 15 and 17]

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Dunbar to authorize the General Manager purchasing authority for JBL PC-2 to procure wood-based carbon media as budgeted for the next two (2) years in the amount not to exceed \$150,000.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Cafferty Aye
	Director Collings Aye
	Director Iseman Aye
	Director Goldman Aye

- I. Conferences and Training Year to Date

Ms. Betty Burnett, General Manager reported on the approved budget conference and training expenditures year to date. She noted the departmental breakdown information. An open discussion ensued.

This was an information item; no action was taken.

- J. General Counsel's Updates

Ms. Adriana Ochoa, Procopio Law reported she attended the attorney's CASA meeting in October and discussed current legislative updates that will go into effect January 2022. She stated a memo will be sent to the General Manager on January 2022 effective items.

Ms. Ochoa also reported she was still waiting to hear from the IRWD General Counsel on the proposed withdrawal agreement to the JPA amendment. She stated she will be scheduling an All-Hands meeting to discuss and substantive comments relating to the withdrawal portion of the JPA amendment request. An open discussion ensued.

This was an information item; no action was taken.

K. General Manager's Report

Ms. Burnett, General Manager reported on renewal of agreements for AlertOC and 800MHZ Radio System for the purposes of emergency preparedness. She was seeking the Boards' direction on whether to bring the full agreements before the Board for review and approval. An open discussion ensued.

There was consensus of the Board to include the AlertOC and 800MHZ Radio System agreements on the Consent Calendar of the next Board meeting for review.

Mr. Jim Burror gave a presentation on the trending cycle of the Aliso Creek Ocean Outfall Watershed Wastewater Discharge since inception, and Ms. Amber Baylor gave a presentation on the trending cycle of Recycled Water supply and demand from 1996 to 2020.

The Board convened to Closed Session at 10:38 a.m.

The Board reconvened to Open Session at 10:55 a.m.

7. CLOSED SESSION

- A. A Closed Session Conference was held in pursuant Government Code Section § 54956.9(d)(2) with Legal Counsel regarding significant exposure to litigation.
- B. A Closed Session conference was held in pursuant to Government Code Section § 54956.9 with General Counsel regarding litigation in one matter: SOCWA vs. Pac Hydro, et al., Pursuant to Government Code Section § 54956.9.

There were no reportable actions out of Closed Session.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 10:56 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 4, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

DRAFT

November 4, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on November 4, 2021, at 8:30 a.m. from their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present via Zoom Meeting.

MIKE DUNBAR	Emerald Bay Service District	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director [exited @ 10:33 a.m.]
DAVE REBENDSOLF	City of San Clemente	Director

Absent:

HOWARD HART	City of San Juan Capistrano	Alternate Director
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Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accounting
ANNA SUTHERLAND	Accounts Payable
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	
SHERRY WANNINGER	Moulton Niguel Water District	
RICK SHINTAKU	South Coast Water District	Alternate Director [arrived @ 10:33 a.m.]
TREVOR AGRELIUS	Moulton Niguel Water District	
KAY HAVENS	El Toro Water District	
JASON HAYDEN	El Toro Water District	
DON FROELICH	Moulton Niguel Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	
MARC SERNA	South Coast Water District	

1. CALL TO ORDER

Chairman Collings called the meeting to order at 9:50a.m.

2. ORAL COMMUNICATIONS

None

3. Contract Extension Award to Olin Corporation for Sodium Hypochlorite [Project Committees Nos. 2, 15, and 17]

Chairman Collings opened the discussion to address agenda item 3 “Contract Extension Award to Olin Corporation for Sodium Hypochlorite for consideration of approval. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to approve awarding of a 1-year contract extension to Olin Corporation for sodium hypochlorite at the rates in the staff report, plus applicable fees, and taxes, including applicable charges for split load deliveries as specified.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Cafferty	Aye
Director Iseman	Aye
Director Collings	Aye
Director Goldman	Aye
Director Hart	Absent

ADJOURNMENT

There being no further business, Director Collings adjourned the Special Emergency meeting at 10:56 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Board of Directors on November 4, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

DRAFT

December 9, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on December 9, 2021, at 8:30 a.m. from their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present via Zoom Meeting:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director [arrived @ 8:39 a.m.]
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director [exited @ 10:02 a.m.]
SCOTT GOLDMAN	South Coast Water District	Director
HOWARD HART	City of San Juan Capistrano	Alternate Director

Absent:

DAVE REBENS DORF	City of San Clemente	Director
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Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
SEAN PEACHER	Environmental Compliance & Safety Manager
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accounting
ANNA SUTHERLAND	Accounts Payable
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

GREG MOSER	Procopio Law	
KENNETH PUN	The Pun Group	
VICKI OSBORN	Water Emergency Response Organization of Orange County (WEROC)	
DAVID SHISSLER	City of Laguna Beach	
SHERRY WANNINGER	Moulton Niguel Water District	
DON BUNTS	Santa Margarita Water District	Alternate Director [arrived @ 10:02 a.m.]
RICK SHINTAKU	South Coast Water District	
TREVOR AGRELIUS	Moulton Niguel Water District	
DENNIS CAFFERTY	El Toro Water District	
KAY HAVENS	El Toro Water District	
JASON HAYDEN	El Toro Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	

1. CALL TO ORDER

Vice Chairman Dopudja called the meeting to order at 8:33 a.m.

2. PLEDGE OF ALLEGIANCE – Director Mike Dunbar

3. ORAL COMMUNICATIONS

Director Dunbar recognized the passing of Richard Gardner who served as a Board Member at South Coast Water District for 14 years with his term ending in 2012.

4. CONSENT CALENDAR

Ms. Burnett noted a correction to the attendance on agenda item 4.a.2. November 9, 2021, Closed Session Minutes.

Director Collings pulled agenda item 4H, and 4I. for discussion.

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Feron to approve the remainder of the Consent Calendar Agenda items as follows:

(4A thru 4G, and 4J thru 4M)

- 4A1 Minutes of Board of Directors October 7, 2021
- 4A2 Closed Session Minutes of the Board of Directors November 9, 2021
- 4B Closed Session Minutes of Executive Committee November 9, 2021
- 4C Minutes of PC 17 Committee October 1, 2021
- 4D Minutes of Engineering Committee September 9, 2021
- 4E Financial Reports for the Month of October 2021
- 4F Q1 FY 2021-22 Cash Roll Forward as of September 30, 2021
- 4G Fiscal Year 2020-21 Supplemental Financial Statements
- 4J October 2021 Operations Reports
- 4K Capital Improvement Program Status Report
- 4L Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, and 15]
- 4M1 MOU for Use of County Wide Mass Notification System
- 4M2 800 MHZ Radios Joint Agreement
- 4M3 Orange County Operational Area Agreement

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Feron	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

4H. Final Annual Comprehensive Financial Report ACFR for Fiscal Years
Ended June 30, 2021, and 2020

Mr. Ken Pun of the Pun Group gave a verbal report on the preparation of the Annual Comprehensive Financial Report (ACFR), and Financial Statements. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Hart and seconded by Director Freshley to receive and file the Annual Comprehensive Financial Report (ACFR) including the Independent Auditors Report for Fiscal Years ended June 30, 2021, and 2020.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

4I. Final Use Audit Fiscal Year 2020-21 Budget vs. Actual including UAL and
OPEB Annual Expense Distribution by Member Agencies and Cash Roll
Forward as of June 30, 2021

Director Collings stated he did not have any particular questions but wanted to thank all of SOCWA staff for their efforts and collaboration with the development to produce the Use Audit. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Ferons to approve Fiscal Year 2020-21 Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the Use Audit as presented; and to receive and file the Cash Roll Forward as of June 30, 2021.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

Director Collings noted for the record that the Board approved agenda items 4M1, 4M2, and 4M3 Emergency Preparedness partnership agreements which are included as part of the Consent Calendar. He also gave recognition to Ms. Vicki Osborn, Director of Emergency Management for WEROC/MWDOC for her efforts as a liaison to all of the member agencies and making sure we're prepared in an emergency.

5. ENGINEERING MATTERS

- A. Contract Amendment for the J.B. Latham Treatment Plant Package B Engineering Services during Construction [Project Committee 2]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Goldman to approve the contract amendment to Carollo in the amount of \$388,420 for a total revised contract amount of \$1,462,565 for the Engineering Services during Construction for the J.B. Latham Package B Project.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent
	Director Collings Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye

Director Ferons noted for the record the San Juan Capistrano allocations are assigned as the responsibility of Santa Margarita Water District.

6. GENERAL MANAGER'S REPORTS

- A. Contract Extension Award to Athens Services for Grit Hauling and Disposal Services [Project Committees 2, 15, and 17]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Freshley to approve 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.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Collings Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye

- B. Contract Extension Award to Integrated Municipal Systems, LLC. for Scrubber Maintenance Services [Project Committees 2, 15, and 17]

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Goldman to approve the award of a 1-year contract extension to Integrated Municipal Systems for scrubber maintenance services at the following rates, plus applicable taxes.

Motion carried: Aye 7, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Collings Aye
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director Hart Aye

C. Enrollment RTP Contract Pad Project [Project Committee 17]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Collings to 1) authorize the General Manager to award a Construction Contract for the Concrete Pad Project at RTP to the lowest responsive bidder with a not to exceed value of \$60,000; 2) Upon Construction Contract award, the SOCWA General Manager will notify the SOCWA Board Chair and PC17 Board Members and present the results at the next scheduled Engineering Committee and Board of Directors meetings; and 3) Approve a construction contingency of \$3,000 (5% the Construction Contract) for unforeseen conditions discovered during the implementation of the Construction Contract.

Motion carried: Aye 5, Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Collings Aye
Director Iseman Aye
Director Goldman Aye

At the request of Director Collings, agenda items 6D, and 6E were addressed together. The Board members concurred.

D. Contract Extension Award to Synagro for Biosolids Management at Nursery Products [Project Committees 2 and 17]

ACTION TAKEN

Motion was made by Director Ferons and Seconded by Director Dunbar to authorize the General Manager to continue the use of the Nursery Product contract for Biosolids management for years 6 to 10 of the contract.

E. Contract Extension Award to Synagro for Biosolids Management at the South Industrial Complex in Kern County [Project Committee 2 & 17]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to authorize the General Manager to continue the use of the Synagro South Industrial Complex in Kern County for Biosolids management for years 6 to 10 of the contract, plus monthly adjustments (+/-) for actual diesel fuel prices and automatic annual CPI adjustment in the following 4 years.

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Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
(6D & 6E)	
Director Dunbar	Aye
Director Freshley	Aye
Director Collings	Aye
Director Iseman	Aye
Director Feron	Aye
Director Goldman	Aye
Director Hart	Aye

F. Cogeneration Emission Testing Review [Project Committee 2 and 17]

Ms. Amber Baylor, Director of Environmental Compliance, noted a correction to the recommended action for item 2 to refer to AirKinetics Testing services instead of Atmospheric Testing services. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Feron and seconded by Director Collings to the use of:

1. Atmospheric Analysis and Consulting services in the amount not to exceed \$60,000 per fiscal year for the term of two years, and
2. AirKinetics Testing services in the amount not to exceed \$22,000 per fiscal year for the term of two years.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
Director Dunbar	Aye
Director Freshley	Aye
Director Collings	Aye
Director Iseman	Aye
Director Feron	Aye
Director Goldman	Aye
Director Hart	Aye

At the request of Director Feron, agenda items 6G, and 6H, 6I, 6J2, and 6J3 were addressed together. Staff requested agenda item 6J1 (related to Denton Mudry Environmental and GIS Services) be tabled and brought to the February 3, 2022 Board Meeting. The Board members concurred.

G. 2021/2022 Region IX Kelp Survey Consortium

ACTION TAKEN

Motion was made by Director Feron and seconded by Director Freshley to authorize the General Manager to enter into the Region IX Kelp Survey Consortium 2021-2022 contract with MBC Aquatic Sciences.

H. Water Quality Monitoring and Testing Services

ACTION TAKEN

Motion was made by Director Feron and seconded by Director Freshley to approve the use of 1) Sierra Analytical in the amount not to exceed \$45,000 per fiscal year for the term of three years, 2) Enthalpy Analytical in the amount not to exceed \$55,000 per fiscal year for the term of three years, and 3) SeaVentures in the amount not to exceed \$50,000 per fiscal year for the term of three years.

I. Environmental Services, Supplies, and Equipment

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Freshley to approve the use of 1) the Idexx Corporation in the amount not to exceed \$30,000 per fiscal year for the term of three years, 2) Microtech Scientific in the amount not to exceed \$150,000 per fiscal year for the term of three years, 3) MCR Technologies the amount not to exceed \$30,000 per fiscal year for the term of three years, 4) Teledyne Industries the amount not to exceed \$35,000 per fiscal year for the term of three years, and 5) ADS Environmental Services the amount not to exceed \$50,000 per fiscal year for the term of three years.

J. Professional Environmental Services

ACTION TAKEN

For Items 6J2 and 6J3 one motion was made for approval by Director Ferons and seconded by Director Freshley as follows: For Item 6J2 to approve the use of the Dudek Environmental firm in the amount not to exceed \$30,000 per fiscal year for the term of three years, and for Item 6J3 to approve the use of Dr. Michael Welch's services in the amount not to exceed \$15,000 per fiscal year for the term of three years.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
(6G, 6H, & 6I	Director Dunbar Aye
6J2 & 6J3)	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye
	Director Rebensdorf Absent

K. Contract Management Software

Ms. Amber Baylor, Director of Environmental Compliance gave an update to the Board on the need to procure contract management software. She stated the Authority had been evaluating software services that would assist with optimizing processes and workflows. She also noted staff evaluated several contract management software options as well as interviewed member agencies to determine what they were using as well as what is available on the market to better manage some of the paper flows between desks. Ms. Baylor stated staff was making a recommendation for the Agiloft Contract Management Software system which will integrate with our Blackbaud system as well. An open discussion ensued.

Director Freshley commented that she was unaware of there being a previous detail discussion related to the integration of software. Director Freshley stated that she would like to see more explanation of what the software is going to do, how it's going to work, and why Agiloft is the software of choice. She also stated she has previously raised the issue that there is a need to have something better than what is currently being used but was surprised when the item showed up on the agenda. She requested more consideration and discussion before she felt comfortable to move forward with a decision.

Director Reinhart expressed his concern for the purpose of software security. He noted

that every time software was added access to that software provides potential backdoor access to other information including the member agencies and cyber-security is becoming so important. Director Reinhart stated he would like to have more of a global discussion as to how we handle cyber-security and what kind of training is given to staff that the member agencies are informed and are not liable or subject to backdoor intrusion that could be disastrous.

Director Ferons stated he was okay with tabling the agenda item for now. He agreed with Director Freshley on her reasons she previously stated as well as at the upcoming meeting in January there will be discussion of the next steps at the agency. Director Ferons continued by stating while it's important it may be a bit premature at least on some of the conversations. He appreciated Amber bringing the item forward noting he understood the need for it but was okay with tabling it for now.

Director Collings stated he thinks there is value in the software noting Moulton has taken steps along a similar line at their agency. He commented that he supports Director Ferons in holding this off until further discussion in February so that Director Freshley's questions are answered. Director Collings noted it would be beneficial to query the rest of the SOCWA member agencies along with anybody else within SOCWA community that is using a similar type of software and programs.

There was consensus of the Board of Directors to table this agenda item until February 2022. There was no action taken.

- L. AB 361 – Allowing for Virtual Meetings – Findings and Approval to continue virtual meetings

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to approve the findings and actions:

1. The Board hereby FINDS AND DECLARES that it has reconsidered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the December 9, 2021 Board meeting, the Board hereby FINDS AND DECLARES that the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or that state and/or local officials continue to impose or recommend measures to promote social distancing;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, December 9, 2021 to January 8, 2022, regular and special meetings of the SOCWA Board and its Standing Committees and Project Committees will continue to be virtual meetings held in accordance with AB 361 Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the January 6, 2022 board meeting as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at that meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.

Motion carried: Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
Director Reinhart Aye
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director Hart Aye
Director Rebensdorf Absent

M. Consideration of Approval of Unapproved Minutes, Disbursements and Financial Reports

Director Collings requested agenda item 6M be tabled and brought to the Board February 2022. He stated that he spoke with the General Manager, Director Dopudja, and legal counsel regarding the matter and it's his recommendation that the Board continue to table the item while continuing to look to Director Dopudja and legal counsel resolve and bring clarity to this item. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Dunbar to table agenda item 6M until the February 2022 Board meeting.

Motion carried: Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
Director Reinhart Aye
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director Hart Aye
Director Rebensdorf Absent

N. Counsel Updates

a. All Hands Meeting re Withdrawal Proposals – January 28, 2022

Mr. Greg Moser of Procopio and General Counsel for SOCWA updated the Board that the All-Hands Meeting is scheduled for January 28, 2022, 9 a.m. to 1:00 p.m., and will be held at "The Ranch" in Aliso Viejo. He noted the focus of the meeting is to discuss the withdrawal issue for the two agencies who have asked for consideration of withdrawal.

b. Update Regarding West Yost Conflicts Analysis

Mr. Moser reported on the conflict of interest analysis. He stated West Yost was asked to waive confidentiality to ensure all the facts were obtained. However, only a partial waiver was given. He commented that Director Dopudja and his counsel are still wanting to delay

the action in this area until they're able to get more information. An open discussion ensued.

There was consensus of the Board that General Counsel is to continue to monitor the situation and update the Board as new information becomes available.

No action was taken.

O. General Manager's Report

Ms. Betty Burnett, General Manager reported on the following items:

- Ms. Betty reported Ken Pun of the Pun Group provided a PowerPoint presentation that was used to give his oral report on agenda item 4.H. Final Annual Comprehensive Financial Report ACFR for Fiscal Years Ended June 30, 2021, and 2020 under the Consent Calendar. She noted the presentation will be included as part of the Minutes for record.
- Ms. Burnett reported that SOCWA received an update from Mr. Tom Koutroulis, Director of OC Waste and Recycling stating he would be reaching out to wastewater agencies who have digester systems and will schedule a meeting for discussion of opportunities for reusable biosolids and biowaste.
- Ms. Burnett thanked Sean Peacher, SOCWA's Safety Officer, for all of his efforts and to the credit of all members of the SOCWA staff that SOCWA received notice for recognition with CSRMA for their Worker's Compensation Excellence Award and at the CSRMA Board meeting that was just held named SOCWA as one of the agencies that will be honored to receive the 2020 – 2021 Worker's Compensation Excellence Award. She noted there are several steps of compliance involved to receive the award that involves the agency demonstrating a strong safety training program.
- Ms. Burnett lastly reported the 2022 meeting calendar was in the Board packet and to review it and make sure to coordinate any of your existing schedules for the coming calendar year and let us know of any changes needed to the meeting dates.

This was an information item; no action was taken.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting in memory of Richard Gardner at 10:27 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 December 9, 2021, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

South Orange County Wastewater Authority

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

For the Year Ended June 30, 2021

December 6, 2021

CONTENTS

- Scope of Work
- Required Communications (AU-C 260)
- Audit Approach for SOCWA
- Overview of Financial Statements
- Audit Results
- Thank You!

12/1/2021

SCOPE OF WORK

12/1/2021

SCOPE OF WORK

- Audit of the Comprehensive Annual Financial Report
- Report on internal control over financial reporting and on compliance in accordance with *Government Auditing Standards*

12/1/2021

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.

1/28/2022
2

Required Communications (AU-C 260)

12/1/2021

Required Communications (AU-C 260)

- **Ethics and Independence**
 - Complied with ALL relevant ethical requirements regarding independence
- **Significant Accounting Policies**
 - SOCWA disclosed all significant accounting policies in Note 2 to the financial statements.
 - SOCWA implemented GASB Statement No. 98, *The Annual Comprehensive Financial Report*.
- **Significant Estimates**
 - Fair Value on Investments
 - Depreciation on Capital Assets
 - Net Pension Liability
 - Net OPEB Liability

12/1/2021

Required Communications (AU-C 260)

- **Sensitive Disclosures**

- Note 6 – Other Postemployment Benefits (“OPEB”)
- Note 7 – Defined Benefit Pension Plan
- Note 9 – Commitment and Contingencies
- Note 10 – Subsequent Event

- **Misstatements**

- There were no corrected or uncorrected misstatement reported.

- **Consultation with Other Accountants**

- Management informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and other matters.

12/1/2021

Required Communications (AU-C 260)

- **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.

12/1/2021

OVERVIEW OF THE FINANCIAL STATEMENTS

12/1/2021

Net Position as of June 30

	2021	2020
Assets	\$ 169,480,213	\$ 161,174,478
Deferred Outflows of Resources	3,869,594	4,002,143
Liabilities	30,751,449	26,132,000
Deferred Inflows of Resources	2,468,392	1,578,808
Net Position:		
Investment in capital asset	152,740,190	137,653,909
Unrestricted (deficit)	(12,610,224)	(188,096)
Total net position	<u>\$ 140,129,966</u>	<u>\$ 137,465,813</u>

12/1/2021

Changes in Net Position

	2021	2020
Operating Revenues	\$ 22,015,485	\$ 22,455,961
Less: Operating expenses	(31,127,994)	(31,281,811)
Non operating revenues	243,129	717,384
Capital contributions	11,533,533	14,587,871
Changes in Net Position	<u>\$ 2,664,153</u>	<u>\$ 6,479,405</u>

1/28/2022

Net Pension Liability

Measurement Date	Plan's Aggregate Net Pension Liability/(Asset)		
	Discount Rate -1% (6.15%)	Current Discount Rate (7.15%)	Discount Rate +1% (8.15%)
June 30, 2020	\$ 23,382,615	\$ 15,527,683	\$ 9,037,399

1/28/2022

Net OPEB Liability

Measurement Date	Plan's Net OPEB Liability		
	Discount Rate -1% (5.50%)	Current Discount Rate (6.50%)	Discount Rate +1% (7.50%)
June 30, 2021	\$ 5,344,943	\$ 4,142,479	\$ 2,906,753

1/28/2022

AUDIT RESULT

12/1/2021

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

12/1/2021



Thank You

**HQ - ORANGE COUNTY**

200 E. Sandpointe Avenue
Suite 600
Santa Ana, CA 92707

SAN DIEGO

4365 Executive Drive
Suite 710
San Diego, CA 92121

BAY AREA

2121 North California Blvd.
Suite 290
Walnut Creek, CA 94596

LAS VEGAS

1050 Indigo Drive
Suite 110
Las Vegas, NV 89145

PHOENIX

4742 North 24th Street
Suite 300
Phoenix, AZ 85016

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

DRAFT

Executive Committee

January 20, 2022

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee Meeting was held on January 20, 2022 at 8:00 a.m. via teleconference from 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
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director

Staff Participation:

DANITA HIRSH	Executive Assistant
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Also Participating:

BRAD NEUFELD	Varner & Brandt, LLC
JEFF BILLS	

1. Call Meeting to Order

Chairman Collings called the meeting to order at 8:03 a.m.

2. Public Comments

None.

3. Closed Session

A Closed Session Conference was held pursuant to Government Code Section § 54957 – Public Employee Performance Evaluation – Title: General Manager.

The Executive Committee Members convened to Closed Session at 8:03 a.m.

The Executive Committee Members reconvened to Open Session at 9:52 a.m.

There were no reportable actions out of Closed Session.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 9:52 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Executive Committee of January 20, 2021 and approved by the Executive Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager / Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

DRAFT

PC 15 Committee Meeting

November 3, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 15 Meeting was held on November 3, 2021 at 9:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Project Committee 15 were present via Zoom Meeting:

DAVID SHISSLER	City of Laguna Beach	Alternate Director
MIKE DUNBAR	Emerald Bay Service District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director

Staff Participation:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JAMES JONES	Chief Operator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

GREG MOSER	Procopio Law Firm
ADRIANA OCHOA	Procopio Law Firm
RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
HANNAH JOHNSON	City of Laguna Beach
ROD WOODS	Moulton Niguel Water District
TARYN KJOLSING	South Coast Water District
SHERRY WANNINGER	Moulton Niguel Water District
JOE ROHRBACHER	Pure Legacy Group
BRYCE DANKER	Hazen & Sawyer
BRANDT MILLER	Hazen & Sawyer
MIKE MERRINER	Pure Legacy Group
DON FROELICH	Moulton Niguel Water District

1. Call Meeting to Order

Chairman Dunbar called the meeting to order at 9:30 a.m.

2. Public Comments

None.

3. Coastal Treatment Plant Feasibility Study Final Report Update
[Project Committee 15]

Mr. Bryce Danker and Mr. Joe Rohrbacher on behalf of the Hazen and Sawyer team gave a final update presentation on the Coastal Treatment Plant Feasibility Study. The updates included review of shortlisted alternatives, cost estimate summary, future AWT considerations, and addressing the next steps. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Dunbar adjourned the meeting at 10:56 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Project Committee No. 15 of November 3, 2021 and approved by the Project Committee No. 15 and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager / Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

DRAFT

PC 15/Engineering Joint Committee Meeting

November 15, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 15/Engineering Joint Meeting was held on November 15, 2021 at 8:00 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Project Committee 15 were present via Zoom Meeting:

DAVID SHISSLER	City of Laguna Beach	Alternate Director
MIKE DUNBAR	Emerald Bay Service District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director

Staff Participation:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JAMES JONES	Chief Operator
JEANETTE COTINOLA	Contracts/Procurement Manager
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

RICK SHINTAKU	South Coast Water District
MARC SERNA	South Coast Water District
TARYN KJOLSING	South Coast Water District

1. Call Meeting to Order

Chairman Dunbar called the meeting to order at 8:01 a.m.

2. Public Comments

None.

**3. Coastal Treatment Plant Export Sludge Force Main Replacement Update
[Project Committee 15]**

Mr. Manning, Director of Engineering reported the Sludge Force Main went online last week and is running smoothly. He stated the trail where the new line was installed is currently being resurfaced and should be open the early part of 2022. Mr. Manning also reported some of the slopes will be replace due to the construction work. An open discussion ensued.

This was an information item; no action was taken.

4. Coastal Treatment Plant Facility Improvements Estimate for Descoped Items
[Project Committee 15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Shissler to approve the descoped items for a total of \$1,005,182.06.

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

5. Coastal Treatment Plant Facility Improvements Final Change Orders
[Project Committee 15]

ACTION TAKEN

Motion was made by Director Shissler and seconded by Director Goldman to approve PCL Change Order 39 for \$2,817, Change Order 40 for \$2,962, Change Order 41 for \$53,876, Change Order 42 for \$26,000, Change Order 43 for \$11,371, Change Order 44 for \$18,029, Change Order 45 for \$100,000, and Change Order 46 for \$195,006 for a total of \$410,061 and a revised contract value of \$8,780,022.

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

6. Coastal Treatment Plant Facility Improvement Project Anticipated Budget Adjustment [Project Committee 15]

Motion was made by Director Goldman and seconded by Director Dunbar to approve a budget increase for Facility Construction Improvements (3539-000) by \$325,000 to \$2,825,000 for the 21/22 FY.

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

Adjournment

There being no further business, Chairman Dunbar adjourned the meeting at 8:50 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Project Committee No. 15 of November 15, 2021 and approved by the Project Committee No. 15 and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager / Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

October 14, 2021

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on October 14, 2021, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Zoom Meeting:

DAVE REBENDS DORF	City of San Clemente
MIKE MARQUIS	City of San Juan Capistrano [arrived @ 8:54 a.m.]
HANNAH FORD	El Toro Water District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District [exited @ 9:25 a.m.]
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

DAVID SHISSLER	City of Laguna Beach
MIKE DUNBAR	Emerald Bay Service District
KEVIN BURTON	Irvine Ranch Water District

Staff Present:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JEANETTE COTINOLA	Procurement/Contracts Administrator
MATT CLARKE	IT Administrator

Also Present:

TARYN KJOLSING	South Coast Water District
CHRIS NEWTON	South Coast Water District
SHERRY WANNINGER	Moulton Niguel Water District
JESUS GARIBAY	Moulton Niguel Water District
DENNIS CAFFERTY	El Toro Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:33 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Engineering Committee Meeting of August 12, 2021.

ACTION TAKEN

Motion was made by Mr. Bunts seconded by Mr. Serna to approve the Engineering Committee Minutes of August 12, 2021, as submitted.

Motion Carried: Aye 6, Nay 0, Abstained 0, Absent 4
David Shissler (CLB) Absent
Dave Rebensdorf (CSC) Aye
Mike Marquis (CSJC) Absent
Mike Dunbar (EBSD) Absent
Dennis Cafferty (ETWD) Aye
Kevin Burton (IRWD) Absent
Rod Woods (MNWD) Aye
Marc Serna (SCWD) Aye
Don Bunts (SMWD) Aye
Lorrie Lausten (TCWD) Aye

4. Operations Report

Mr. Burror, Director of Operations, gave an update on the Digester 1 cleaning process.

This was an information item; no action was taken.

5. Capital improvement Construction Projects Report

Ms. Young, Associate Engineer reported on the J.B. Latham Package B Project status. She stated Olsson Construction continues to work on Plant 1 Primary Basins. They are nearing completion of the rehabilitation work on DAFT No. 2 and continued to work on MCC F-1.

Ms. Young then reported on the two (2) Change Orders for the Package B Project. She stated Change Order 29 is for the relocation of the Digester 3 ground rod to the Digester 4 area for \$7,269, and Change Order 30 is for the upsizing of conduits in the Storm Water Pump Station and East Electrical Building for \$8,045. An open discussion ensued.

ACTION TAKEN

There was consensus of the PC 2 Engineering Committee to recommend to the PC 2 Board of Directors to approve Olsson Construction Change Orders 29 and 30 for a total of \$15,315.

Motion Carried: Aye 4, Nay 0, Abstained 0, Absent 0
Mike Marquis (CSJC) Aye
Rod Woods (MNWD) Aye
Marc Serna (SCWD) Aye
Don Bunts (SMWD) Aye

Mr. Baranowski, Senior Engineer reported on the Coastal Treatment Plant Facility Improvements Project and the status of change orders. An open discussion ensued.

ACTION TAKEN

The roll call vote for the PC 15 Engineering Committee to recommend to the PC 15 Board of Directors to approve PCL Change Orders 29 thru 38 for a total of \$56,676.

Mike Dunbar (EBSD) Absent
Rod Woods (MNWD) Abstain
Marc Serna (SCWD) Aye
Dave Shissler (CLB) Absent

6. Capital improvement Construction Change Order Discussion

Mr. Manning, Director of Engineering gave a presentation reporting on the managing of Capital Improvement Change Orders and mitigating future project change orders. An open discussion ensued.

This was an information item; no action was taken.

7. Regional Treatment Plant Package MCC A, C, G, and H Design Update
[Project Committee 17]

Mr. Manning, Director of Engineering gave an update on the design of MCC A, C, G and H. An open discussion ensued.

ACTION TAKEN

There was consensus of the PC 17 Engineering Committee to recommend to the PC 17 Board of Directors to approve in the previously authorized Board approval for design work for a complete replacement for MCC A, C, G and H.

Motion Carried:	Aye 3, Nay 0, Abstained 0, Absent 2
	Mike Dunbar (EBSD) Absent
	Rod Woods (MNWD) Aye
	*Taryn Kjolsing (SCWD) Aye
	Hannah Ford (ETWD) Aye
	Dave Shissler (CLB) Absent

*Mr. Serna deferred to Ms. Kjolsing as the representative of SCWD in his absence.

Adjournment

There being no further business, Mr. Manning adjourned the meeting at 9.37 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 14, 2021 and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

November 18, 2021

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on November 18, 2021, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Zoom Meeting:

DAVID SHISSLER	City of Laguna Beach
HANNAH FORD	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District
KEVIN BURTON	Irvine Ranch Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

MIKE MARQUIS	City of San Juan Capistrano
ROD WOODS	Moulton Niguel Water District
DAVE REBENS DORF	City of San Clemente

Staff Present:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
MATT CLARKE	IT Administrator
DANIEL VASQUEZ	Chief Mechanic
DANITA HIRSH	Executive Assistant

Also Present:

TERI RAASCH	Carollo Engineers
RASHI GUPTA	Carollo Engineers
ALYSSA DIGIROLAMO	Carollo Engineers
TARYN KJOLSING	South Coast Water District
CHRIS NEWTON	South Coast Water District
TODD DMYTRYSHYN	Moulton Niguel Water District
JESUS GARIBAY	Moulton Niguel Water District
DENNIS CAFFERTY	El Toro Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:32 a.m.

2. Public Comments

None.

3. **Approval of Minutes**

- Engineering Committee Meeting of September 9, 2021.

ACTION TAKEN

Motion was made by Mr. Bunts seconded by Mr. Serna to approve the Engineering Committee Minutes of September 9, 2021, as submitted.

Motion Carried:	Aye 5, Nay 0, Abstained 2, Absent 3
	David Shissler (CLB) Aye
	Dave Rebensdorf (CSC) Absent
	Mike Marquis (CSJC) Absent
	Mike Dunbar (EBSD) Abstain
	Hannah Ford (ETWD) Aye
	Kevin Burton (IRWD) Abstain
	Rod Woods (MNWD) Absent
	Marc Serna (SCWD) Aye
	Don Bunts (SMWD) Aye
	Lorrie Lausten (TCWD) Aye

4. **Operations Report**

Mr. Burror, Director of Operations reported on the activation of the Sludge Force Main noting staff is working through the new operating parameters. He also reported on the progress of Digester 1 cleaning work at JBL.

Ms. Baylor, Director of Environmental Compliance updated the Engineering Committee on the status of conducting a microplastic study for the Coastal Treatment Plant. She also gave a status update on the Administrative Draft for the status of the Aliso Creek and San Juan Creek Ocean Outfall NPDES Permits. An open discussion ensued.

This was an information item; no action was taken.

5. **Capital improvement Construction Projects Report**

Mr. Baranowski, Senior Engineer stated that Ms. Young, Associate Engineer would be giving a presentation on the complete status of the Package B Project on agenda item 8 but will be going over the change orders relating to the project for the Engineering Committee's consideration of approval. Mr. Baranowski also stated that the PC 15 Committee met on Monday, November 15, 2021, and had since approved the proposed Change Orders 39 and 40 to PCL Construction. Therefore, action from the Engineering Committee is no longer required. An open discussion ensued.

ACTION TAKEN

There was consensus of the PC 2 Engineering Committee to recommend to the PC 2 Board of Directors to approve Olsson Construction Change Order Change Order 31 for (\$15,903.00), Change Order 32 for \$6,132.27, Change Order 33 for \$18,147.07, and Change Order 34 for \$12,383.89 for a total of \$20,759.23 and a revised contract value of \$18,537,518.51 for the J.B. Latham Package B Project.

Motion Carried:	Aye 2, Nay 0, Abstained 0, Absent 2
	Mike Marquis (CSJC) Absent
	Rod Woods (MNWD) Absent
	Marc Serna (SCWD) Aye
	Don Bunts (SMWD) Aye

6. Effluent Transmission Main Trail Bridge Crossing Project Update
[Project Committee 21, Reach D]

The PC 21 Engineering Committee requested agenda item be Tabled and brought back to the Engineering Committee once further detail for the of scope of work and explanation of costs are provided.

No action was taken.

7. J.B. Latham Treatment Plant Hydraulic Modeling and Flow Management Study Update
[Project Committee 2]

Presentation given by Carollo Engineers:

Rashi Gupta, PE

Teri Raasch, PE

Alyssa DiGirolamo, EIT

This was an information item; no action was taken.

8. J.B. Latham Treatment Plant Package B Construction Update
[Project Committee 2]

Ms. Roni Young gave a presentation updating the Engineering Committee on the status of the construction.

This was an information item; no action was taken.

9. Contract Amendment for the J.B. Latham Treatment Plant Package B Engineering Services during Construction [Project Committee 2]

ACTION TAKEN

There was consensus of the PC 2 Engineering Committee to recommend to the PC 2 Board of Directors to approve the contract amendment to Carollo Engineer in the amount of \$388,420 for a total revised contract amount of \$1,462,565 for the Engineering Services during construction for the J.B. Latham Treatment Plant Package B Project.

Motion Carried:	Aye 2, Nay 0, Abstained 0, Absent 2
	Mike Marquis (CSJC) Absent
	Rod Woods (MNWD) Absent
	Marc Serna (SCWD) Aye
	Don Bunts (SMWD) Aye

10. Contract Amendment for the J.B. Latham Treatment Plant Package B Geotechnical Services [Project Committee 2]

ACTION TAKEN

There was consensus of the PC 2 Engineering Committee to recommend to the PC 2 Board of Directors to approve the contract amendment to Ninyo & Moore in the amount of \$30,000 for a total revised contract amount of \$79,399 for the geotechnical services for the J.B. Latham Treatment Plant Package B Project.

Motion Carried:	Aye 2, Nay 0, Abstained 0, Absent 2
	Mike Marquis (CSJC) Absent
	Rod Woods (MNWD) Absent
	Marc Serna (SCWD) Aye
	Don Bunts (SMWD) Aye

Adjournment

There being no further business, Mr. Manning adjourned the meeting at 9.53 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of November 18, 2021 and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

6.E.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: November 2021 Operations Report

Summary/Discussion

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

1. Monthly Operational Report

An eight (8) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA for billing the agencies. Other items include important statistics for regulatory compliance, visits by the public to the treatment works, and other vendor interactions. The information is broken down by facility and by member agency.

2. SOCWA Ocean Outfall Discharges by Agency

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

3. Beach Ocean Monitoring Report

4. Recycled Water Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report November, 2021

Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	0	3(1)	0	3
Noise	0	0	0	0
Spills	0	0	0	0
Violations	0	0	0	0
Others	0	0	0	0

(1) The same resident noted odors three times. O&M Staff working with MNWD to clean sewer near home and are performing additional odor patrols in the area.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.50	7.37	6.10	0.94	16.91
Effluent (mgd)	2.43	1.72	6.10	2.63	12.88
Peak Flow (mgd)	5.58	19.20	9.14	7.28	41.20
Influent BOD (mg/l)	210	301	344	379	
Influent TSS (mg/l)	280	293	658	325	
Effluent BOD (mg/l)	7.0	4.0	6.3	9.4	
Effluent TSS (mg/l)	11.7	5.6	6.1	10.9	
Effluent Turbidity (NTU)	4.6	3.5	2.0	4.4	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.65	5.66		6.31
Days of Operation (days)	29	30		
Total Flow (million gallons)	19.6	169.8		189.4
Plant Irrigation (million gallons)	0.01	0.07	0.03	
AWT Time Online (%)	100.0	99.0		

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 November, 2021 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		759.4	0.0	759.4
Nursery Products (tons)		314.0	655.1	969.1
Prima Deshecha (tons)		0.0	203.3	203.3
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,073.4	858.4	1,931.8

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	111	335	225	671
Corrective Maintenance	21	123	115	259

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	2	2
Member Agency	0	0	0	0
Residents	0	0	0	0
Others	0	2	22	24
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL(1)	Totals
Simi Valley Landfill (tons)	6.0	22.8	78.3	107.1

(1) Includes ongoing Digester cleaning materials sent to Simi Valley Landfill.

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	9.4	58.0	18.3	85.7
Utility Power Purchase (kWh)	34,373	58,548	40,787	133,708
Cogen Power (kWh)		595,953	448,065	1,044,018
Natural Gas (Dth)	12	1,999	1,968	3,979
Digester Gas to Engine (scfm)		8,567,532	4,525,475	13,093,007
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		106,220	156,051	262,271
Digester Gas Power Savings		\$76,408		

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 November, 2021 (cont'd)

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

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.372	52.44%				1.37
EBSD	0.058	2.22%				0.06
SCWD	1.186	45.33%		1.588	22.57%	2.77
MNWD	0.000	0.00%	7.37	1.400	19.89%	8.77
CSJC				2.103	29.89%	2.10
SMWD				1.946	27.66%	1.95
Total	2.616	100.00%	7.37	7.038	100.00%	17.03

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.37	14.97%	1.37	
EBSD				0.06	0.63%	0.06	
SCWD	1.78	15.11%		0.87	9.49%	2.65	Includes Desalters
MNWD	2.93	24.87%		1.72	18.73%	4.65	
ETWD				2.24	24.46%	2.24	Direct Outfall Only
CSJC	2.53	21.49%				2.53	Incudes Desalter
SMWD	1.98	16.75%				1.98	Includes Chiquita
CSC	2.57	21.77%				2.57	Direct Outfall Only
IRWD				2.91	31.73%	2.91	Direct Outfall Only
Total	11.79	100.00%	10.97	9.17	100.00%	20.96	

SOCWA Operational Report November, 2021 (cont'd)

FY Flow/Solids Summary-Billing

Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSJC	4.00	30.77%	2.140	24.41%	2.103	29.89%	2.24	32.00%
MNWD	3.00	23.08%	1.400	15.97%	1.400	19.89%	1.40	20.02%
SCWD	3.75	28.85%	1.805	20.59%	1.588	22.57%	1.66	23.76%
SMWD	2.25	17.31%	3.421	39.03%	1.946	27.66%	1.69	24.22%
Total	13.00	100.00%	8.766	100.00%	7.038	100.00%	6.99	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	6,046	22.86%	7,280	26.08%	6,322	24.49%
MNWD	8,340	21.62%	5,612	21.22%	6,775	24.27%	6,417	24.86%
SCWD	7,715	20.00%	6,238	23.59%	4,441	15.91%	6,097	23.62%
SMWD	10,946	28.38%	8,548	32.32%	9,419	33.74%	6,975	27.03%
Total	38,573	100.00%	26,444	100.00%	27,916	100.00%	25,810	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	2.566	21.77%	2.364	22.58%
CSJC	11.08%	8.860	11.08%	2.534	21.49%	2.667	25.48%
MNWD(3)	15.51%	12.410	15.51%	2.933	24.87%	1.819	17.38%
SCWD	12.46%	9.970	12.46%	1.781	15.11%	1.894	18.09%
SMWD	44.32%	35.460	44.33%	1.975	16.75%	1.723	16.46%
Total	100.00%	80.000	100.00%	11.790	100.00%	10.467	100.00%

(1) Influent billing meter summary:

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

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

(3) All monthly flow data for 3A is reported as part of MNWD's flow to the ocean outfall.

SOCWA Operational Report November, 2021 (cont'd)

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

Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.599	56.52%	1.372	52.44%	1.465	52.46%
EBSD	0.20	2.99%	0.080	2.83%	0.058	2.22%	0.065	2.33%
SCWD	2.00	29.85%	1.150	40.65%	1.186	45.33%	1.262	45.21%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.829	100.00%	2.616	100.00%	2.792	100.00%

Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.00776	0.0993%	0.0000	0.0135	0.0135	0.1807%	0.0135	0.1783%
EBSD	0.00001	0.0001%	0.0000	0.0006	0.0006	0.0077%	0.0006	0.0079%
SCWD	0.00345	0.0442%	0.0000	0.0117	0.0117	0.1562%	0.0116	0.1538%
ETWD	0.01472	0.1884%	0.0000	0.0190	0.0190	0.2537%	0.0161	0.2133%
MNWD	7.78597	99.6679%	7.3747	0.0696	7.4443	99.4017%	7.5108	99.4467%
Total	7.81191	100.0000%	7.3747	0.1145	7.4891	100.0000%	7.5526	100.0000%

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

SOCWA Operational Report November, 2021 (cont'd)

FY Flow/Solids Summary (cont'd)

Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	5,133	14.82%	115,760	11.82%	133,200	12.19%
EBSD	295	0.59%	320	0.92%	4,908	0.50%	5,922	0.54%
SCWD	4,480	8.96%	2,803	8.09%	100,066	10.22%	114,752	10.50%
ETWD	10,200	20.41%	5,282	15.25%	162,550	16.60%	157,840	14.45%
MNWD	29,395	58.82%	21,107	60.92%	595,741	60.85%	680,903	62.32%
Total	49,975	100.00%	34,645	100.00%	979,026	100.00%	1,092,617	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.00%	5.500	11.00%	1.372	14.97%	1.465	21.34%
EBSD	0.78%	0.390	0.78%	0.058	0.63%	0.065	0.95%
ETWD	16.30%	8.151	16.30%	2.242	24.46%	1.725	25.14%
IRWD	15.76%	7.880	15.76%	2.909	31.73%	1.588	23.14%
MNWD	43.85%	21.924	43.85%	1.716	18.73%	1.666	24.28%
SCWD	12.31%	6.155	12.31%	0.869	9.49%	0.354	5.16%
Total	100.00%	50.000	100.00%	9.166	100.00%	6.863	100.00%

SOCWA Operational Report November 2021 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Digester cleaning continued.

Installed new wear strip on Centrifuge #1, which had failed and was affecting flow.

Setup temporary piping to bypass DAF overflow to support Package B Construction.

Removed, rebuilt, and reinstalled Waste Pump #2, which had a failed mechanical seal.

Installed new DAFT overflow pit sprayers to prevent suds from spilling onto the deck, causing slip hazards.

Replaced butterfly and plug valves on Digester 1 Heat Loop, which had seized due to corrosion.

CTP - PC15

Supported Digester cleaning at JBL.

Removed temporary and abandoned water piping originally used for habitat restoration of the Aliso and Wood Canyons Wilderness Park.

Fabricated and tested Primary Influent Sampler for Laboratory project to study microplastics.

Performed confined space entry to replace failing weirs in West Primary #2.

Continued to clean out South DAFT for inspection and maintenance before placement into service.

RTP - PC17

Supported Digester cleaning at JBL.

Performed the Turblex Blower 18,000-hour service.

Repaired the ruptured Semi-Trailer Truck heater core supply hose.

Assembled Service Air Compressor #2 Vibration Isolation base to limit vibration and increase expected useful life.

Replaced corroded and failing SET sump pumps and related piping.

Performed Gas Conditioning System media swap out due to H₂S breakthrough.

Replaced lost sand in all AWT #2 cells.

Removed blockage and installed new Primary Sludge Pump Nos. #3 and #6, which had become clogged.

Installed a new Digester gas isolation valve and moisture trap to allow for the upcoming CIP project needed to bypass the existing piping that is in poor condition.

Support Services - ALL PC'S

Commissioned MSA Gas Detection Instrumentation Project at CTP.

Replaced failed ultrasonic level controller for Polymer Tank #2 at RTP.

Troubleshoot internal circuit breaker for Headworks rollup door at RTP.

Installed new float switch for AWT inlet channel at RTP.

Replaced failing Primary Sludge Pump Nos. #3 and #6 motors at RTP.

SOCWA Operational Report November 2021 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Troubleshoot inaccurate flowmeter at Gas Conditioning Skid at RTP.
Replaced failed fuse on Bleach Pump #3 Control Panel at JBL.
Verified all Hydorranger controllers' firmware updates at JBL.
Replaced failed Bleach Pump #3 motor and speed controller at JBL.
Troubleshoot Building 40 restroom exhaust fan, which failed at JBL.
Troubleshoot rollup door at VSB Building at CTP.
Replaced faulty sensor at NPW control panel at CTP.
Coordinated 2000-hour service with Western Contractor for both Engines for periodic tune-up and repair.

Items with a (*) have been identified as preventable repairs.

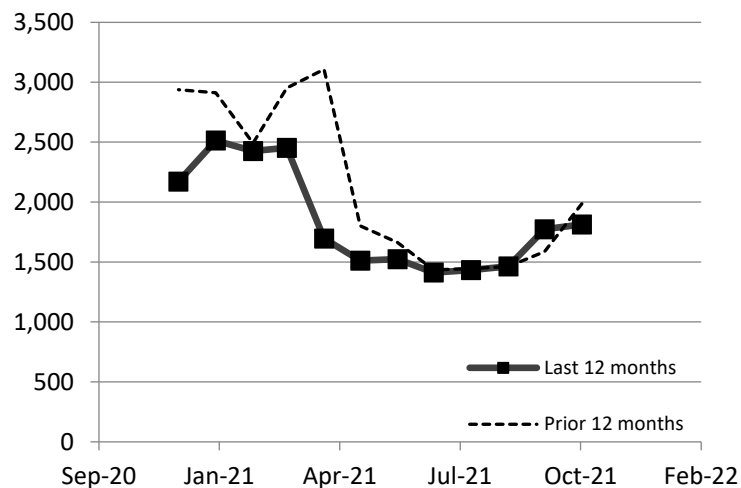
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report November, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.37	14.97%	1.37
EBSD			0.06	0.63%	0.06
SCWD	1.78	15.11%	0.87	9.49%	2.65
MNWD	2.93	24.87%	1.72	18.73%	4.65
ETWD			2.24	24.46%	2.24
CSJC					2.53
SMWD					1.98
CSC					2.57
IRWD			2.91	31.73%	2.91
Total			11.79	100.00%	9.17
	or Acre-Feet per year equivalent				23,470

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

Nov-21	1,813
Oct-21	1,773
Sep-21	1,464
Aug-21	1,433
Jul-21	1,412
Jun-21	1,523
May-21	1,512
Apr-21	1,696
Mar-21	2,453
Feb-21	2,425
Jan-21	2,514
Dec-20	2,170
Total	22,189



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

November 2021

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
11/01/21	No Flow				2.466	7.4		0.1	3.130	3.3	3.0	<0.1	4.888	5.0	5.0	<0.1	0.804	0.625	0.119	12.032	0.00
11/02/21	No Flow				2.236	17.0	5.3	0.1	2.09	5.8	4.0	<0.1	2.400	5.6	6.0	0.2	0.803	0.625	0.119	8.273	0.00
11/03/21	No Flow				2.001	30.3	6.6	0.1	1.070	6.6	3.0	<0.1	3.433	12.5	8.0	0.1	0.803	0.623	0.140	8.070	0.00
11/04/21	No Flow				1.864	9.3	3.1	0.1	0.630	4.6	3.0	<0.1	2.118	13.4	7.0	<0.1	0.803	0.621	0.157	6.193	0.01
11/05/21	No Flow				2.093	11.0	3.3	0.1	0.580	3.6	3.0	<0.1	2.223	17.8	9.0	<0.1	0.803	0.614	0.132	6.445	0.00
11/06/21	No Flow				2.697	15.3	4.5	0.1	2.190	2.8	4.0	<0.1	2.275	20.6	11.0	0.1	0.803	0.626	0.138	8.729	0.00
11/07/21	No Flow				2.800	11.0		0.2	1.800	3.8	5.0	0.1	2.200	17.9	11.0	0.1	0.836	0.640	0.104	8.380	0.00
11/08/21	No Flow				2.981	13.4		0.1	3.760	4.5	4.0	0.1	2.269	11.6	7.0	0.1	0.804	0.608	0.168	10.590	0.00
11/09/21	No Flow				1.956	12.8	4.7	0.1	1.470	2.7	3.0	<0.1	2.263	18.4		0.1	0.803	0.597	0.096	7.185	0.00
11/10/21	No Flow				1.754	13.0	4.0	0.1	0.430	9.7	3.0	<0.1	2.056	85.5		0.1	0.803	0.597	0.003	5.643	0.00
11/11/21	No Flow				1.890	10.4	3.7	0.1	0.800	2.2	3.0	0.1	2.122	9.1	10.0	<0.1	0.803	0.642	0.174	6.431	0.00
11/12/21	No Flow				1.818	9.2	3.5	0.1	0.330	10.2	4.0	<0.1	2.369	7.1	8.0	<0.1	0.804	0.635	0.130	6.086	0.00
11/13/21	No Flow				1.775	8.0	3.1	0.1	0.190	6.1	4.0	<0.1	2.099	15.0	10.0	0.2	0.803	0.631	0.125	5.623	0.00
11/14/21	No Flow				2.592	9.0		0.1	0.290	2.6	3.0	<0.1	2.217	11.9	8.0	0.1	0.803	0.629	0.121	6.652	0.00
11/15/21	No Flow				2.639	9.2		0.1	3.110	11.3		0.1	2.098	6.4		0.1	0.804	0.627	0.150	9.428	0.00
11/16/21	No Flow				1.916	9.8	3.3	0.1	2.860	7.0	4.0	0.1	1.347	4.4	3.0	<0.1	0.803	0.621	0.104	7.651	0.00
11/17/21	No Flow	9.0	5.6	<0.3	1.863	9.0	2.9	0.1	1.130	5.5	2.0	0.1	1.643	1.9	2.0	0.1	0.780	0.615	0.169	6.200	0.00
11/18/21	3.994	9.6	6.2	<0.3	2.185	8.6	2.7	0.1	0.360	6.2	4.0	0.1	2.090	7.5	7.0	0.1	0.355	0.614	0.127	9.725	0.00
11/19/21	3.732	9.0	6.8	<0.3	2.271	8.8	2.6	0.1	1.820	6.2	5.0	0.1	2.133	5.1	5.0	0.1	0.558	0.613	0.133	11.260	0.00
11/20/21	3.481	8.3	5.8	<0.3	2.424	5.7	2.5	0.1	0.980	4.9	3.0		2.106	7.7			0.779	0.633	0.125	10.528	0.00
11/21/21	3.341	8.9	5.3	<0.3	2.834	7.5		0.1	3.750	5.9	6.0	<0.1	2.269	4.1	4.0	0.2	0.779	0.620	0.122	13.715	0.01
11/22/21	3.320	7.4	7.5	<0.3	2.574	7.4		0.1	3.240	4.6	6.0	0.1	2.327	0.7	3.0	0.1	0.779	0.617	0.136	12.993	0.00
11/23/21	3.322	11.0	5.7	<0.3	1.698	9.4	2.7	0.1	2.170	4.9	4.0	<0.1	2.137	5.0	5.0	<0.1	0.779	0.618	0.124	10.848	0.00
11/24/21	3.322	11.0	6.0	<0.3	1.747	9.8	2.7	0.1	0.640	8.9	5.0	<0.1	1.866	6.2	6.0	<0.1	0.779	0.616	0.146	9.116	0.00
11/25/21	3.449	13.0	7.1	<0.3	2.141	11.6	4.4	0.3	0.730	5.0	3.0	0.1	2.258	8.2	6.0	<0.1	0.780	0.609	0.141	10.108	0.00
11/26/21	3.457	10.0	6.2	<0.3	2.012	18.2	6.5	0.1	2.700	7.2	5.0	0.1	2.129	8.2	7.0	0.1	0.779	0.604	0.136	11.817	0.00
11/27/21	3.459	9.0		<0.3	3.204	11.0	5.4	0.1	1.880	5.5	4.0		1.970	10.0	9.0		0.779	0.603	0.126	12.021	0.00
11/28/21	3.468	13.0	6.8	<0.3	2.731	8.4		0.1	2.140	4.4	7.0	0.1	2.384	13.8	10.0	0.1	0.779	0.602	0.149	12.253	0.00
11/29/21	3.335	14.0	7.9	<0.3	2.362	24.3		0.1	3.530	6.2	5.0	0.1	2.278	8.7	7.0	0.1	0.779	0.602	0.130	13.016	0.00
11/30/21	3.904	17.0	9.7	<0.3	1.723	8.4	3.1	0.1	1.690	5.8	5.0	0.2	3.014	2.6	8.0	<0.1	0.779	0.601	0.126	11.837	0.00
AVG	1.519	10.7	6.7	<0.3	2.242	11.5	3.8	0.1	1.716	5.6	4.0	<0.1	2.299	11.7	7.0	<0.1	0.772	0.618	0.129	9.295	
TOTAL	45.58				67.25				51.49				68.98				23.15	18.53	3.870	278.85	0.02

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: November 2021

REPORT DUE: January 1 2022

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 0847

Weather: Fog

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Grease	Odor	Water	H2O	Water	Water	Birds
			Coliform	Coliform	coccus									
			CFU/100ml	CFU/100ml	CFU/100ml	Origin	Oil &							
SM9222B	SM9222D	EPA 1600	Onshore	Offshore										
S3	11/04/21	0805	30	<10	2	None	None	None	None	Green	60	Clear		
S4	11/04/21	1010	30	10	6	None	None	None	None	Green		Clear		
S5	11/04/21	0955	<10	<10	2	None	None	None	None	Green		Clear		
S6	11/04/21	0935	<10	<10	<7	None	None	None	None	Green		Clear		
WEST	11/04/21	0930	<10	10	4	None	None	None	None	Green		Clear		
S7	11/04/21	0925	<10	<10	<2	None	None	None	None	Green		Clear		
S8	11/04/21	0915	<10	<10	2	None	None	None	None	Blue		Clear		
S9	11/04/21	0900	70	80	30	None	None	None	None	Green		Clear		
ACM1	11/04/21	0855	160	100	10	None	None	None	None	Green		Clear		
S10	11/04/21	0845	100	20	10	None	None	None	None	Green		Clear		
S11	11/04/21	0835	80	20	4	None	None	None	None	Green		Clear		
S12	11/04/21	0825	210	50	>=400	None	None	None	None	Green		Clear		

RECREATIONAL 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: November 2021
 REPORT DUE: January 1, 2022
 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 1139

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage				Water	H2O	Water	Water	Birds
			Coliform	Coliform	coccus	Origin		Oil &						
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease	Odor					
			SM9222B	SM9222D	EPA 1600					Color	Temp(F)	Condition	Outlet	
S3	11/08/21	8:05	20	<10	2	None	None	None	None	Green	57	Slightly Turbid		20
S4	11/08/21	8:19	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S5	11/08/21	8:26	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S6	11/08/21	8:42	<10	10	4	None	None	None	None	Green		Slightly Turbid		
WEST	11/08/21	8:46	<10	<10	8	None	None	None	None	Green	61	Slightly Turbid		
S7	11/08/21	8:47	20	10	6	None	None	None	None	Green		Slightly Turbid		
S8	11/08/21	8:53	<10	40	2	None	None	None	None	Green		Slightly Turbid		
S9	11/08/21	9:14	10	<10	<2	None	None	None	None	Green	62	Slightly Turbid		
ACM1	11/08/21	9:20	<10	10	2	None	None	None	None	Green		Slightly Turbid		
S10	11/08/21	9:23	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	11/08/21	9:41	<10	10	8	None	None	None	None	Green		Slightly Turbid		
S12	11/08/21	9:47	460	520	450	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0738

Weather: Partly Cloudy

COMMENTS:

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	11/18/21	7:22	10	10	2	None	None	None	None	Green	56	Slightly Turbid		2
S4	11/18/21	7:34	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	11/18/21	7:43	<10	<10	2	None	None	None	None	Green	58	Slightly Turbid		
S6	11/18/21	7:55	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	11/18/21	8:03	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S7	11/18/21	8:05	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		5
S8	11/18/21	8:10	<10	<10	<2	None	None	None	None	Green	60	Slightly Turbid		
S9	11/18/21	8:27	30	50	20	None	None	None	None	Green	58	Slightly Turbid		
ACM1	11/18/21	8:32	30	20	10	None	None	None	None	Green		Slightly Turbid		
S10	11/18/21	8:35	30	10	4	None	None	None	None	Green		Slightly Turbid		
S11	11/18/21	8:50	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		1
S12	11/18/21	9:00	<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 Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0951

Weather: Clear

COMMENTS:

			Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage								
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water	H2O	Water	Water	
STA#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S3	11/23/21	0755	<10	<10	<2	None	None	None	None	Green	60	Clear		
S4	11/23/21	1015	40	30	14	None	None	None	None	Green		Clear		
S5	11/23/21	0955	<10	20	<2	None	None	None	None	Green		Clear		
S6	11/23/21	0940	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	11/23/21	0935	<10	<10	2	None	None	None	None	Green		Clear		
S7	11/23/21	0925	<10	<10	<2	None	None	None	None	Green		Clear		
S8	11/23/21	0915	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	11/23/21	0905	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	11/23/21	0845	20	10	4	None	None	None	None	Green		Clear		
S10	11/23/21	0840	<10	10	2	None	None	None	None	Green		Clear		
S11	11/23/21	0830	20	10	8	None	None	None	None	Green		Clear		
S12	11/23/21	0820	<10	<10	<2	None	None	None	None	Green		Clear		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: November 2021

REPORT FREQUENCY: Monthly

REPORT DUE: January 1, 2022

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 0646

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	11/10/21	4	<2	<2	0759	0	0	
A-1	Mid depth	11/10/21	<10	<10	<10				
A-2	Surface	11/10/21	2	<2	<2	0749	0	0	
A-2	Mid depth	11/10/21	20	<10	<10				
A-3	Surface	11/10/21	<2	<2	<2	0752	0	0	
A-3	Mid depth	11/10/21	<10	<10	<10				
A-4	Surface	11/10/21	20	<2	<2	0803	0	0	
A-4	Mid depth	11/10/21	10	10	<10				
A-5	Surface	11/10/21	<2	<2	<2	0755	0	0	
A-5	Mid depth	11/10/21	<10	<10	<10				
B-1	Surface	11/10/21	<2	<2	<2	0741	0	0	
B-1	Mid depth	11/10/21	10	10	<10				
B-2	Surface	11/10/21	<2	<2	<2	0810	0	0	
B-2	Mid depth	11/10/21	<10	<10	<10				
N1	Surface	11/10/21	36	<2	<2	0825	0	0	
N2	Surface	11/10/21	60	32	16	0823	0	0	
N3	Surface	11/10/21	52	28	22	0822	0	0	
N4	Surface	11/10/21	30	28	24	0821	0	0	
N5	Surface	11/10/21	32	16	6	0820	0	0	
N6	Surface	11/10/21	12	2	2	0819	0	0	
N7	Surface	11/10/21	4	<2	<2	0817	0	0	

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

**Compliance Summary Report
Aliso Creek Ocean Outfall 2021**

ACOO Permit Order No. R9-2012-0013							
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 - 2021
Order No. R9-2012-0013 ~ 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

November 2021

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
11/01/21	6.420	6.5	7.4	0.1	3.124	6.0	7.0	<0.1	0.306	3.7	7.0	<0.1	1.536	9.4	7.8	ND	0.423	0.184	10.960	0.00
11/02/21	6.430	5.5	5.4	<0.1	2.536	5.1	6.0	<0.1	0.013	5.9	6.5	<0.1	1.543	9.0	7.4	ND	0.437	0.167	10.940	0.00
11/03/21	6.400	8.4	6.4	0.1	2.684	3.7		<0.1	0.013	3.2	2.9	<0.1	1.403	12.6	10.4	ND	0.447	0.194	11.600	0.00
11/04/21	7.080	6.4	5.4	0.1	2.500	4.1	4.0	0.1	0.007	3.4	3.3	<0.1	1.547	11.6	8.4	ND	0.213	0.200	11.010	0.01
11/05/21	6.490	6.5	7.0	<0.1	2.800	8.2	6.0	<0.1	0.008	1.9	2.2	<0.1	1.548	10.6	8.2	ND	0.261	0.194	11.120	0.00
11/06/21	6.700	5.2	6.4	<0.1	2.589				0.004				1.527				0.427	0.202	10.510	0.00
11/07/21	6.580	7.0	9.1	<0.1	3.251				0.014				1.571				0.427	0.199	11.070	0.00
11/08/21	6.920	9.5		<0.1	3.371	4.8	8.0	<0.1	0.078	10.2	6.6	0.1	1.560	11.6	7.9	ND	0.445	0.195	11.590	0.00
11/09/21	6.490	5.9	6.6	<0.1	1.882	4.7	8.0	<0.1	0.024	5.1	7.8	<0.1	1.527	8.6	7.1	ND	0.433	0.195	10.900	0.00
11/10/21	6.700	9.9	10.0	0.1	2.523	4.6	8.0	<0.1	0.216	6.2	4.2	<0.1	1.528	9.6	8.4	ND	0.454	0.199	11.000	0.00
11/11/21	7.010	5.3	5.3	<0.1	2.844	4.4	4.0	<0.1	0.012	2.7	3.1	<0.1	1.546	8.6	6.8	ND	0.449	0.195	11.840	0.00
11/12/21	6.470	10.3	7.7	0.1	2.178	6.6	6.0	<0.1	0.009	2.1	3.1	<0.1	1.565	6.6	5.8	ND	0.448	0.200	10.400	0.00
11/13/21	6.740	5.7	6.4	<0.1	2.315				0.000				1.423				0.448	0.195	11.360	0.00
11/14/21	6.340	7.9	7.5	<0.1	2.477				0.000				1.423				0.445	0.195	10.710	0.00
11/15/21	6.630	9.5		<0.1	2.349	5.9	7.0	<0.1	0.013	2.4	6.8	<0.1	1.573	14.4	8.8	ND	0.446	0.199	10.920	0.00
11/16/21	6.560	8.5	7.7	0.1	2.173	5.1	4.0	<0.1	0.010	2.3	8.1	<0.1	1.514	17.8	13.6	ND	0.448	0.194	10.740	0.00
11/17/21	6.650	8.0	7.9	0.1	2.292	5.8	6.0	<0.1	0.024	2.2	2.7	<0.1	1.518	9.2	7.8	ND	0.448	0.200	10.960	0.00
11/18/21	6.360	10.3	6.2	0.4	2.164	5.0	5.0	<0.1	0.024	2.3	2.5	<0.1	1.522	10.0	8.2	ND	0.449	0.196	10.560	0.00
11/19/21	6.270	10.9	7.1	0.2	2.543	5.3	5.0	<0.1	0.019	1.6	2.5	<0.1	1.538	7.2	6.0	ND	0.449	0.195	10.760	0.00
11/20/21	6.420	10.0	8.2		2.639				0.000				1.541				0.449	0.195	10.950	0.00
11/21/21	7.060	7.8	8.5	<0.1	2.273				0.000				1.553				0.449	0.199	11.540	0.01
11/22/21	6.940	9.9	10.8	<0.1	2.616	6.3	6.0	<0.1	0.007	2.5	7.5	<0.1	1.590	12.4	8.5	ND	0.448	0.190	11.550	0.00
11/23/21	6.250	7.9	8.4	<0.1	2.661	6.5	9.0	<0.1	0.006	2.6	6.6	<0.1	1.585	13.8	11.7	ND	0.447	0.186	10.830	0.00
11/24/21	6.920	8.6	10.8	0.1	2.499	4.9	6.0	<0.1	0.026	2.4	3.0	<0.1	1.627	13.2	9.8	ND	0.447	0.187	11.370	0.00
11/25/21	7.330	8.0	6.7	<0.1	2.477	4.6	5.0	<0.1	0.001	2.4	2.8	<0.1	1.544	14.0	11.8	ND	0.448	0.192	11.680	0.00
11/26/21	7.120	4.6	4.5	0.1	2.806	5.7	5.0	<0.1	0.012	1.9	3.6	<0.1	1.455	19.2	14.0	ND	0.447	0.188	11.470	0.00
11/27/21	6.790	9.7	9.3		2.005				0.000				1.519				0.447	0.188	10.960	0.00
11/28/21	7.630	6.4	8.2	<0.1	2.947				0.001				1.604				0.446	0.192	12.040	0.00
11/29/21	6.950	8.2	7.4	0.1	2.867	6.2	7.0	<0.1	0.018	2.1	7.4	<0.1	1.536	27.4	14.2	ND	0.446	0.188	11.830	0.00
11/30/21	6.760	10.9	8.6	<0.1	2.608	6.9	6.0	<0.1	0.004	1.6	6.1	<0.1	1.511	16.2	12.5	ND	0.446	0.189	11.090	0.00
AVG TOTAL	6.714 201.410	8.0	7.5	<0.1	2.566 76.993	5.5	6.1	<0.1	0.029 0.869	3.2	4.8	<0.1	1.533 45.977	12.4	9.3	ND	0.431 12.917	0.193 5.792	11.142 334.260	0.02

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0746

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	Condition	Outlet	
S0	11/02/21	0905	20	<20	6	None	None	None	None	Green			Slightly Turbid		
S1	11/02/21	0910	<20	<20	6	None	None	None	None	Green			Slightly Turbid		
S2	11/02/21	0840	20	20	40	None	None	None	None	Green			Slightly Turbid		
DSB5	11/02/21	0825	<20	<20	6	None	None	None	None	Green	61		Slightly Turbid		
S3	11/02/21	0920	20	<20	10	None	None	None	None	Green			Slightly Turbid		
DSB4	11/02/21	0925	<20	20	<2	None	None	None	None	Green			Slightly Turbid		
S5	11/02/21	0935	<20	<20	<2	None	None	None	None	Green			Slightly Turbid		
DSB1	11/02/21	0945	<20	<20	2	None	None	None	None	Green			Slightly Turbid		
SJC1	11/02/21	0835	100	<100	30	None	None	None	None	Brown			Slightly Turbid		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0503

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	11/09/21	0855	<20	20	18	None	None	None	None	Green			Slightly Turbid		
S1	11/09/21	0905	<20	<20	6	None	None	None	None	Green			Slightly Turbid		
S2	11/09/21	0810	20	<20	6	None	None	None	None	Green			Slightly Turbid		
DSB5	11/09/21	0800	20	20	8	None	None	None	None	Green	61		Slightly Turbid		
S3	11/09/21	0910	<20	<20	2	None	None	None	None	Green			Slightly Turbid		
DSB4	11/09/21	0915	<20	<20	<2	None	None	None	None	Green			Slightly Turbid		
S5	11/09/21	0925	<20	200	<2	None	None	None	None	Green			Slightly Turbid		
DSB1	11/09/21	0930	<20	<20	2	None	None	None	None	Green			Slightly Turbid		
SJC1	11/09/21	0835	<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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0756

Weather: Fog

COMMENTS:

STATION #	DATE	TIME	Total	Fecal	Entero-	Material of Sewage									
			Coliform	Coliform	coccus	Origin		Oil &	Water		H2O	Water	Water		
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds	
			SM9222B	SM9222D	EPA 1600										
S0	11/16/21	830	40	<20	12	None	None	None	None	Green	61	Turbid			
S1	11/16/21	838	60	<20	8	None	None	None	None	Green		Turbid			
S2	11/16/21	820	40	20	28	None	None	None	None	Green		Turbid			
DSB5	11/16/21	810	20	<20	26	None	None	None	None	Green		Turbid			
S3	11/16/21	841	40	20	2	None	None	None	None	Green		Turbid			
DSB4	11/16/21	843	<20	<20	<2	None	None	None	None	Green	62	Turbid			
S5	11/16/21	848	<20	<20	2	None	None	None	None	Green		Turbid			
DSB1	11/16/21	851	<20	20	<2	None	None	None	None	Green		Turbid			
SJC1	11/16/21	831	<100	<100	20	None	None	None	None	Green		Turbid			

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: November 2021
 REPORT DUE: January 1, 2022
 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 0951

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	11/23/21	7:56	20	20	4	None	None	None	None	Green	56	Slightly Turbid			10 5
S1	11/23/21	8:27	20	20	<2	None	None	None	None	Green		Slightly Turbid			
S2	11/23/21	7:45	300	120	24	None	None	None	None	Green		Slightly Turbid			
DSB5	11/23/21	7:30	<20	<20	2	None	None	None	None	Green	53	Slightly Turbid			
S3	11/23/21	8:38	60	20	20	None	None	None	None	Green		Slightly Turbid			
DSB4	11/23/21	8:45	40	20	28	None	None	None	None	Green	57	Slightly Turbid			
S5	11/23/21	8:49	<20	<20	<2	None	None	None	None	Green		Slightly Turbid			
DSB1	11/23/21	8:54	20	<20	2	None	None	None	None	Green		Slightly Turbid			
SJC1	11/23/21	7:52	<20	<20	4	None	None	None	None	Green	56	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: November 2021
 REPORT DUE: January 1, 2022
 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

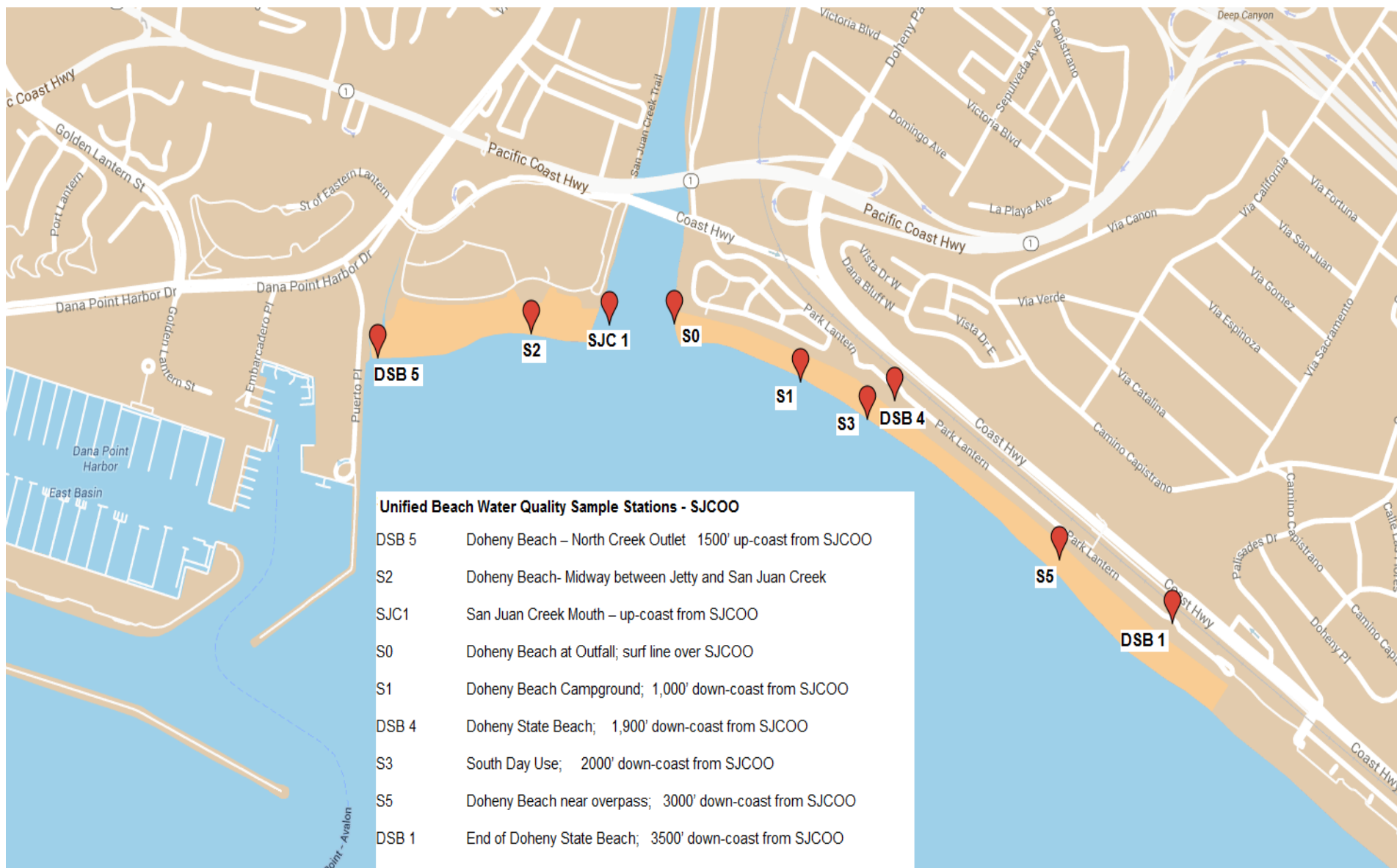
Tidal Condition: High Tide 0544

Weather: Fog

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		Odor						
S0	11/30/21	857	<20	<20	<2	None	None	None	None	Brown			Slightly Turbid		
S1	11/30/21	906	<20	<20	<2	None	None	None	None	Brown			Slightly Turbid		
S2	11/30/21	820	60	20	20	None	None	None	None	Green			Slightly Turbid		
DSB5	11/30/21	810	20	60	28	None	None	None	None	Brown			Slightly Turbid		
S3	11/30/21	910	<20	20	4	None	None	None	None	Brown			Slightly Turbid		
DSB4	11/30/21	914	<20	20	6	None	None	None	None	Brown	57		Slightly Turbid		
S5	11/30/21	923	<20	<20	6	None	None	None	None	Green			Clear		
DSB1	11/30/21	928	<20	<20	<2	None	None	None	None	Blue	64		Clear		
SJC1	11/30/21	825	<100	<100	2	None	None	None	None	Green			Slightly Turbid		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 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: November 2021

REPORT FREQUENCY: Monthly

REPORT DUE: January 1, 2022

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: Low Tide 0646

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	11/10/21	<2	<2	<2	0920	0	0	
A-1	Mid depth	11/10/21	<10	<10	<10				
A-2	Surface	11/10/21	<2	<2	<2	0925	0	0	
A-2	Mid depth	11/10/21	<10	10	10				
A-3	Surface	11/10/21	<2	<2	<2	0927	0	0	
A-3	Mid depth	11/10/21	<10	<10	<10				
A-4	Surface	11/10/21	<2	<2	<2	0940	0	0	
A-4	Mid depth	11/10/21	<10	10	10				
A-5	Surface	11/10/21	<2	<2	<2	0931	0	0	
A-5	Mid depth	11/10/21	<10	<10	<10				
B-1	Surface	11/10/21	<2	<2	<2	0914	0	0	
B-1	Mid depth	11/10/21	<10	<10	<10				
B-2	Surface	11/10/21	<2	<2	<2	0951	0	0	
B-2	Mid depth	11/10/21	<10	<10	<10				
N1	Surface	11/10/21	<2	<2	<2	0910	0	0	
N2	Surface	11/10/21	10	<2	<2	0905	0	0	
N3	Surface	11/10/21	<2	<2	2	0902	0	0	
N4	Surface	11/10/21	28	12	18	0857	0	0	
N5	Surface	11/10/21	12	<2	2	0855	0	0	
N6	Surface	11/10/21	2	<2	2	0852	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.



SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2021
Order No. R9-2012-0012 ~ 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.							

Recycled Water Report

**2021 Compliance Summary Report
Recycled Water Permit**

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - RTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	1/7/2021	TDS	12-Month	mg/L	1000	1141	
SOCWA - RTP	1/7/2021	Iron	12-Month	mg/L	0.30	0.47	
MNWD - 3A	1/11/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	1/11/2021	TDS	12-Month	mg/L	1000	1112	
SOCWA - CTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/2/2021	Manganese	12-Month	mg/L	0.05	0.13	
SOCWA - RTP	2/2/2021	TDS	12-Month	mg/L	1000	1170	
SOCWA - CTP	2/6/2021	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	3/2/2021	TDS	12-Month	mg/L	1000	1160	
SOCWA - CTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - CTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - RTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/6/2021	TDS	12-Month	mg/L	1000	1160	
MNWD - 3A	4/24/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	4/24/2021	TDS	12-Month	mg/L	1000	1260	
SOCWA - RTP	4/30/2021	Coliform	30 Day Mean	MPN/100mL	23	25.6	
MNWD - 3A	5/24/2021	TDS	12-Month	mg/L	1000	1130	
MNWD - 3A	5/24/2021	TDS	Daily Maximum	mg/L	1100	1110	
MNWD - 3A	5/24/2021	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - RTP	5/4/2021	Iron	12-Month	mg/L	0.3	0.34	
SOCWA - RTP	5/4/2021	TDS	12-Month	mg/L	1000	1138	
SOCWA - RTP	5/4/2021	TDS	Daily Maximum	mg/L	1100	1260	
SOCWA - RTP	5/4/2021	Manganese	12-Month	mg/L	0.05	0.11	
MNWD - 3A	5/24/2021	TDS	12-Month	mg/L	1000	1131	
MNWD - 3A	5/24/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	6/1/2021	Iron	12-Month	mg/L	0.3	0.36	
SOCWA - RTP	6/1/2021	TDS	12-Month	mg/L	1000	1140	

**2021 Compliance Summary Report
Recycled Water Permit**

SOCWA - RTP	6/1/2021	TDS	Daily Maximum	mg/L	1100	1210	
SOCWA - RTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
TCWD - RRWRP	6/17/2021	Iron	12-Month	mg/L	0.05	0.46	
SOCWA - RTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
SOCWA - RTP	7/1/2021	TDS	Daily Maximum	mg/L	1100	1140	
SOCWA - RTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
MNWD - 3A	7/6/2021	TDS	Daily Maximum	mg/L	1100	1130	
MNWD - 3A	7/6/2021	TDS	12-Month	mg/L	1000	1144	
MNWD - 3A	7/6/2021	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - RTP	8/12/2021	TDS	12-Month	mg/L	1000	1143	
SOCWA - RTP	8/12/2021	TDS	Daily Maximum	mg/L	1100	1210	
SOCWA - RTP	8/12/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	8/12/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	8/12/2021	Iron	12-Month	mg/L	0.05	0.36	
MNWD - 3A	8/4/2021	TDS	12-Month	mg/L	1000	1153	
MNWD - 3A	8/4/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	9/23/2021	TDS	12-Month	mg/L	1000	1147	
SOCWA - RTP	9/23/2021	TDS	Daily Maximum	mg/L	1100	1160	
SOCWA - RTP	9/23/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	9/23/2021	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - 3A	9/6/2021	TDS	12-Month	mg/L	1000	1160	
MNWD - 3A	9/6/2021	Manganese	12-Month	mg/L	0.05	0.07	
TCWD - RRWRP	9/7/2021	TDS	12 month	mg/L	1000	1070	
TCWD - RRWRP	9/7/2021	Nitrate	Quarterly	mg/L	10	13.10	
SOCWA - RTP	10/14/2021	TDS	12-Month	mg/L	1000	1155	
SOCWA - RTP	10/15/2021	TDS	Daily Maximum	mg/L	1100	1260	
SOCWA - RTP	10/16/2021	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - CTP	10/17/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	10/4/2021	TDS	12-Month	mg/L	1000	1143	
MNWD - 3A	10/4/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	11/9/2021	TDS	12-Month	mg/L	1000	1143	

**2021 Compliance Summary Report
Recycled Water Permit**

SOCWA - RTP	11/9/2021	TDS	Daily Maximum	mg/L	1100	1240	
SOCWA - RTP	11/9/2021	Manganese	12-Month	mg/L	0.05	0.104	
SOCWA - CTP	11/9/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	offline	TDS	12-Month	mg/L	1000	1143	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Nov 30, 2021

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	1,000	971	903	876	1,143	1,169	981
Chloride	mg/L	375	236	213	203	240	221	265	215
Sulfate	mg/L	400	327	280	230	203	342	318	234
Sodium	mg/L	None	135	170	158	183	180	188	154
Alkalinity	mg/L	None	-	-	-	-		267	211
Adjusted SAR	Ratio	None	27.42	4.53	4.76	5.64	3.95	4.48	4.30
Iron	mg/L	0.3	0.066	0.031	0.130	0.008	0.14	0.330	0.127
Manganese	mg/L	0.05	0.007	0.028	0.040	0.009	0.07	0.104	0.069
MBAS	mg/L	0.5	ND	ND	ND	0.27	ND	<0.08	<0.10
Boron	mg/L	0.75	0.358	0.373	0.348	0.477	0.39	0.375	0.30
Fluoride	mg/L	None	0.60	0.720	0.50	0.56	0.96	0.88	0.77
Total Organic Carbon	mg/L	None	5.9	13.8	12.5	8.9	2.9	10.0	7.5

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

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

SOCWA Service Area
Recycled Water Production (ac-ft)
2021

Agency	Facility or Region	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	1.00	4.00	0.00	1.73	0.00	0.02	0.00	0.00	0.00		6.75
CSJC 2	Chiquita/SMWD	18.21	22.92	28.95	33.86	33.68	40.39	45.33	45.29	40.89	34.39	40.96		384.87
CSJC 3	Non-Domestic Wel	0.00	0.00	0.05	15.85	35.83	33.63	43.44	38.39	28.27	25.15	9.62		230.23
ETWD	Region 8	53.03	75.50	79.89	171.14	198.26	224.63	235.18	241.07	197.66	86.86	126.77		1690.00
IRWD														
4	IRWD - 8	66.48	39.90	59.73	129.00	147.62	174.11	200.63	207.97	182.33	118.35	97.28		1423.42
4	IRWD - 9	23.71	19.32	36.02	78.54	78.94	97.80	103.78	105.81	103.65	62.89	49.80		760.28
SCWD	SOCWA CTP	68.70	42.73	52.98	106.27	98.15	114.17	147.38	153.59	141.93	62.81	60.30		1049.01
MNWD	JRP	151.70	275.99	386.65	551.51	567.82	536.90	625.01	589.96	539.14	437.01	520.94		5182.63
	3-A Plant	59.99	0.00	0.00	5.83	143.27	142.88	150.43	148.30	135.57	120.65	0.00		906.92
5	CTP	29.42	2.50	2.92	10.48	6.02	26.07	10.17	20.90	22.14	-7.43	-37.25		85.94
SMWD	Oso Creek	148.61	121.98	141.01	126.41	145.30	141.66	149.28	150.23	136.80	149.47	127.91		1538.66
	Chiquita	438.61	284.46	285.90	454.13	507.69	472.52	477.73	485.13	463.31	470.46	462.02		4801.95
	Nichols	1.61	1.50	1.71	1.67	1.89	2.00	2.24	1.98	1.91	1.60	1.41		19.53
TCWD	RRWRP	50.41	43.87	52.48	49.01	46.43	43.01	47.15	46.90	44.68	46.59	45.79		516.31
TOTALS		1110.47	930.66	1129.30	1737.71	2010.88	2051.50	2237.76	2235.55	2038.27	1608.82	1505.57		18596.49

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

Agenda Item

6.F.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: December 2021 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

A nine (9) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculation 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 to the ocean each month and for the last 12 months. This data is presented for the agencies planning reuse projects to better understand the potential to expand water reuse in their service area.

3. Quarterly Report on Key Operational Expenses

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

4. Beach Ocean Monitoring Report

5. Recycled Water Report

6. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report December, 2021

Excursion, Complaint, and Violation Events

Events	CTP	RTP	JBL	Totals
Odor	0	1	0	1
Noise	0	0	0	0
Spills	0	0	0	0
Violations	0	1(1)	0	1
Others	0	0	0	0

(1) Methane gas release from tree falling on gas line during December storm.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.56	7.68	6.14	0.97	17.34
Effluent (mgd)	2.56	4.37	6.14	2.42	15.49
Peak Flow (mgd)	7.37	18.71	11.36	7.60	45.04
Influent BOD (mg/l)	235	286	303	416	
Influent TSS (mg/l)	332	304	539	496	
Effluent BOD (mg/l)	8.1	5.3	10.8	9.4	
Effluent TSS (mg/l)	8.6	6.9	14.9	11.7	
Effluent Turbidity (NTU)	4.0	4.4	7.8	5.2	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.18	3.31		3.49
Days of Operation (days)	10	31		
Total Flow (million gallons)	5.5	102.7		108.2
Plant Irrigation (million gallons)	0.00	0.02	0.27	
AWT Time Online (%)	100.0	97.0		

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 December, 2021 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		782.9	0.0	782.9
Nursery Products (tons)		347.2	669.8	1,017.0
Prima Deshecha (tons)		38.5	305.2	343.6
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,168.5	975.0	2,143.5

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	78	317	191	586
Corrective Maintenance	21	93	204	318

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	1	1
Member Agency	0	1	0	1
Residents	0	0	0	0
Others	5	3	12	20
Tours #/Visitors	1	0	0	1

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	NA	NA	12.0

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	9.0	NA	NA	9.0
Utility Power Purchase (kWh)	186,871	41,928	143,443	372,242
Cogen Power (kWh)		606,239	575,462	1,181,701
Natural Gas (Dth)	55		1,580	1,635
Digester Gas to Engine (scfm)		8,739,157	4,546,729	13,285,886
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		265,771	204,347	470,118
Digester Gas Power Savings		\$77,387		

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 December, 2021 (cont'd)

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

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.437	55.24%				1.44
EBSD	0.065	2.49%				0.06
SCWD	1.100	42.28%		1.620	22.80%	2.72
MNWD	0.000	0.00%	7.68	1.400	19.71%	9.08
CSJC				2.165	30.47%	2.17
SMWD				1.919	27.02%	1.92
Total	2.602	100.00%	7.68	7.105	100.00%	17.39

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.44	9.50%	1.44	
EBSD				0.06	0.43%	0.06	
SCWD	1.86	15.03%		1.01	6.71%	2.87	Includes Desalters
MNWD	2.95	23.90%		4.37	28.89%	7.32	
ETWD				3.38	22.34%	3.38	Direct Outfall Only
CSJC	2.46	19.88%				2.46	Includes Desalter
SMWD	1.96	15.87%				1.96	Includes Chiquita
CSC	3.13	25.32%				3.13	Direct Outfall Only
IRWD				4.86	32.14%	4.86	Direct Outfall Only
Total	12.36	100.00%	17.46	15.13	100.00%	27.49	

SOCWA Operational Report December, 2021 (cont'd)

FY Flow/Solids Summary-Billing

Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSJC	4.00	30.77%	2.140	24.41%	2.165	30.47%	2.23	31.74%
MNWD	3.00	23.08%	1.400	15.97%	1.400	19.71%	1.40	19.97%
SCWD	3.75	28.85%	1.805	20.59%	1.620	22.80%	1.65	23.60%
SMWD	2.25	17.31%	3.421	39.03%	1.919	27.02%	1.73	24.69%
Total	13.00	100.00%	8.766	100.00%	7.105	100.00%	7.01	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	6,046	22.86%	6,178	20.23%	6,345	24.35%
MNWD	8,340	21.62%	5,612	21.22%	7,785	25.49%	6,453	24.77%
SCWD	7,715	20.00%	6,238	23.59%	5,902	19.32%	6,123	23.50%
SMWD	10,946	28.38%	8,548	32.32%	10,674	34.95%	7,135	27.38%
Total	38,573	100.00%	26,444	100.00%	30,538	100.00%	26,056	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	3.130	25.32%	2.493	23.11%
CSJC	11.08%	8.860	11.08%	2.457	19.88%	2.632	24.40%
MNWD(3)	15.51%	12.410	15.51%	2.954	23.90%	2.010	18.64%
SCWD	12.46%	9.970	12.46%	1.858	15.03%	1.888	17.50%
SMWD	44.32%	35.460	44.33%	1.961	15.87%	1.763	16.35%
Total	100.00%	80.000	100.00%	12.361	100.00%	10.786	100.00%

(1) Influent billing meter summary:

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

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

(3) All monthly flow data for 3A is reported as part of MNWD's flow to the ocean outfall.

SOCWA Operational Report December, 2021 (cont'd)

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

Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.599	56.52%	1.437	55.24%	1.460	52.90%
EBSD	0.20	2.99%	0.080	2.83%	0.065	2.49%	0.065	2.35%
SCWD	2.00	29.85%	1.150	40.65%	1.100	42.28%	1.235	44.74%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.829	100.00%	2.602	100.00%	2.760	100.00%

Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.00776	0.0993%	0.0000	0.0157	0.0157	0.2007%	0.0138	0.1821%
EBSD	0.00001	0.0001%	0.0000	0.0007	0.0007	0.0090%	0.0006	0.0081%
SCWD	0.00345	0.0442%	0.0000	0.0120	0.0120	0.1536%	0.0117	0.1537%
ETWD	0.01472	0.1884%	0.0000	0.0181	0.0181	0.2319%	0.0164	0.2165%
MNWD	7.78597	99.6679%	7.6829	0.0705	7.7535	99.4047%	7.5517	99.4396%
Total	7.81191	100.0000%	7.6829	0.1170	7.7999	100.0000%	7.5943	100.0000%

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

SOCWA Operational Report December, 2021 (cont'd)

FY Flow/Solids Summary (cont'd)

Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	5,133	14.82%	149,074	13.38%	135,846	12.39%
EBSD	295	0.59%	320	0.92%	6,709	0.60%	6,053	0.55%
SCWD	4,480	8.96%	2,803	8.09%	114,101	10.24%	114,644	10.46%
ETWD	10,200	20.41%	5,282	15.25%	172,288	15.47%	160,248	14.62%
MNWD	29,395	58.82%	21,107	60.92%	671,846	60.31%	679,393	61.98%
Total	49,975	100.00%	34,645	100.00%	1,114,018	100.00%	1,096,183	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.00%	5.500	11.00%	1.437	9.50%	1.460	17.69%
EBSD	0.78%	0.390	0.78%	0.065	0.43%	0.065	0.79%
ETWD	16.30%	8.151	16.30%	3.379	22.34%	2.004	24.27%
IRWD	15.76%	7.880	15.76%	4.861	32.14%	2.139	25.91%
MNWD	43.85%	21.924	43.85%	4.370	28.89%	2.121	25.70%
SCWD	12.31%	6.155	12.31%	1.014	6.71%	0.465	5.64%
Total	100.00%	50.000	100.00%	15.126	100.00%	8.255	100.00%

SOCWA Operational Report December 2021 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Digester cleaning continued.

Replaced gas blower on Digester #4, which had failed due to a warped bearing.

Repaired exhaust system on the Backup Generator, which was failing due to corrosion.

Replaced RAS Pump #5, which had the mechanical seal fail, damaging the pump.

Cleaned Digester #4 Flame Arrestors, which had become clogged with siloxane buildup.

CTP - PC15

Supported Digester cleaning at JBL.

Replaced coolant hoses on Emergency Generator, which had become dry and brittle.

Performed confined space entry for Chlorine Contact Tank and removed sand buildup during Winter shutdown.

Replaced lost sand in all AWT cells during Winter shutdown.

Upgraded Solar Gate battery to accommodate additional foggy days where the solar panels have limited ability to recharge the batteries.

Entered West Primary #3 and cleaned out hoppers, which had become clogged with rags.

Cleaned debris out of the West Primary Scum troughs that built up during construction.

Replaced West Secondary #2 collector drive sprocket, which was failing due to wear over time.

Refurbished both fans in Aeration Blower Building to improve air intake and exhaust for better climate control.

RTP - PC17

Supported Digester cleaning at JBL.

Cleaned out Primary Influent Channels Nos. #1, #2, and #3, which were full of various debris.

Performed emergency repairs to the digester gas line, which was crushed by a fallen tree during a Winter storm.

Re-piped and installed a new concrete pad for an ETM Air-Vac in Aliso Viejo that was broken off on private property.

Repaired Screenings Conveyor #2, which had failed due to a worn and broken pillow block bearing.

Replaced failing magnetic level sight glass on the bleach and caustic storage tanks for Scrubber #1.

Replaced Primary Sludge Pump #3, which had exceeded its useful life.

Replaced chain for Primary #3, which had become worn due to age and usage.

Support Services - ALL PC'S

Troubleshoot heat loop and screen additions for Package B Construction Project.

Coordinated SET Panel upgrade and relocation startup project at RTP.

Replaced failed flowmeter for AWT applied flow at RTP, damaged during the December storms.

Troubleshoot Headworks interior lighting ballast at RTP.

SOCWA Operational Report December 2021 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Replaced failed circuit board for Primary Gallery lighting at RTP.
Troubleshoot misaligned speed sensor for Headworks Conveyor at RTP.
Replaced failed VFD for AWT Bleach Pump #3 at CTP.
Performed upgrades on internal firmware on Hydro Ranger on top of Effluent Tank at CTP.
Troubleshoot the methane sensor inside the Equalization Tank at CTP.
Replaced failing Aeration Tank #7 sump pump control panel at JBL.
Calibrated Waste Gas Burner flowmeter, which had failed at JBL.
Performed repairs on Centrifuge Diverter Gate air compressor at JBL.
Troubleshoot loss of power to Effluent Conductivity Meter at JBL.
Relocated Centrifuge #1 polymer high temp sensor, which was causing shutdowns at JBL.
Replaced 4 Side RSP bubbler compressor and switch which had failed at JBL.
Replaced failing circuit for the Building 40 Exhaust Fan at JBL.

Items with a (*) have been identified as preventable repairs.

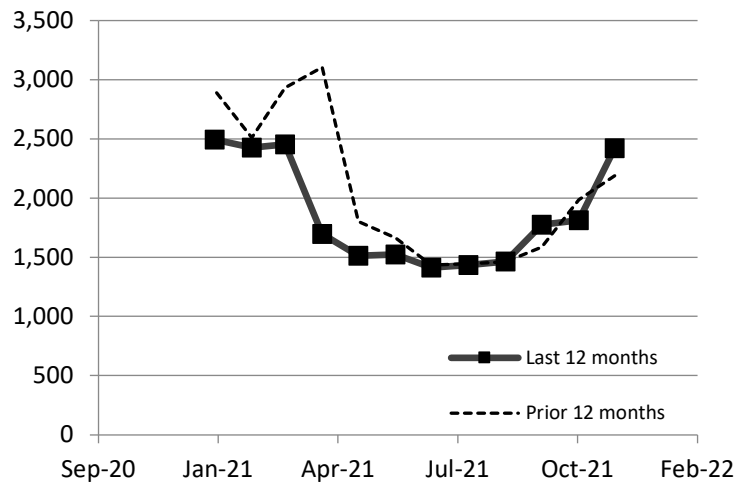
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report December, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.44	9.50%	1.44
EBSD			0.06	0.43%	0.06
SCWD	1.86	15.03%	1.01	6.71%	2.87
MNWD	2.95	23.90%	4.37	28.89%	7.32
ETWD			3.38	22.34%	3.38
CSJC	2.46	19.88%			2.46
SMWD	1.96	15.87%			1.96
CSC	3.13	25.32%			3.13
IRWD			4.86	32.14%	4.86
Total	12.36	100.00%	15.13	100.00%	27.49
	or Acre-Feet per year equivalent				30,785

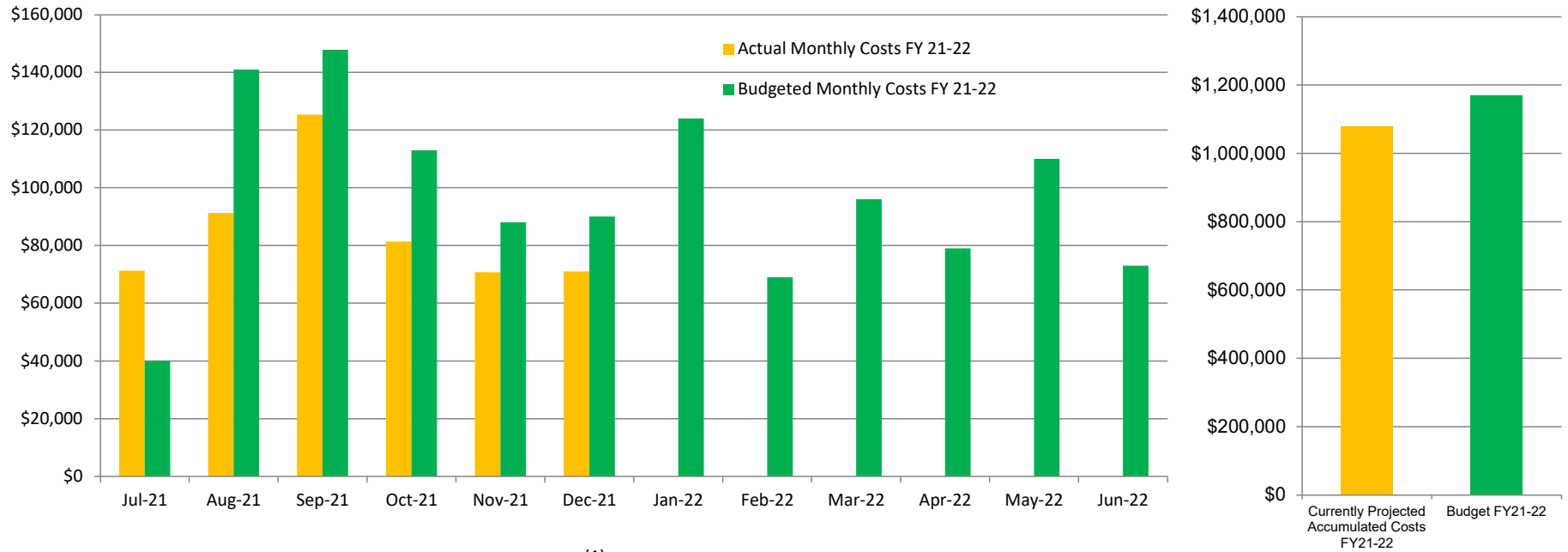
12-Month Running Total Discharge to Ocean Outfalls (AF)

Dec-21	2,420
Nov-21	1,813
Oct-21	1,773
Sep-21	1,464
Aug-21	1,433
Jul-21	1,412
Jun-21	1,523
May-21	1,512
Apr-21	1,696
Mar-21	2,453
Feb-21	2,425
Jan-21	2,495
Total	22,420



Quarterly Report on Key Operational Expenses

Electricity (5002) Costs

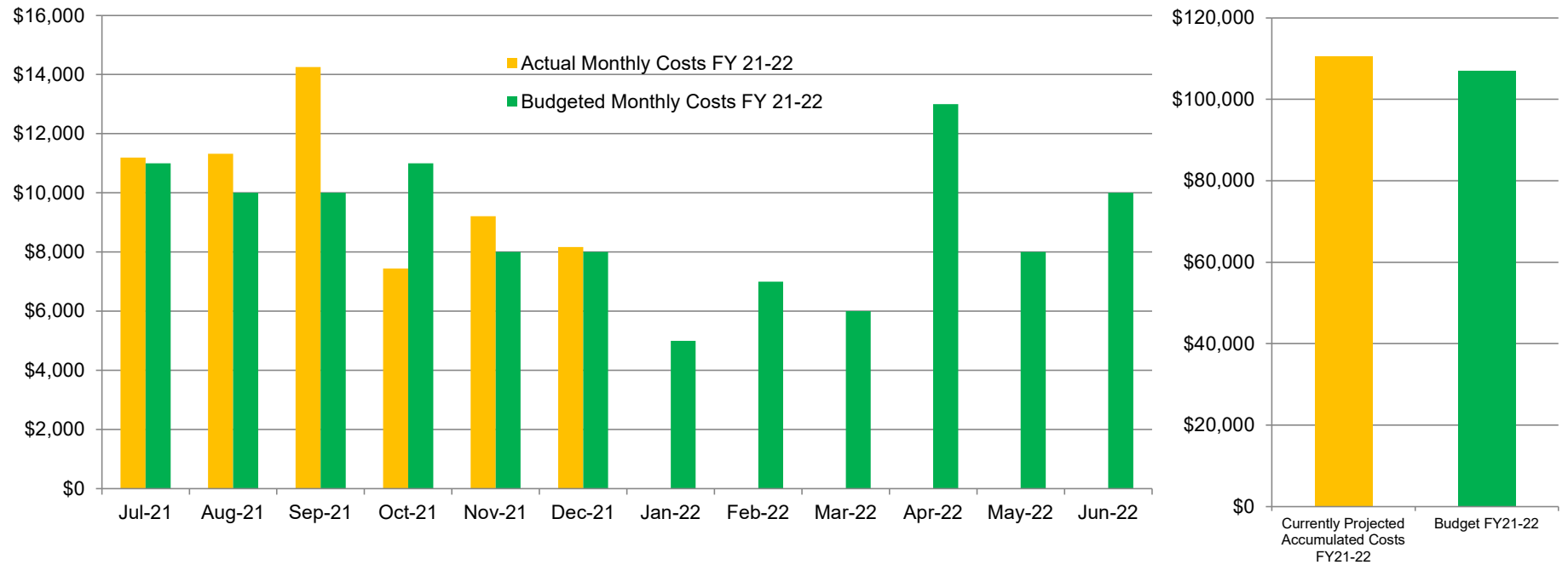


(1)

	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Currently Projected Accumulated Costs FY21-22	\$1,078,924
Actual Monthly Costs FY 21-22	\$71,259	\$91,257	\$125,352	\$81,386	\$70,668	\$71,004							Budget FY21-22	\$1,170,780
Budgeted Monthly Costs FY 21-22	\$40,000	\$141,000	\$147,780	\$113,000	\$88,000	\$90,000	\$124,000	\$69,000	\$96,000	\$79,000	\$110,000	\$73,000	Currently Projected Under(+)/Over (-) Budget	\$91,856

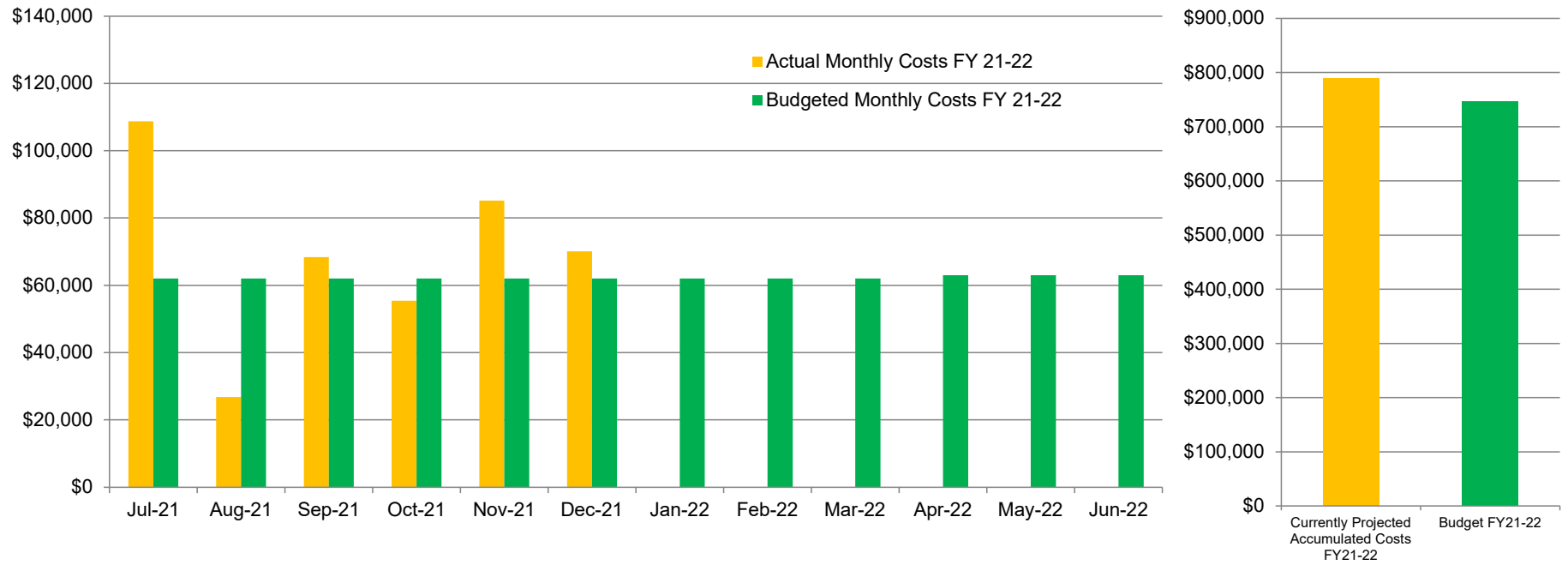
(1) PC-17-RTP was issued a billing correction by SCE of \$140k at the end of December 2021 that will be applied to upcoming 2022 billings.

Odor Control (5009) Costs



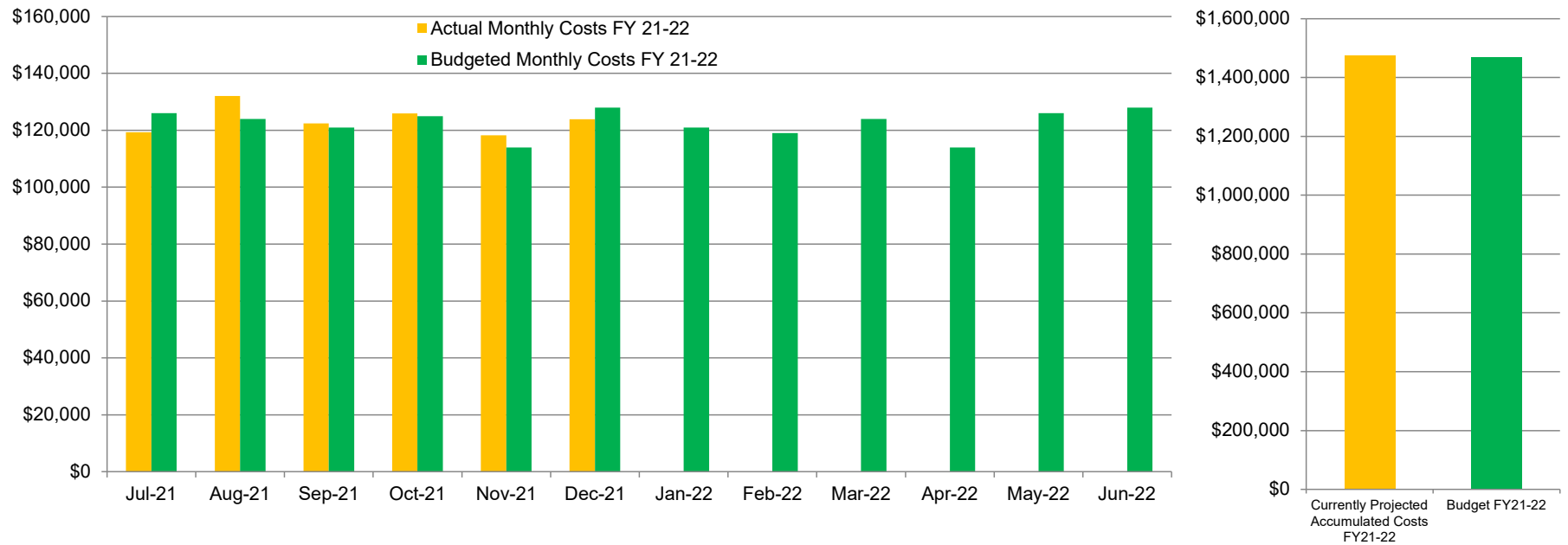
	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Currently Projected Accumulated Costs FY21-22	\$110,564
Actual Monthly Costs FY 21-22	\$11,185	\$11,319	\$14,252	\$7,436	\$9,209	\$8,162							Budget FY21-22	\$107,000
Budgeted Monthly Costs FY 21-22	\$11,000	\$10,000	\$10,000	\$11,000	\$8,000	\$8,000	\$5,000	\$7,000	\$6,000	\$13,000	\$8,000	\$10,000	Currently Projected Under(+)/Over (-) Budget	-\$3,564

Polymer (5007) Costs



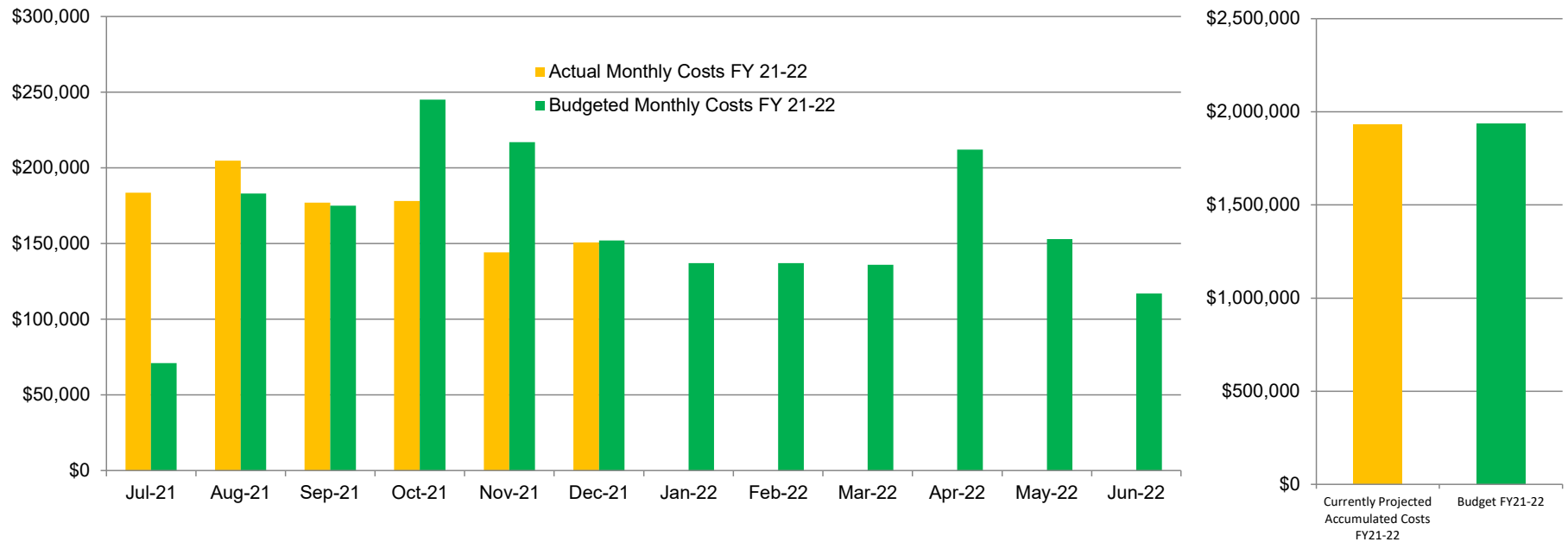
	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Currently Projected Accumulated Costs FY21-22	\$789,460
Actual Monthly Costs FY 21-22	\$108,707	\$26,765	\$68,354	\$55,408	\$85,141	\$70,085							Budget FY21-22	\$747,000
Budgeted Monthly Costs FY 21-22	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$63,000	\$63,000	\$63,000	Currently Projected Under(+)/Over (-) Budget	-\$42,460

Biosolids (5049) Costs



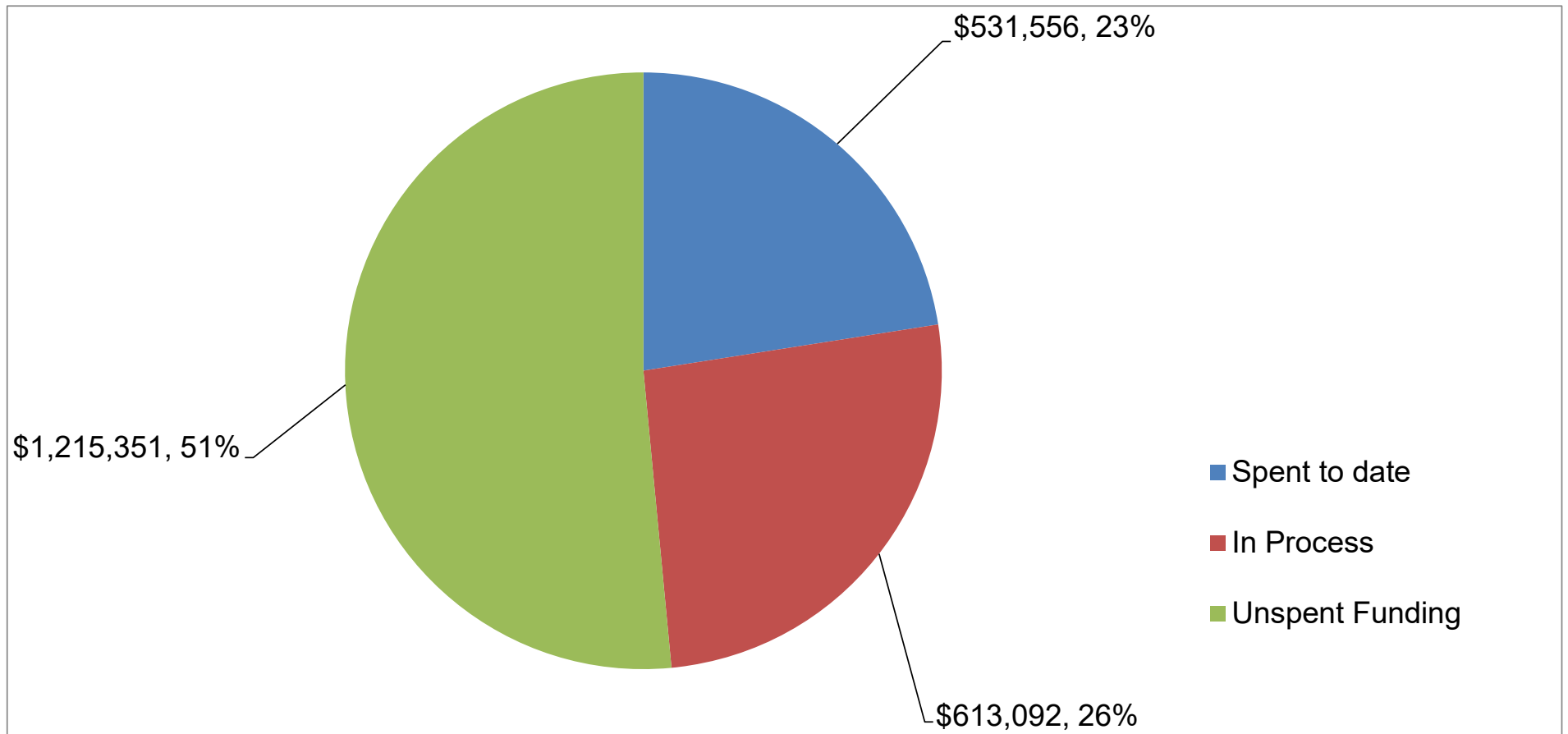
	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Currently Projected Accumulated Costs FY21-22	
Actual Monthly Costs FY 21-22	\$119,323	\$132,048	\$122,381	\$125,955	\$118,219	\$123,914							Budget FY21-22	\$1,470,000
Budgeted Monthly Costs FY 21-22	\$126,000	\$124,000	\$121,000	\$125,000	\$114,000	\$128,000	\$121,000	\$119,000	\$124,000	\$114,000	\$126,000	\$128,000	Currently Projected Under(+)/Over (-) Budget	-\$3,841

Maintenance Repair (5056 to 5060) Costs



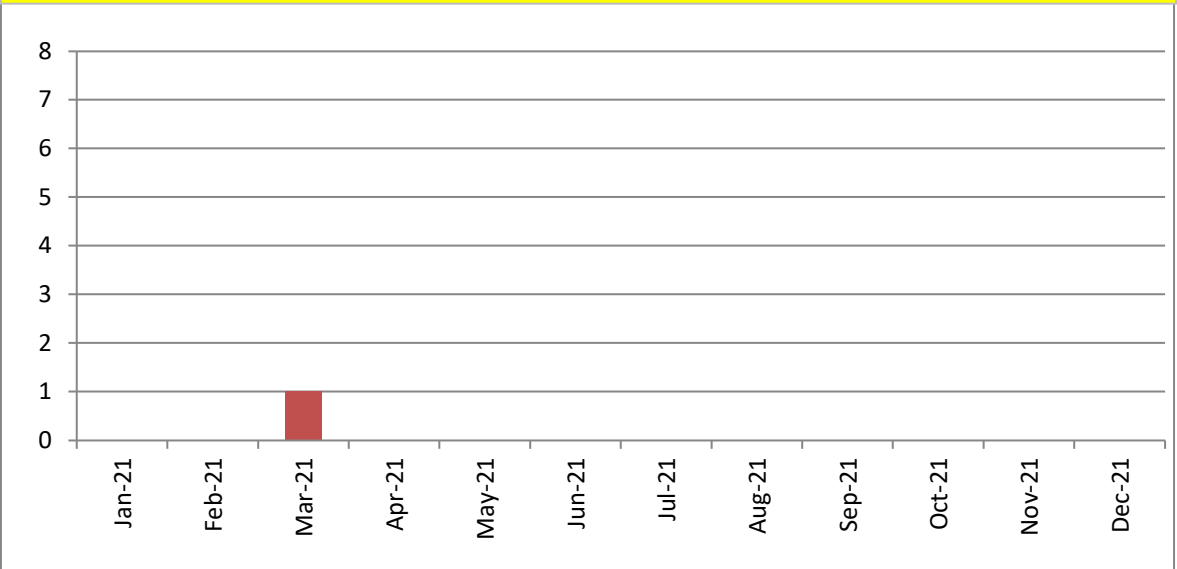
	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Currently Projected Accumulated Costs FY21-22	\$1,930,564
Actual Monthly Costs FY 21-22	\$183,626	\$204,737	\$177,069	\$178,182	\$144,148	\$150,802							Budget FY21-22	\$1,935,000
Budgeted Monthly Costs FY 21-22	\$71,000	\$183,000	\$175,000	\$245,000	\$217,000	\$152,000	\$137,000	\$137,000	\$136,000	\$212,000	\$153,000	\$117,000	Currently Projected Under(+)/Over (-) Budget	\$4,436

FY21-22 Small Internal Capital Costs



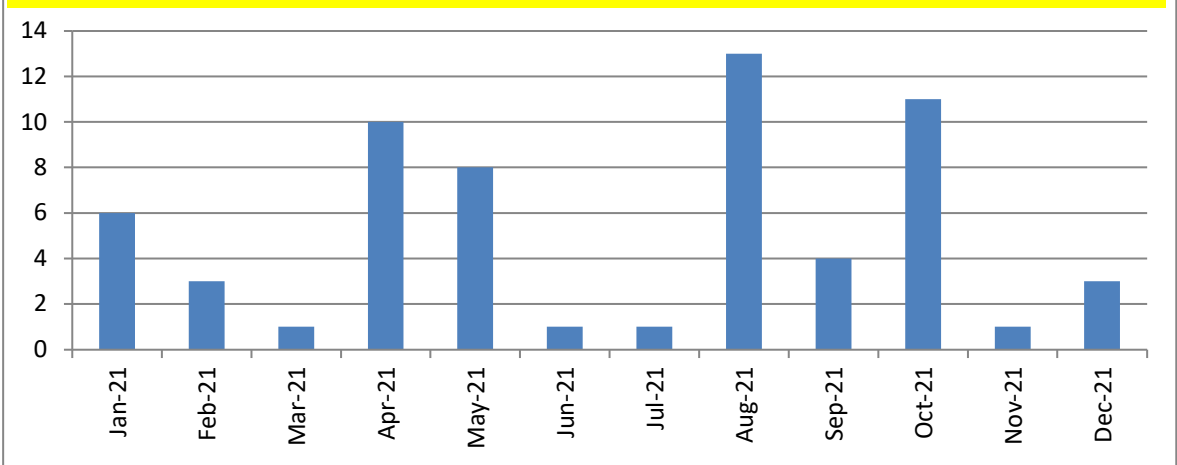
SOCWA SAFETY UPDATE - JANUARY 3, 2022

OSHA RECORDABLE INJURIES



	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
OSHA RECORDABLE INJURIES	0	0	1	0	0	0	0	0	0	0	0	0

NEAR MISS REPORTS



	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
NEAR MISS REPORTS	6	3	1	10	8	1	1	13	4	11	1	3

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
Oct '21 - Annual Audiometric Hearing Testing and Wildfire Safety/Wildfire Smoke Safety Training	85%
Sept '21 - Lifting Safety Do's and Don'ts Training (with CSRMA, completed remotely)	90%
Sept '21 - Annual Bloodborne Pathogen Training (Completed remotely)	90%
Aug '21 - Initial and Annual Refresher Confined Space Entry Rescue Training	100%
Aug '21 - Electrical Safety in the Workplace Training (Support Services Employees)	100%
July '21 - Annual 8-HR HAZWOPER Refresher Training and Initial CPR/First Aid/AED Training	90%
Feb '21 - Annual Fire Extinguisher Use Training / March '21 Annual Heat Illness Training	95%
Oct/Nov '20 - Forklift Training and Additional ICS Training	95%
Sept '20 - CPR/First Aid/AED Training (Refresher and Initial)	95% (of all SOCWA employees)
July '20 - Annual Fire Extinguisher Use Training	90%
June '20 - Annual 8-HR HAZWOPER Refresher Training (Covid-19 ECP Compliant)	95%
Apr '20 - Annual Bloodborne Pathogen Training (Completed remotely)	95% (of all SOCWA employees)
Mar '20 - Annual Heat Illness Training (Make-Up Training May 2020)	100% (including make-up training)
Feb '20 - Active Shooter/Workplace Violence Training	95%
Dec '19 - Annual Defensive Driving/Distracted Driving/DUIs Training (w/ CHP)	100%
Oct '19 - Fall Protection Training, Additonal ICS Training, and Spill Training	90%
Sept '19 - Wildland Fire Training and Additional CPR/First Aid/AED Training	90%
Aug '19 - Initial Confined Space Entry Rescue and Additional Active Shooter Training	95%
March '19 - Annual Respirator Fit Testing and PPE Use Training	95%
Feb '19 - Annual Bloodborne Pathogens Training and Additional Arc Flash Training	95%
Dec '18 - Annual Defensive Driving/Distracted Driving/DUIs Training (w/ CHP)	100%
September '18 - Silica Safety Training / October '18 - Crane Safety	100%
Aug '18 - Fire Awareness Safety for Field Personnel and Lockout/Tagout Training	100% (all SOCWA employees)
March '18 - CPR/First Aid/AED Training	100% (all SOCWA employees)
Jan '18 - Respiratory PPE Training/Fit Testing and Additional ICS Training	90%
Sept '17 - Active Shooter/Workplace Violence Training	100%
July/August '17 - Spill Response Training (hands on training)	100%
May '17 - Safety Culture Training	100%
Mar '17 - Fall Protection Training and CPR/First Aid/AED Training	100%
Jan '17 - Lockout/Tagout Training and Confined Space Rescue Practice/Training	100%
Oct '16 - Confined Space Awareness/Entry Rescue Training and Forklift Training	100%
May '16 - Entry Level NIMS/ICS Training and Heat Illness Training	100%
Feb '16 - Biomechanics/Ergonomics Training (CSRMA) and Bloodborne Pathogen Training	100%
Oct '15 and Jan '16 - Initial Confined Space Entry Rescue Training (3-day trainings)	100%
Sept '15 - Pre-Storm Workshop, Arc Flash Training, and Forklift Training	100%
Aug '15 - Fire Prevention for Water Utility Field Staff and Disaster Cost Recovery Training	100%
July '15 - Initiate additional NIMS/ICS Training, Attend Water and Power Resiliency Workshop	Ongoing
June '15 - Initial Confined Space Awareness and Non-Entry Rescue Training	100%

Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

December 2021

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	FLOW MGD	FLOW MGD	FLOW MGD	Fall inches
12/01/21	3.595	12.0	7.2	<0.3	1.664	8.0	3.4	0.1	0.960	9.9	3.0	0.1	2.375	17.9	9.0	0.1	0.778	0.602	0.130	10.104	0.01
12/02/21	3.334	9.7	6.9	<0.3	3.388	9.2	3.9	0.1	0.68	10.5	5.0	0.2	2.005	15.1	14.0	0.1	0.779	0.615	0.124	10.925	0.00
12/03/21	3.320	9.5	6.8	<0.3	1.990	10.8	4.4	0.1	0.880	6.5	4.0	0.2	2.221	16.9		<0.1	0.699	0.611	0.129	9.850	0.00
12/04/21	3.314	8.4		<0.3	2.730	7.6	3.7	0.1	0.970	9.9	6.0		2.305	11.8	21.0		0.779	0.602	0.113	10.813	0.00
12/05/21	3.322	8.6	8.3	<0.3	3.443	12.0		0.1	1.960	4.5	9.0	0.1	2.204	11.6		0.1	0.779	0.608	0.119	12.435	0.00
12/06/21	3.329	10.0	8.4	<0.3	2.983	12.4		0.1	4.100	5.4	6.0	<0.1	2.337	6.3	9.0	<0.1	0.778	0.611	0.120	14.258	0.01
12/07/21	3.453	9.8	7.9	<0.3	2.982	13.0	4.7	0.1	1.960	3.7	6.0	0.1	2.022	5.3	8.0	<0.1	0.779	0.607	0.126	11.929	0.01
12/08/21	3.451	12.0	7.4	<0.3	2.950	10.0	4.0	0.1	1.770	4.3	7.0	0.2	2.031	12.0	14.0	<0.1	0.779	0.601	0.143	11.725	0.00
12/09/21	3.446	11.0	6.6	<0.3	6.144	11.6	3.9	0.1	5.150	6.5	7.0	0.3	2.321	11.7	11.0	0.1	0.778	0.607	0.153	18.599	0.07
12/10/21	3.448	15.0	7.6	<0.3	3.433	10.4	3.4	<0.1	3.950	5.5	7.0	0.1	2.609	10.9	8.0	0.1	0.779	0.598	0.133	14.950	0.01
12/11/21	3.463	11.0		<0.3	3.156	11.8	4.1	0.1	3.290	4.4	7.0		2.620	10.5	10.0		0.779	0.598	0.001	13.907	0.01
12/12/21	3.465	14.0	11.0	<0.3	3.568	8.4		0.1	4.260	7.4	7.0	0.1	2.588	7.1	7.0	0.1	0.778	0.594	0.004	15.257	0.00
12/13/21	3.345	13.0	7.9	<0.3	3.448	7.8		0.1	5.080	5.2	5.0	<0.1	2.582	3.2	6.0	<0.1	0.779	0.595	0.003	15.832	0.02
12/14/21	3.839	8.2	6.3	<0.3	4.459	6.6	2.3	<0.1	5.500	6.1	2.0	0.2	1.264	10.6	7.0	0.1	0.779	0.607	0.006	16.454	1.05
12/15/21	5.924	9.0	7.0	<0.3	2.549	13.4	4.8	0.1	8.800	6.7	4.0	0.3	3.120	12.1	8.0	0.1	0.414	0.499	0.004	21.310	0.01
12/16/21	3.660	11.0	6.4	<0.3	3.322	3.4	1.8	0.1	4.580	6.3	5.0	0.1	2.674	8.9	10.0	0.1	0.343	0.551	0.003	15.133	0.01
12/17/21	3.448	11.0	7.6	<0.3	3.587	15.2	5.7	0.1	6.230	5.2	4.0	<0.1	2.704	5.9	4.0	0.1	0.651	0.549	0.003	17.172	0.01
12/18/21	3.433	15.0		<0.3	3.395	10.8	3.9	0.2	5.990	4.5	4.0		2.519	10.5	7.0		0.778	0.594	0.003	16.712	0.00
12/19/21	3.465	10.0	7.6	<0.3	4.394	13.8		0.1	6.080	5.2	5.0	0.1	2.613	6.5	7.0	0.1	0.779	0.582	0.003	17.916	0.01
12/20/21	3.345	12.0	8.2	<0.3	4.336	42.7		0.1	5.710	7.4	4.0	<0.1	2.622	3.1	4.0	<0.1	0.757	0.574	0.004	17.348	0.01
12/21/21	3.245	9.9	7.7	<0.3	3.310	19.0	8.1	0.1	5.180	6.1	4.0	0.2	2.652	4.3	5.0	<0.1	0.750	0.574	0.003	15.714	0.00
12/22/21	3.391	10.0	8.1	<0.3	2.926	20.0	6.8	0.1	4.600	5.6	8.0	0.2	2.554	7.6	6.0	0.2	0.750	0.584	0.003	14.808	0.00
12/23/21	3.606	17.0	9.7	<0.3	1.003	13.8	4.4	0.1	4.550	5.0	3.0	0.2	2.616	5.9	6.0	0.1	0.778	0.578	0.003	13.134	0.69
12/24/21	3.897	15.0		<0.3	3.891	15.2	6.2	0.1	5.620	10.4	5.0	0.2	2.863	7.2	7.0	0.2	0.778	0.568	0.003	17.620	0.36
12/25/21	3.857	18.0		<0.3	3.640	2.0	1.5	0.1	5.700	10.3	5.0		2.990	7.9	5.0		0.778	0.494	0.003	17.462	0.13
12/26/21	3.734	12.0	9.6	<0.3	3.589	1.9		0.2	4.880	6.8	4.0	0.3	2.720	7.3	7.0	0.2	0.770	0.482	0.007	16.182	0.16
12/27/21	3.437	8.0	8.6	<0.3	3.735	3.9		0.4	5.530	9.6	5.0	<0.1	2.833	6.1	7.0	0.1	0.764	0.442	0.003	16.744	0.08
12/28/21	3.411	16.0	13.0	<0.3	3.638	25.8	8.1	0.1	5.300	8.3	7.0	0.2	2.703	7.6	12.0	<0.1	0.500	0.444	0.003	15.999	0.01
12/29/21	3.545	14.0	13.0	<0.3	3.695	18.2	5.7	0.1	4.730	7.6	6.0	0.2	2.644	3.0	5.0	<0.1	0.640	0.441	0.002	15.697	0.26
12/30/21	3.608	22.0	13.0	<0.3	3.855	18.2	6.6	0.2	5.520	8.5	5.0	0.4	2.757	10.0	7.0	0.1	0.773	0.442	0.002	16.957	0.27
12/31/21	3.609	21.0		<0.3	3.556	16.8	5.7	0.1	5.950	10.1	5.0	0.5	2.925	2.5	3.0	0.1	0.773	0.494	0.005	17.312	0.00
AVG	3.572	12.4	8.5	<0.3	3.379	12.7	4.7	<0.1	4.370	6.9	5.3	<0.2	2.516	8.6	8.1	<0.1	0.729	0.560	0.044	15.170	
TOTAL	110.74				104.76				135.46				77.99				22.60	17.35	1.361	470.26	3.20

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1 2022
 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 0607

Weather: Fog

COMMENTS:

			Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage								
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water	H2O	Water	Water	
STA#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S3	12/01/21	0755	<10	<10	6	None	None	None	None	Green	58	Clear		
S4	12/01/21	1015	<10	<10	8	None	None	None	None	Green		Clear		
S5	12/01/21	1005	<10	<10	4	None	None	None	None	Green		Clear		
S6	12/01/21	0945	<10	<10	4	None	None	None	None	Green		Clear		
WEST	12/01/21	0940	<10	<10	2	None	None	None	None	Green		Clear		
S7	12/01/21	0930	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/01/21	0920	<10	<10	2	None	None	None	None	Blue		Clear		
S9	12/01/21	0910	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	12/01/21	0905	<10	10	6	None	None	None	None	Green		Clear		
S10	12/01/21	0845	<10	20	6	None	None	None	None	Green		Clear		
S11	12/01/21	0830	<10	10	10	None	None	None	None	Green		Clear		
S12	12/01/21	0820	<10	15	4	None	None	None	None	Green		Clear		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 1019

Weather: Rain

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	12/07/21	0755	<10	<10	<2	None	None	None	None	Green	57	Clear		
S4	12/07/21	1010	<10	<10	<2	None	None	None	None	Green		Clear		
S5	12/07/21	0950	<10	<10	<2	None	None	None	None	Green		Clear		
S6	12/07/21	0935	<10	<10	2	None	None	None	None	Green		Clear		
WEST	12/07/21	0930	<10	<10	2	None	None	None	None	Green		Clear		
S7	12/07/21	0925	<10	10	<2	None	None	None	None	Green		Clear		
S8	12/07/21	0915	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	12/07/21	0900	<10	10	<2	None	None	None	None	Green		Clear		
ACM1	12/07/21	0855	<10	40	2	None	None	None	None	Green		Clear		
S10	12/07/21	0835	<10	<10	<2	None	None	None	None	Green		Clear		
S11	12/07/21	0830	<10	10	<2	None	None	None	None	Green		Clear		
S12	12/07/21	0820	<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

#3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 0616

Weather: Clear

COMMENTS:

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	12/15/21	0755	110	40	70	None	None	None	None	Green	57	Clear		
S4	12/15/21	1020	60	<10	42	None	None	None	None	Green		Clear		
S5	12/15/21	1005	90	40	66	None	None	None	None	Green		Clear		
S6	12/15/21	0950	130	50	94	None	None	None	None	Green		Clear		
WEST	12/15/21	0945	120	80	110	None	None	None	None	Green		Clear		
S7	12/15/21	0935	120	20	100	None	None	None	None	Green		Clear		
S8	12/15/21	0925	120	80	110	None	None	None	None	Green		Clear		
S9	12/15/21	0915	>=3,800	1,200	>400	None	None	None	None	Brown		Turbid		
ACM1	12/15/21	0905	4,200	2,000	>400	None	None	None	None	Brown		Turbid	Flowing	
S10	12/15/21	0840	50	10	4	None	None	None	None	Green		Slightly Turbid		
S11	12/15/21	0830	80	30	20	None	None	None	None	Green		Clear		
S12	12/15/21	0820	75	35	34	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-Aliso Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 0840

Weather: Partly Cloudy

COMMENTS:

			Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage								
			CFU/100ml	CFU/100ml	CFU/100ml	Origin		Oil &		Water	H2O	Water	Water	
STA#	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S3	12/20/21	0800	<10	<10	<2	None	None	None	None	Green	57	Clear		
S4	12/20/21	1015	20	<10	<2	None	None	None	None	Green		Clear		
S5	12/20/21	0955	<10	<10	2	None	None	None	None	Green		Clear		
S6	12/20/21	0935	20	<10	2	None	None	None	None	Green		Clear		
WEST	12/20/21	0930	<10	<10	<2	None	None	None	None	Green		Clear		
S7	12/20/21	0925	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/20/21	0920	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	12/20/21	0905	10	20	4	None	None	None	None	Green		Clear		
ACM1	12/20/21	0900	20	20	44	None	None	None	None	Green		Clear		
S10	12/20/21	0840	<10	<10	<2	None	None	None	None	Green		Clear		
S11	12/20/21	0830	20	<10	4	None	None	None	None	Green		Clear		
S12	12/20/21	0820	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: December 2021
 REPORT DUE: February 1, 2022
 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 0952

Weather: Partly Cloudy

COMMENTS:

0

STA#	DATE	TIME	Total	Fecal	Entero-									
			Coliform	Coliform	coccus	Material of Sewage		Oil &	Odor	Water	H2O	Water	Water	
			CFU/100ml	CFU/100ml	CFU/100ml	Origin	Grease							
SM9222B	SM9222D	EPA 1600	Onshore	Offshore						Color	Temp(F)	Condition	Outlet	Birds
S3	12/27/21	0755	20	<20	2	None	None	None	None	Green	56	Clear	Flowing	
S4	12/27/21	1015	<20	<20	<2	None	None	None	None	Green		Clear		
S5	12/27/21	1005	<20	<20	2	None	None	None	None	Green		Clear		
S6	12/27/21	0950	<20	<20	<2	None	None	None	None	Green		Clear		
WEST	12/27/21	0945	<20	<20	<2	None	None	None	None	Green		Clear		
S7	12/27/21	0935	<20	<20	<2	None	None	None	None	Green		Clear		
S8	12/27/21	0925	<20	<20	<2	None	None	None	None	Blue		Clear		
S9	12/27/21	0905	80	20	44	None	None	None	None	Green		Slightly Turbid		
ACM1	12/27/21	0845	>=2600	480	1600	None	None	None	None	Green		Slightly Turbid		
S10	12/27/21	0835	20	<20	10	None	None	None	None	Green		Clear		
S11	12/27/21	0825	<20	<20	4	None	None	None	None	Green		Clear		
S12	12/27/21	0815	<20	<20	<2	None	None	None	None	Green		Clear		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: December 2021

REPORT FREQUENCY: Monthly

REPORT DUE: February 1, 2022

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 1130

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	12/08/21	2	<2	<2	0801	0	0	
A-1	Mid depth	12/08/21	<10	<10	<10				
A-2	Surface	12/08/21	2	<2	<2	0750	0	0	
A-2	Mid depth	12/08/21	<10	<10	<10				
A-3	Surface	12/08/21	<2	<2	<2	0753	0	0	
A-3	Mid depth	12/08/21	<10	<10	<10				
A-4	Surface	12/08/21	<2	<2	<2	0804	0	0	
A-4	Mid depth	12/08/21	<10	<10	<10				
A-5	Surface	12/08/21	4	8	<2	0758	0	0	
A-5	Mid depth	12/08/21	<10	<10	<10				
B-1	Surface	12/08/21	<2	<2	<2	0742	0	0	
B-1	Mid depth	12/08/21	<10	<10	<10				
B-2	Surface	12/08/21	<2	<2	<2	0810	0	0	
B-2	Mid depth	12/08/21	<10	<10	<10				
N1	Surface	12/08/21	<2	<2	<2	0824	0	0	
N2	Surface	12/08/21	4	<2	<2	0822	0	0	
N3	Surface	12/08/21	<2	<2	<2	0821	0	0	
N4	Surface	12/08/21	2	<2	<2	0820	0	0	
N5	Surface	12/08/21	8	<2	<2	0817	0	0	
N6	Surface	12/08/21	<2	<2	2	0816	0	0	
N7	Surface	12/08/21	<2	4	<2	0815	0	0	

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

**Compliance Summary Report
Aliso Creek Ocean Outfall 2021**

ACOO Permit Order No. R9-2012-0013							
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 - 2021
Order No. R9-2012-0013 ~ NPDES Permit No. CA0107611

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

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

December 2021

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
12/01/21	6.840	8.2	9.8	0.2	2.733	5.0	8.0	<0.1	0.071	1.5	2.2	0.3	1.549	16.6	9.8	ND	0.446	0.190	11.310	0.01
12/02/21	6.550	10.6	7.8	0.1	2.882	4.6	7.0	<0.1	0.006	1.6	2.5	<0.1	1.502	13.0	9.7	ND	0.446	0.188	11.100	0.00
12/03/21	6.450	11.9	9.5	<0.1	2.484	8.2	7.0	<0.1	0.015	1.7	2.6	<0.1	1.536	10.6	8.1	ND	0.446	0.192	11.120	0.00
12/04/21	6.310	9.8	15.1		2.598		8.0		0.019				1.505				0.445	0.187	11.200	0.00
12/05/21	6.340	13.8		0.1	2.791				0.000				1.526				0.444	0.187	11.460	0.00
12/06/21	6.240	29.6	22.4	<0.1	3.069	6.6	8.0	<0.1	0.016	1.9	6.1	<0.1	1.516	14.8	9.6	ND	0.442	0.191	11.760	0.01
12/07/21	6.300	12.3	11.3	<0.1	2.680	6.1	6.0	<0.1	0.024	1.7	6.9	<0.1	1.469	12.4	8.4	ND	0.170	0.173	10.870	0.01
12/08/21	6.120	14.0	11.9	0.1	2.787	6.2	10.0	<0.1	0.038	2.8	3.0	0.1	0.796	12.4	9.2	ND	0.000	0.187	10.610	0.00
12/09/21	6.960	36.4	18.4	0.2	2.791	5.0	7.0	<0.1	0.026	1.8	2.2	<0.1	1.537				0.000	0.189	10.740	0.07
12/10/21	5.790	12.6	7.1	0.2	2.709	5.1	8.0	<0.1	0.018	2.3	2.0	<0.1	1.580	8.6	7.2	ND	0.000	0.187	10.370	0.01
12/11/21	6.110	8.2	7.7		2.450		7.0		0.000				1.512	14.2	9.6	ND	0.000	0.191	10.700	0.01
12/12/21	6.470	11.2	10.3	<0.1	3.061				0.000				1.554				0.000	0.179	10.740	0.00
12/13/21	6.340	17.1	14.6	<0.1	2.613	5.6	6.0	<0.1	0.014	1.5	6.5	<0.1	1.534	18.2	10.6	ND	0.000	0.011	10.780	0.02
12/14/21	6.280	12.5	7.6	0.1	3.201	5.4	7.0	<0.1	0.265	1.6	7.0	<0.1	1.887	13.0	10.6	ND	0.000	0.075	10.680	1.05
12/15/21	7.400	12.1	8.0	0.2	3.156	5.6	5.0	<0.1	0.481	3.6	2.5	<0.1	1.567	16.2	11.8	ND	0.000	1.111	13.290	0.01
12/16/21	6.450	14.2	10.7	0.2	3.148	5.9	6.0	<0.1	0.007	6.0	2.2	<0.1	1.486	10.8	8.2	ND	0.000	1.016	13.270	0.01
12/17/21	6.130	12.6	8.2	0.1	3.482	7.2	6.0	<0.1	0.015	2.1	1.8	<0.1	1.574	12.6	9.2	ND	0.134	0.373	12.320	0.01
12/18/21	6.220	11.9	8.5		3.399				0.000				1.524				0.427	0.183	12.770	0.00
12/19/21	6.180	12.9	13.0	<0.1	3.752				0.000				1.507				0.427	0.179	11.640	0.01
12/20/21	6.240	12.4	8.7	<0.1	3.105	6.3	7.0	<0.1	0.006	1.8	6.8	<0.1	1.556	13.0	7.9	ND	0.427	0.179	12.020	0.01
12/21/21	6.280	11.2	6.3	<0.1	3.496	6.2	8.0	<0.1	0.054	1.8	6.2	<0.1	1.523	15.2	12.2	ND	0.425	0.176	11.970	0.00
12/22/21	6.290	11.3	6.3	<0.1	3.162	6.5	8.0	<0.1	0.021	3.2	2.8	1.0	1.567	10.2	8.5	ND	0.422	0.187	11.900	0.00
12/23/21	6.140	11.2	7.6	0.1	3.276	10.8	8.0	<0.1	0.021	3.8	4.1	<0.1	1.808	12.8	8.6	ND	0.467	0.180	12.060	0.69
12/24/21	7.760	11.1	8.3	0.1	4.220	7.4	6.0	<0.1	0.017	2.5	2.9	<0.1	1.756	10.2	8.8	ND	0.460	0.184	14.010	0.36
12/25/21	7.490	17.2	12.4		3.231				0.001				1.514				0.428	0.180	13.730	0.13
12/26/21	6.560	11.6	9.7	0.2	3.783				0.000				1.610				0.432	0.180	12.260	0.16
12/27/21	7.170	16.2	12.2	0.1	3.319	6.2	6.0	<0.1	0.022	2.4	7.6	<0.1	1.627	24.6	13.5	ND	0.433	0.183	12.950	0.08
12/28/21	6.910	12.8	8.9	<0.1	3.338	8.3	7.0	<0.1	0.036	2.6	8.3	<0.1	1.555	23.6	15.0	ND	0.433	0.179	12.760	0.01
12/29/21	6.580	12.3	8.0	0.1	3.168	9.4	7.0	<0.1	0.067	3.1	1.9	<0.1	1.654	22.6	14.0	ND	0.433	0.179	12.250	0.26
12/30/21	6.510	12.8	8.0	0.2	3.528	8.6	8.0	<0.1	0.018	4.4	3.8	<0.1	1.697	20.2	11.6	ND	0.434	0.184	12.690	0.27
12/31/21	7.120	14.3	11.4	0.3	3.620	8.6	9.0	<0.1	0.017	2.4	3.7	<0.1	1.661	13.6	9.4	ND	0.435	0.180	13.310	0.00
AVG	6.533	13.7	10.3	<0.1	3.130	6.7	7.2	<0.1	0.042	2.5	4.2	<0.1	1.554	14.8	10.1	ND	0.292	0.237	11.892	
TOTAL	202.530				97.032				1.295				48.189				9.056	7.360	368.640	3.20

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 0929

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	12/06/21	0900	<20	40	<2	None	None	None	None	Green	63	Turbid			
S1	12/06/21	0909	<20	<20	<2	None	None	None	None	Green		Turbid			
S2	12/06/21	0845	<20	<20	<2	None	None	None	None	Green		Turbid			
DSB5	12/06/21	0830	80	20	30	None	None	None	None	Green		Turbid			
S3	12/06/21	0911	<20	20	<2	None	None	None	None	Green		Turbid			
DSB4	12/06/21	0911	20	20	<2	None	None	None	None	Green		Turbid			
S5	12/06/21	0915	<20	<20	8	None	None	None	None	Green		Turbid			
DSB1	12/06/21	0930	<20	<20	<2	None	None	None	None	Green		Turbid			
SJC1	12/06/21	0901	<100	<100	<10	None	None	None	None	Green		Turbid			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 0510

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		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	12/13/21	857	<20	<20	2	None	None	None	None	Brown	55	Slightly Turbid			
S1	12/13/21	905	200	<20	20	None	None	None	None	Brown	58	Clear			
S2	12/13/21	823	<20	<20	<2	None	None	None	None	Green	58	Clear			
DSB5	12/13/21	807	200	<20	<2	None	None	None	None	Green	58	Clear			
S3	12/13/21	912	<20	<20	2	None	None	None	None	Green	58	Clear			
DSB4	12/13/21	915	20	<20	<2	None	None	None	None	Green	58	Clear			
S5	12/13/21	930	<20	<20	4	None	None	None	None	Brown	58	Slightly Turbid			
DSB1	12/13/21	936	<20	<20	2	None	None	None	None	Brown	58	Clear			
SJC1	12/13/21	827	<100	<100	<10	None	None	None	None	Brown	58	Clear			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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 0840

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		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	12/20/21	0843	20	40	26	None	None	None	None	Brown	58	Slightly Turbid			
S1	12/20/21	0904	<20	<20	12	None	None	None	None	Green	58	Clear			
S2	12/20/21	0833	60	<20	40	None	None	None	None	Brown	58	Slightly Turbid			
DSB5	12/20/21	0800	20	20	46	None	None	None	None	Brown	58	Slightly Turbid			
S3	12/20/21	0908	40	<20	10	None	None	None	None	Green	58	Clear			
DSB4	12/20/21	0909	20	<20	14	None	None	None	None	Green	58	Clear			
S5	12/20/21	0925	20	<20	2	None	None	None	None	Brown	58	Slightly Turbid			
DSB1	12/20/21	0930	<20	20	4	None	None	None	None	Green	58	Slightly Turbid			
SJC1	12/20/21	0855	100	<100	50	None	None	None	None	Green	58	Slightly Turbid		Flowing	

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2021
 REPORT DUE: February 1, 2022
 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

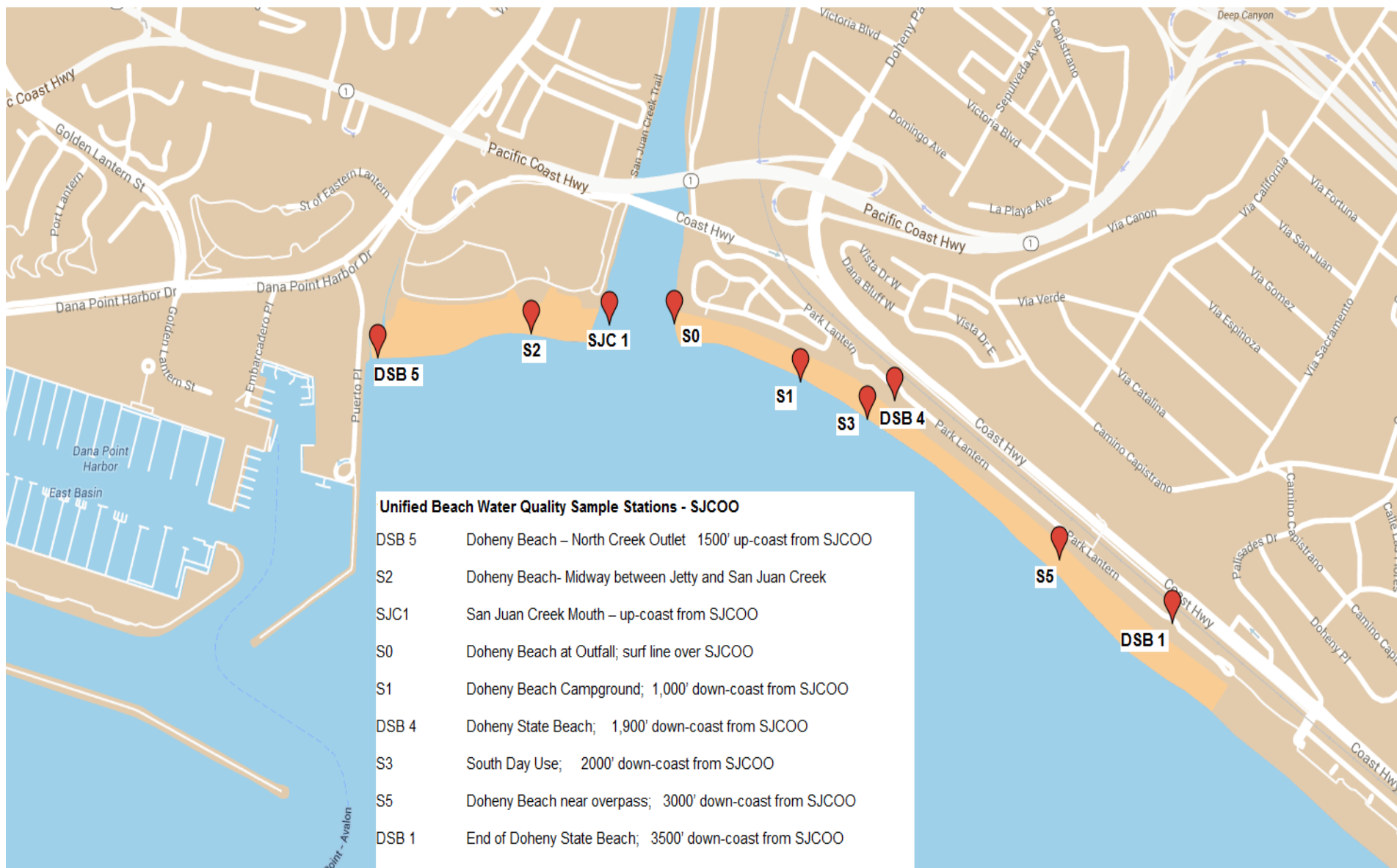
Tidal Condition: Low Tide 0952

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		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	12/27/21	0839	>=740	520	1,000	None	None	None	None	Brown	50	Clear	Clear		
S1	12/27/21	0910	<20	<20	8	None	None	None	None	Green	50	Clear	Clear		
S2	12/27/21	0815	200	20	52	None	None	None	None	Green	50	Clear	Clear		
DSB5	12/27/21	0753	>=760	200	300	None	None	None	None	Brown	50	Slightly Turbid	Slightly Turbid	Flowing	
S3	12/27/21	0903	20	<20	10	None	None	None	None	Green	50	Clear	Clear		
DSB4	12/27/21	0900	60	<20	20	None	None	None	None	Green	50	Clear	Clear		
S5	12/27/21	0923	40	20	20	None	None	None	None	Green	50	Clear	Clear		
DSB1	12/27/21	0930	60	20	20	None	None	None	None	Green	50	Clear	Clear		
SJC1	12/27/21	0851	>=1,800	400	1,700	None	None	None	None	Green	50	Clear	Clear	Flowing	

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



San Juan Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

REPORT FOR: December 2021

REPORT FREQUENCY: Monthly

REPORT DUE: February 1, 2022

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 1130

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	12/08/21	2	<2	<2	0921	0	0	
A-1	Mid depth	12/08/21	<10	<10	<10				
A-2	Surface	12/08/21	<2	<2	<2	0924	0	0	
A-2	Mid depth	12/08/21	<10	<10	<10				
A-3	Surface	12/08/21	<2	<2	<2	0928	0	0	
A-3	Mid depth	12/08/21	<10	<10	<10				
A-4	Surface	12/08/21	<2	<2	<2	0936	0	0	
A-4	Mid depth	12/08/21	<10	<10	<10				
A-5	Surface	12/08/21	<2	<2	<2	0931	0	0	
A-5	Mid depth	12/08/21	<10	<10	<10				
B-1	Surface	12/08/21	<2	<2	<2	0915	0	0	
B-1	Mid depth	12/08/21	<10	<10	<10				
B-2	Surface	12/08/21	<2	<2	<2	0942	0	0	
B-2	Mid depth	12/08/21	<10	<10	<10				
N1	Surface	12/08/21	<2	2	<2	0906	0	0	
N2	Surface	12/08/21	2	<2	<2	0903	0	0	
N3	Surface	12/08/21	<2	<2	<2	0901	0	0	
N4	Surface	12/08/21	<2	<2	<2	0857	0	0	
N5	Surface	12/08/21	<2	<2	<2	0854	0	0	
N6	Surface	12/08/21	<2	<2	<2	0852	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.

**Compliance Summary Report
San Juan Creek Ocean Outfall 2021**

SJCOO Permit Order No. R9-2012-0012							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this monitoring period.							



SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2021
Order No. R9-2012-0012 ~ 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.							

Recycled Water Report

**2021 Compliance Summary Report
Recycled Water Permit**

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - RTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	1/7/2021	TDS	12-Month	mg/L	1000	1141	
SOCWA - RTP	1/7/2021	Iron	12-Month	mg/L	0.30	0.47	
MNWD - 3A	1/11/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	1/11/2021	TDS	12-Month	mg/L	1000	1112	
SOCWA - CTP	1/7/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/2/2021	Manganese	12-Month	mg/L	0.05	0.13	
SOCWA - RTP	2/2/2021	TDS	12-Month	mg/L	1000	1170	
SOCWA - CTP	2/6/2021	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	3/2/2021	TDS	12-Month	mg/L	1000	1160	
SOCWA - CTP	3/2/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - CTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.05	
SOCWA - RTP	4/6/2021	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/6/2021	TDS	12-Month	mg/L	1000	1160	
MNWD - 3A	4/24/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	4/24/2021	TDS	12-Month	mg/L	1000	1260	
SOCWA - RTP	4/30/2021	Coliform	30 Day Mean	MPN/100mL	23	25.6	
MNWD - 3A	5/24/2021	TDS	12-Month	mg/L	1000	1130	
MNWD - 3A	5/24/2021	TDS	Daily Maximum	mg/L	1100	1110	
MNWD - 3A	5/24/2021	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - RTP	5/4/2021	Iron	12-Month	mg/L	0.3	0.34	
SOCWA - RTP	5/4/2021	TDS	12-Month	mg/L	1000	1138	
SOCWA - RTP	5/4/2021	TDS	Daily Maximum	mg/L	1100	1260	
SOCWA - RTP	5/4/2021	Manganese	12-Month	mg/L	0.05	0.11	
MNWD - 3A	5/24/2021	TDS	12-Month	mg/L	1000	1131	
MNWD - 3A	5/24/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	6/1/2021	Iron	12-Month	mg/L	0.3	0.36	
SOCWA - RTP	6/1/2021	TDS	12-Month	mg/L	1000	1140	

**2021 Compliance Summary Report
Recycled Water Permit**

SOCWA - RTP	6/1/2021	TDS	Daily Maximum	mg/L	1100	1210	
SOCWA - RTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
TCWD - RRWRP	6/17/2021	Iron	12-Month	mg/L	0.05	0.46	
SOCWA - RTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
SOCWA - RTP	7/1/2021	TDS	Daily Maximum	mg/L	1100	1140	
SOCWA - RTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
MNWD - 3A	7/6/2021	TDS	Daily Maximum	mg/L	1100	1130	
MNWD - 3A	7/6/2021	TDS	12-Month	mg/L	1000	1144	
MNWD - 3A	7/6/2021	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - RTP	8/12/2021	TDS	12-Month	mg/L	1000	1143	
SOCWA - RTP	8/12/2021	TDS	Daily Maximum	mg/L	1100	1210	
SOCWA - RTP	8/12/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	8/12/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	8/12/2021	Iron	12-Month	mg/L	0.05	0.36	
MNWD - 3A	8/4/2021	TDS	12-Month	mg/L	1000	1153	
MNWD - 3A	8/4/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	9/23/2021	TDS	12-Month	mg/L	1000	1147	
SOCWA - RTP	9/23/2021	TDS	Daily Maximum	mg/L	1100	1160	
SOCWA - RTP	9/23/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	9/23/2021	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - 3A	9/6/2021	TDS	12-Month	mg/L	1000	1160	
MNWD - 3A	9/6/2021	Manganese	12-Month	mg/L	0.05	0.07	
TCWD - RRWRP	9/7/2021	TDS	12 month	mg/L	1000	1070	
TCWD - RRWRP	9/7/2021	Nitrate	Quarterly	mg/L	10	13.10	
SOCWA - RTP	10/14/2021	TDS	12-Month	mg/L	1000	1155	
SOCWA - RTP	10/15/2021	TDS	Daily Maximum	mg/L	1100	1260	
SOCWA - RTP	10/16/2021	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - CTP	10/17/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	10/4/2021	TDS	12-Month	mg/L	1000	1143	
MNWD - 3A	10/4/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	11/9/2021	TDS	12-Month	mg/L	1000	1143	

**2021 Compliance Summary Report
Recycled Water Permit**

SOCWA - RTP	11/9/2021	TDS	Daily Maximum	mg/L	1100	1240	
SOCWA - RTP	11/9/2021	Manganese	12-Month	mg/L	0.05	0.104	
SOCWA - CTP	11/9/2021	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	offline	TDS	12-Month	mg/L	1000	1143	
MNWD - 3A	offline	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	12/2/2021	TDS	12-Month	mg/L	1000	1189	
SOCWA - RTP	12/2/2021	TDS	Daily Maximum	mg/L	1100	1220	
SOCWA - RTP	12/2/2021	Manganese	12-Month	mg/L	0.05	0.104	
SOCWA - CTP	12/2/2021	Manganese	12-Month	mg/L	0.05	0.068	
MNWD - 3A	offline	TDS	12-Month	mg/L	1000	1060	
MNWD - 3A	offline	Manganese	12-Month	mg/L	0.05	0.10	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Dec 31, 2021

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	1,011	974	913	898	1,143	1,189	982
Chloride	mg/L	375	238	213	200	265	221	265	215
Sulfate	mg/L	400	345	278	227	208	342	318	234
Sodium	mg/L	None	117	170	160	200	180	188	154
Alkalinity	mg/L	None	-	-	-	-		268	205
Adjusted SAR	Ratio	None	27.48	4.60	4.76	6.04	3.95	4.48	4.30
Iron	mg/L	0.3	0.065	0.030	0.133	0.012	0.14	0.319	0.127
Manganese	mg/L	0.05	0.007	0.028	0.040	0.010	0.07	0.104	0.068
MBAS	mg/L	0.5	<0.01	<0.11	<0.11	0.24	ND	<0.08	<0.10
Boron	mg/L	0.75	0.362	0.398	0.350	0.500	0.39	0.375	0.30
Fluoride	mg/L	None	0.65	0.720	0.49	0.58	0.96	0.88	0.77
Total Organic Carbon	mg/L	None	5.3	13.8	12.9	8.9	2.9	10.0	7.5

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

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

SOCWA Service Area
Recycled Water Production (ac-ft)
2021

Agency	Facility or Region	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	1.00	4.00	0.00	1.73	0.00	0.02	0.00	0.00	0.00	0.00	6.75
CSJC 2	Chiquita/SMWD	18.21	22.92	28.95	33.86	33.68	40.39	45.33	45.29	40.89	34.39	40.96	15.22	400.09
CSJC 3	Non-Domestic Wel	0.00	0.00	0.05	15.85	35.83	33.63	43.44	38.39	28.27	25.15	9.62	1.65	231.88
ETWD	Region 8	53.03	75.50	79.89	171.14	198.26	224.63	235.18	241.07	197.66	86.86	126.77	26.68	1716.68
IRWD														
4	IRWD - 8	66.48	39.90	59.73	129.00	147.62	174.11	200.63	207.97	182.33	118.35	97.28	64.90	1488.31
4	IRWD - 9	23.71	19.32	36.02	78.54	78.94	97.80	103.78	105.81	103.65	62.89	49.80	34.73	795.01
SCWD	SOCWA CTP	68.70	42.73	52.98	106.27	98.15	114.17	147.38	153.59	141.93	62.81	60.30	16.99	1066.00
MNWD	JRP	151.70	275.99	386.65	551.51	567.82	536.90	625.01	589.96	539.14	437.01	520.94	315.21	5497.83
	3-A Plant	59.99	0.00	0.00	5.83	143.27	142.88	150.43	148.30	135.57	120.65	0.00	0.00	906.92
5	CTP	29.42	2.50	2.92	10.48	6.02	26.07	10.17	20.90	22.14	-7.43	-37.25	-10.04	75.91
SMWD	Oso Creek	148.61	121.98	141.01	126.41	145.30	141.66	149.28	150.23	136.80	149.47	127.91	147.72	1686.38
	Chiquita	438.61	284.46	285.90	454.13	507.69	472.52	477.73	485.13	463.31	470.46	462.02	499.65	5301.60
	Nichols	1.61	1.50	1.71	1.67	1.89	2.00	2.24	1.98	1.91	1.60	1.41	1.41	20.94
TCWD	RRWRP	50.41	43.87	52.48	49.01	46.43	43.01	47.15	46.90	44.68	46.59	45.79	52.68	568.98
TOTALS		1110.47	930.66	1129.30	1737.71	2010.88	2051.50	2237.76	2235.55	2038.27	1608.82	1505.57	1166.79	19763.28

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

Pretreatment Report

Agenda Item

6.F.

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: SOCWA Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – December 2021 and January 2022
San Juan Creek Ocean Outfall
NPDES Permit #CA0107417 Order #R9-2012-0012
Aliso Creek Ocean Outfall
NPDES Permit #CA0107611 Order #R9-2012-0013

Summary of Program Activities

SOCWA adopted Pretreatment Ordinance 2020-1 on October 1, 2020. As of December 7, 2021, all SOCWA MAs also have updated Pretreatment Ordinances mirroring SOCWA's.

The 2020 Pretreatment Compliance Inspection (PCI) report included a recommendation for SOCWA to reach out to dental facilities which have not yet submitted to SOCWA a One-Time Report in compliance with the EPA Dental Amalgam Rule which took effect in July of 2017. Therefore, as of mid-September 2021 SOCWA has dedicated short-term Staff to call each surveyed non-compliant dental facility and increase its reporting percentage. As of January 19, 2022, Staff estimates SOCWA has received Reports from approximately 70% of its surveyed dental facilities.

On August 24, 2021, State Staff, and its contractors from PG Environmental performed an in-person PCI. The in-person PCI lasted one day and include a half-day of interview and file review and a half-day of inspections. SOCWA received copy of the final PCI Report on January 12, 2022. The Report includes two requirements and one recommendation. All findings are related to permit language. SOCWA has until April 12, 2022, to provide a response to the PCI Report.

SOCWA Staff is reviewing and entering 2021 annual influent/effluent sampling result data for all nine treatment plants including SOCWA (JBL, CTP, RTP), SMWD (Chiquita, 3A, Oso), CSC, IRWD and ETWD into the Water Information Management Solution (WIMS) database so it may be uploaded electronically to the State CA Integrated Water Quality System (CIWQS) database. Staff is also working on completing the narrative portion of the 2021 SOCWA Annual Pretreatment report. The final report will be submitted electronically to the RWQCB-SD by the due date of March 1, 2022.

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:

CSJC/SMWD – SWD Permit No. SOCWA-4-001-08-25 - North Open Space Pump Station and Settling Basin located at 30291 Camino Capistrano. SMWD finalized its annexation of CSJC on November 15, 2021. SOCWA Staff issued a new permit for discharges from the site reflecting SMWD as the new permittee on December 29, 2021.

CSJC/SMWD – NSWD Permit No. CSJC-N4-001-08-22 - Alipaz Diversion – SMWD finalized its annexation of CSJC on November 15, 2021. SOCWA Staff is in process of preparing a new permit to reflect SMWD as co-issuer with SOCWA in place of CSJC. SMWD and SOCWA Staff are working together to issue a new permit by April 15, 2022 when dry-weather diversions are allowed to be turned on again and operated.

CLB – Desai Builders – On December 17, 2021, SOCWA Issued a BMP letter allowing a one-time discharge to the sewer of pre-treated non-stormwater from a construction site. The construction site decided to haul the non-stormwater rather than pre-treat and discharge to the sewer never occurred.

CSC – Custom Flavors – SOCWA provided a Permit Modification letter on December 7, 2021 updating company authorized representative (CAR) contact information.

ETWD – SWD Permit No. ETWD-4-004-07-23 - Caltrans Construction Dewatering – The construction project is located at the intersection of the Aliso Creek Bikeway and the Interstate 5 Freeway. SOCWA received notice in November that the site is no longer dewatering to the sewer. The last SMR for November was processed and a permit termination letter provided on December 29, 2021.

SMWD – Control Components Inc. (CCI) – SOCWA provided a Permit Modification letter on January 17, 2022 updating company authorized representative (CAR) contact information.

SCWD – NSWD Permits for CDP Diversions (#SCWD-N4-013-10-2), Niguel Shores (#SCWD-N4-008-10-21), and CDP Salt Creek Ozone (#SCWD-N4-004-10-21) – All three NSWD Permits expired on October 15, 2021. SCWD and SOCWA Staff are working together to secure new Agreements and issue new permits by April 15, 2022 when dry-weather diversions are allowed to be turned on again and operated.

Trainings and Committee Meetings Attended

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

During the January 19, 2022 meeting, the OC District Attorney announced new legislation related to regulating wipes. CA recently passed Public Resource Code 49650-49654 requiring “premoistened nonwoven disposable wipes” be labeled as “Do Not Flush.” The law goes into effect July 1, 2022.

Enforcement

CSC – Staff issued a warning notice of non-compliance (WNON) to Flavorchem on December 28, 2021, for exceeding sample holding times. This was an isolated event and SOCWA considers this enforcement action resolved.

SCWD – Staff issued a WNON to Montage Resorts on January 13, 2022, for submitting the November 2021 self-monitoring report (SMR) past the due date of December 20, 2021. The December 2021 was submitted by the due date of January 20, 2022 and SOCWA considers this enforcement action resolved.

Inspections

SMWD/MNWD - On January 10, 2022, Staff inspected the Holden Forbes construction site for required pretreatment equipment prior to commencement of discharge to the sewer. Dewatering to the sewer began January 12, 2022 and Staff was notified as required.

Summary of IWS Activities in SOCWA's Service Area - YTD through October 20, 2021*

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	2	3	2	5	8	110	25	0	0	128
CSC (S)	6	10	35	18	181	1295	58	0	1	1597
CSJC (S)	1	3	27	59	137	1666	38	0	1	1930
ETWD (M)	2	4	87	0	262	132	84	0	0	568
EBSD (U)	2	1	0	0	0	0	0	0	0	1
IRWD (S)	6	4	51	21	63	937	24	0	1	1100
MNWD (S)	95	4	121	39	632	2093	202	17	0	3089
SMWD (S)	65	6	19	20	210	801	79	9	0	1135
SCWD (S)	2	8	33	7	148	182	27	0	0	405
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	8	1	0	0	0		0	0	9
Totals	181	62	376	169	1641	7249	537	26	3	10006

(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

**Note, Staff is in process of receiving SOCWA One-Time Compliance Reports from DSEs. Staff has placed a hold on fully updating IWS spreadsheets for each MA until temporary Staff has completed this work. See second paragraph from top for more information.*

Agenda Item

6.G.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACTS: Jim Burror, Director of Operations,
David Baranowski and Roni Young, Engineering Dept. Staff

SUBJECT: Capital Improvement Program Status Report

The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages.

Below are photos of the major construction projects currently underway at SOCWA facilities.

JB Latham Package B

Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building seismic retrofit, and minor rehabilitation, Digester 4 rehabilitation:

9-side Headworks bypass pumps and piping setup and being tested. The system will reroute the entire plant's flow for the primary influent channel lining work.



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Primary Basin #1 is being prepared for coatings and replacement of the severely corroded helical scum skimmer.



Primary Basins Nos. #5 and #6 being prepared for their start-up. The new covers are in place to control odors.



DAFT #2 has nearly all the mechanical equipment and piping installed. The electrical work is underway and anticipated to be complete in February 2021 for the DAFT #2 start-up.



Coastal Treatment Plant Sludge Force Main Replacement

New 6-inch HDPE force main replacing aging 4-inch (x2) lines from the Coastal Treatment Plant to the Regional Treatment Plant through Aliso Canyon:

Here are some sample before and after photos of the trail before and after the placement of the decomposed granite.



SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant												
3220/3231/3287	Facility Improvements B	\$ 7,050,000	\$ -	In Construction	C	C	C	C	C			
32225C/S	Energy Building Upgrades	\$ 1,580,000	\$ 2,370,000	In Design						D	B&A	C
32226L	Effluent Pump Station Upgrades	\$ 375,000	\$ 2,125,000	In Design				D	B&A	C	C	C
32223C	Drainage Pump Station Reconstruction	\$ 133,937	\$ 44,646					D	B&A	C	C	C
42221C	Site Storage Evaluation	\$ 60,975	\$ -									P
42222C	Electrical Conduit and Cable Master Plan	\$ 60,975	\$ -					P	P			
52222C	NFPA 70 Classification Mapping	\$ 30,000	\$ -					P	P			
52223C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500								P	P
52221C	Arc Flash 5-Year Update	\$ 8,000	\$ -							P		
42232C	Chlorine Building and Storm Water Pump Station Condition Assessment	\$ -	\$ 50,223				CA	CA				
32233L	Plant 1 Grit Handling	\$ -	\$ 50,703				CA	CA				
42231L	Influent Flow Metering Evaluation	\$ -	\$ 50,922				CA	CA				
42233C	Buried Utility Master Plan	\$ -	\$ 152,438								P	P
3285-000	Main Plant Drain Line Reconstruction (2018)	\$ -	\$ 223,136					D	B&A	C	C	C
32231S	Gas Flare Replacement	\$ -	\$ 263,384								P	D
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehabilitation	\$ -	\$ 331,471							D	B&A	C
PC 5 - San Juan Creek Ocean Outfall												
56221O	Outfall Port Cleaning	\$ 45,000	\$ -				ENV	ENV				
36221O	Surge System Air Valve Replacement	\$ -	\$ 39,062							C		
46211O	Land Outfall Facility Condition Assessment	\$ -	\$ 52,326							CA	CA	
46221O	Marine Outfall Core Sample and Condition Assessment	\$ -	\$ 90,000								CA	CA

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 15 - Coastal Treatment Plant												
3541-000	Export Sludge System Construction (2020)	\$ 3,248,233	\$ 1,392,100	In Construction	C	C	C	ENV	ENV	ENV	ENV	ENV
3539-000	Facility Construction Improvements	\$ 2,825,000	\$ -	Closeout	C	C	C					
35228L	Aeration Blower System Upgrades	\$ 1,600,000	\$ 6,400,000	Diffusers purchased for installation in FY22. Blower design in FY23.			D	B&A	C	C	D	B&A
3522CL	West Basin Scum Collection System	\$ 400,000	\$ -				P	D	B&A	C	C	
3522AL	Drainage Pump Station	\$ 175,000	\$ -				P	CA	D	B&A	C	
3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -	In Design		D	D	B&A	C	C		
3522BL	Headworks Upgrades	\$ 125,000	\$ -						P	CA		
35221L	Auxiliary Blower and Maintenance Building Roofs	\$ 100,000	\$ 100,000					P	D	B&A	C	C
35229L	Foul Air System	\$ 76,422	\$ -					P	CA			
35220L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -				P	B&A	C			
45212L	Site Storage Evaluation	\$ 50,000	\$ -									P
45226L	Consequence of Failure Analysis	\$ 50,000	\$ -				P	P	P			
55222L	NFPA 70 Classification Mapping	\$ 30,000	\$ -					P	P			
35221A	Contact Basin Gate	\$ 25,000	\$ 225,000						P	D	B&A	C
55221L	DHS Facility Compliance Review	\$ 17,500	\$ 17,500								P	P
35231L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 85,000							D	C	
35232L	South Embankment Protection	\$ -	\$ 175,000								D	D
35233L/36L	Scum Pump Station and Wet Well	\$ -	\$ 289,284							D	B&A	C
35234L	RAS/WAS Pump Station	\$ -	\$ 83,705								D	D
35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ -	\$ 36,719								D	D
35237L	Electrical Manhole/Cable Project	\$ -	\$ 85,000									CA

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 17 - Regional Treatment Plant												
3758-000	AWT No.2 Reconstruction (2020)	\$ 2,271,932	\$ -	In design			D	B&A	C	C		
3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,750,000	\$ -	Fabrication	C	C	C	C				
3722CL	Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 4,615,000					D	D	B&A	C	C
37222C	SCADA System Upgrade Project	\$ 387,131	\$ -					P	P	C	C	
3759-000	AWT No.2 Electrical Upgrades (2020)	\$ 348,070	\$ -				D	B&A	C	C		
37227C	Energy Building Upgrades	\$ 312,500	\$ 312,500					CA	CA	D	B&A	C
3722BL	Mixed Liquor Channel	\$ 284,154	\$ -					D	D	B&A	C	C
3776	Effluent Pond Gate Replacement	\$ 249,885	\$ -					D	D	B&A	C	C
47212C	Site Storage Evaluation	\$ 81,300	\$ -									P
37229C	Laboratory Reconstruction	\$ 76,500	\$ -						P	P		
47222L	Secondary Effluent Conveyance Evaluation	\$ 52,621	\$ -					CA	CA			
37220L	Interstage Pump Station	\$ 52,346	\$ -							P	CA	D
37228C	West Side Storm Channel Reconstruction	\$ 50,000	\$ 200,000							D	D	B&A
47224C	Consequence of Failure Analysis	\$ 50,000	\$ -				P	P				
37221C	West Slope Protection	\$ 39,000	\$ 156,000							D	D	B&A
57221C	NFPA 70 Classification Mapping	\$ 30,000	\$ -					P	P			
3756-000	Secondary Clarifier Safety Repairs (2020)	\$ 29,750	\$ 55,250					D	D	B&A	C	C
57222C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500								P	P
57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -					P				
3722AL/C/S	MCC A, C, G, H Replacement	\$ -	\$ 1,527,741	In Design			D	B&A	C	C	C	
37230C	Admin. Bldg. Door and Window Repair	\$ -	\$ 132,748					D	D	B&A	C	C
37232L/C	Site Lighting Upgrades	\$ -	\$ 797,923					D	D	B&A	C	C
37237C	Instrumentation Plan	\$ -	\$ 100,446								P	P
37233L	Secondary Scum Pump Station Reconstruction	\$ -	\$ 645,542					D	D	B&A	C	C
37234L	RAS System Upgrades	\$ -	\$ 55,803							P	CA	CA
37235L	Primary Sedimentation Collectors and Gates	\$ -	\$ 100,898								P	D
37238L	Grit Handling	\$ -	\$ 63,145								P	D
37231S	Solids Area Overhaul Plan	\$ -	\$ 100,446							P	CA	D
37239S	Digester System Condition Assessment	\$ -	\$ 94,865							P	CA	D

SOCWA CIP Workplan

Project Number	Project Name	FY 22 Budget	FY 23 Budget	Status	FY 2021/2022				FY 2022/2023			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 21 - Effluent Transmission Main												
3107-000 (B/C/D)	Air Valve Replacement Construction (D) (2021)	\$ 377,778	\$ -	In Design	D	D	B&A	C	C			
31221B	Trail Bridge Crossing (D)	\$ 360,000	\$ 840,000			D	D	D				
31222B	Aliso ETM Reach B/C Techite Replacement	\$ 292,000	\$ 292,000									P
3108-000 (E)	Air Valve Replacement Construction (E) (2021)	\$ 472,222	\$ -	In Design	D	D	B&A	C	C			
PC 24 - Aliso Creek Ocean Outfall												
3480-000	Internal Seal Replacement	\$ 175,000	\$ -					B&A	C	C		
34222O	Golf Course Road	\$ 45,000	\$ -					CA	CA			
54221O	Outfall Port Cleaning	\$ 45,000	\$ -						ENV	ENV		
34231O	Metering and Sampling	\$ -	\$ 66,964							C	C	
34232O	Creek Section Pipeline Replacement	\$ -	\$ 50,703							P	P	

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

Agenda Item

6.H.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: PC-2 & PC-15 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACTS: Jim Burror, Director of Operations
David Baranowski and Roni Young, Engineering Dept. Staff

SUBJECT: Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2 & 15]

Summary/Discussion

The attached CIP Report shows the financial status of the major construction projects as well any potential and Engineering Committee reviewed change orders. Please note that there are seven new change orders for Coastal Treatment Plant (PC-15) Export Sludge Force Main Replacement Project totaling \$70,438.68.

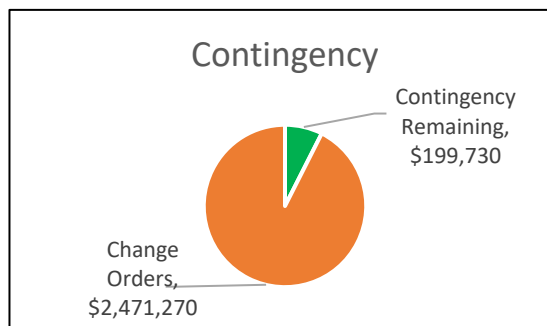
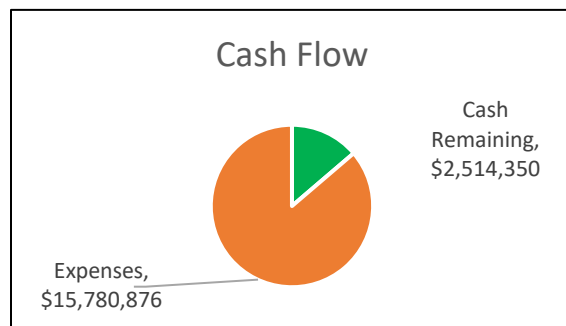
Recommended Action: The Engineering Committee recommends that the PC-15 Board of Directors approve JR Filanc Change Order 5 for \$19,000.00, Change Order 6 for \$4,833.91, Change Order 7 for \$6,198.46, Change Order 8 for \$3,515.83, Change Order 9 for \$3,525.37, Change Order 10 for \$5,461.87, and Change Order 11 for \$27,903.24 for a total of \$70,438.68 and a revised contract value of \$3,208,123.48 for the PC-15 Export Sludge Force Main Replacement project.

Project Financial Status

Project Committee	2
Project Name	Package B
Project Description	Plant 1 basin repairs, DAF rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation

Data Last Updated

January 3, 2022



Cash Flow

Collected	\$18,295,226
Expenses	\$15,780,876

Project Completion

Schedule	80%
Budget	67%

Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
Olsson	13497	\$ 17,325,000	\$ 1,212,518	\$ 18,537,518	\$ 12,229,863
Butier	13647	\$ 895,727	\$ 612,715	\$ 1,508,442	\$ 1,168,432
Carollo	13616	\$ 846,528	\$ 616,037	\$ 1,462,565	\$ 1,059,919
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 83,602
Ninyo & Moore	14279	\$ 49,399	\$ -	\$ 49,399	\$ 38,708
ADS Environmental	16452	\$ 24,875	\$ -	\$ 24,875	\$ 24,875
		\$ 19,235,529	\$ 2,441,270	\$ 21,676,799	\$ 14,605,399

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 916,800	\$ 798,559	\$ 118,241	87.1%
Common	3231-000	\$ 96,800	\$ 83,680	\$ 13,120	86.4%
Solids	3287-000	\$ 1,657,400	\$ 1,589,030	\$ 68,370	95.9%
		\$ 2,671,000	\$ 2,471,270	\$ 199,730	92.5%

Summary of New Change Orders

Change Order No	CSJC	MNWD	SCWD	SMWD	\$ Amount
Grand Total					

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	Approved by Board of Directors	12/12/2019	0	\$4,725
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	Approved by Board of Directors	6/4/2020	0	\$6,343
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	Approved by Board of Directors	6/4/2020	11	\$37,970
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	Approved by Board of Directors	6/4/2020	3	\$24,002
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	Approved by Board of Directors	8/6/2020	28	\$16,370
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	Approved by Board of Directors	8/6/2020	90	\$41,994
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	Approved by Board of Directors	8/6/2020	3	\$7,413

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	Approved by Board of Directors	8/6/2020	0	-\$1,829
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	Approved by Board of Directors	8/6/2020	0	\$18,678
10	Olsson	3287-000	Duct bank J Interferences	Approved by Board of Directors	12/17/2020	18	\$73,639
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	Approved by Board of Directors	12/17/2020	5	\$20,869
12	Olsson	3220-000	Duct bank K Interferences	Approved by Board of Directors	12/17/2020	0	\$15,567
13	Olsson	3287-000	Digester 3/4 PLC Relocation	Approved by Board of Directors	12/17/2020	14	\$41,368
14	Olsson	3287-000	Digester 4 Additional Tank Repair	Approved by Board of Directors	12/17/2020	18	\$33,643
15	Olsson	3220-000	Duct bank O Interferences	Approved by Board of Directors	12/17/2020	0	\$1,687
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	Approved by Board of Directors	2/4/2021	0	\$42,780
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Approved by Board of Directors	5/6/2021	0	\$34,392
18	Olsson	3287-000	Integrator Additional Site Visits	Approved by Board of Directors	5/6/2021	0	\$7,572

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	Approved by Board of Directors	6/3/2021	0	\$29,417
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	Approved by Board of Directors	6/3/2021	0	\$62,114
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	Approved by Board of Directors	6/3/2021	0	\$42,923
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	Approved by Board of Directors	9/2/2021	0	\$28,965
23	Olsson	3287-000	MCC-F1 Design Change	Approved by Board of Directors	9/2/2021		\$481,290
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	Approved by Board of Directors	10/7/2021		\$67,839
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	Approved by Board of Directors	10/7/2021		\$4,958
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	Approved by Board of Directors	10/7/2021		\$8,444

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	Approved by Board of Directors	10/7/2021		\$15,470
28	Olsson	3287-000	MCC-F1 Lighting Changes	Approved by Board of Directors	10/7/2021		\$7,843
29	Olsson	3287-000	Digester 3 Ground Rod	Approved by Board of Directors	10/14/2021		\$7,269
30	Olsson	3220-000	New Fiber Conduits at East Electrical and Storm Water Buildings	Approved by Board of Directors	10/14/2021		\$8,045
31	Olsson	3220-000	Plant 2 Primary Influent Channel Repair Credit	Approved by Board of Directors	12/9/2021		-\$15,903
32	Olsson	3220-000	Plant 1 and 2 Telescoping Valve Pipe Supports	Approved by Board of Directors	12/9/2021		\$6,132
33	Olsson	3287-000	4" Gas Line Routing Modifications	Approved by Board of Directors	12/9/2021		\$18,146
34	Olsson	3287-000	Gas Mixer Conduit Conflict	Approved by Board of Directors	12/9/2021		\$12,384
1CM Common	Butier	3231-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$48,995
1CM Liquids	Butier	3220-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$294,125

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1CM Solids	Butier	3287-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$269,595
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$18,210
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$109,256
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$100,151
1G Common	Ninyo & Moore	3231-000	Geotechnical Services Change Order No. 1	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$5,400
1G Liquids	Ninyo & Moore	3220-000	Geotechnical Services Change Order No. 1	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$12,300
1G Solids	Ninyo & Moore	3287-000	Geotechnical Services Change Order No. 1	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$12,300
2ESDC Common	Carollo	3231-000	ESDC Change Order No. 2	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$11,075
2ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 2	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$196,440

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
2ESDC Solids	Carollo	3287-000	ESDC Change Order No. 2	Within Contingency, reviewed by Engineering Committee	11/18/2021		\$180,905
PCO 002	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)		-\$1,000
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)		\$5,000
PCO 005	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)		\$50,000
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)		\$10,000
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)		\$18,146
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)		\$10,000
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	Potential Change	(blank)		\$7,771
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	Potential Change	12/10/2020		\$10,000
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020		\$5,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 045	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	Potential Change	12/23/2021		-\$2,309
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020		\$27,884
PCO 066	Olsson	3287-000	DAFT 1 and 2 Repairs	Potential Change	(blank)		\$232,161
PCO 083	Olsson	3220-000	Plant 1 Primary Basins Additional Repairs and Replacement	Potential Change	(blank)		\$126,000
PCO 088	Olsson	3220-000	Plant 1 Primary Existing Coating Removal	Potential Change	(blank)		\$36,000
PCO 092	Olsson	3287-000	Hot Water System Expansion Tank	Potential Change	8/31/2021		\$5,000
PCO 093	Olsson	3287-000	DAFT Light Change	Potential Change	8/31/2021		\$10,000
PCO 094	Olsson	3287-000	Additional Red Coloring Agent to Concrete	Potential Change	9/1/2021		\$5,000
PCO 095	Olsson	3287-000	Foul Air Rerouting at DAFT 2	Potential Change	9/2/2021		\$5,000
PCO 097	Olsson	3287-000	Digester Hot Water Temperature Gauge Setting	Potential Change	9/15/2021		\$5,000
PCO 100	Olsson	3220-000	P1 Primary Tanks 5 and 6 Temporary Power	Potential Change	12/1/2021		\$7,256

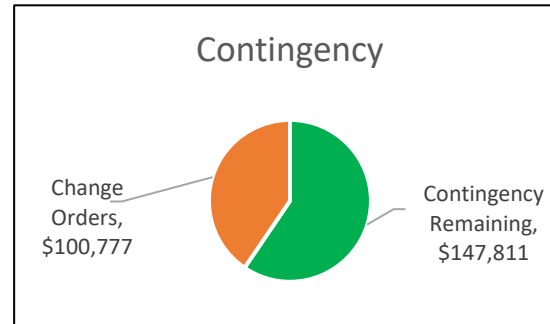
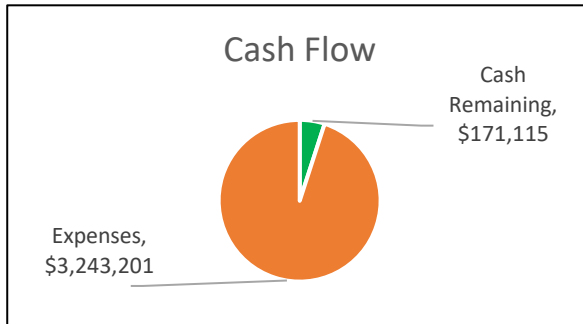
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 100	Olsson	3220-000	P1 Primary Tanks Skimmers Starter Modification	Potential Change	12/13/2021		\$45,374
PCO 101	Olsson	3220-000	P1 Primary Tanks Hopper Wall Coating	Potential Change	12/3/2021		\$34,505
PCO 102	Olsson	3220-000	P1 Effluent Channel Conduit Conflict	Potential Change	12/23/2021		\$9,275
PCO 103	Olsson	3220-000	P1 Primary Tanks Torque Limit Switch	Potential Change	12/20/2021		\$7,150
PCO 998	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	Potential Change	(blank)		-\$800,000
PCO 999	Olsson	3223-000	Energy Building Modifications Descope (F1-F4, G1-G2, & H1-H2)	Potential Change	(blank)		-\$600,000
Grand Total						190	\$1,739,483

Project Financial Status

Project Committee	15
Project Name	Export Sludge Force Main Replacement
Project Description	New 6-inch HDPE force main replacing ageing 4-inch (x2) lines from the Coastal Treatment Plant to the Regional Treatment Plant through Aliso Canyon

Data Last Updated

January 3, 2022



Cash Flow

Collected	\$3,414,316
Expenses	\$3,243,201

Project Completion

Schedule	100%
Budget	71%

Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
Filanc	15949	\$ 3,107,346	\$ 100,777	\$ 3,208,123	\$ 2,225,295
Butier	16164	\$ 226,100	\$ -	\$ 226,100	\$ 210,343
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ 124,895
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ 305,595
Ninyo & Moore	16268	\$ 65,790	\$ 43,166	\$ 108,956	\$ 108,951
		\$ 4,064,354	\$ 143,943	\$ 4,208,297	\$2,975,079

Filanc Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ 100,777	\$ 147,811	40.5%
		\$ 248,588	\$ 100,777	\$ 147,811	40.5%

Summary of New Change Orders

Change Order No	CLB	EBSD	MNWD	SCWD	Amount
5	\$7,203	\$567	\$5,558	\$5,672	\$19,000
6	\$1,833	\$144	\$1,414	\$1,443	\$4,834
7	\$2,350	\$185	\$1,813	\$1,850	\$6,198
8	\$1,333	\$105	\$1,029	\$1,050	\$3,516
9	\$1,336	\$105	\$1,031	\$1,052	\$3,525
10	\$2,071	\$163	\$1,598	\$1,630	\$5,462
11	\$10,578	\$833	\$8,163	\$8,329	\$27,903
Grand Total	\$26,704	\$2,103	\$20,606	\$21,026	\$70,439

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	Filanc	3541-000	Alternative Fiber Optic Conduit Installation at Jack and Bore	Approved by Board of Directors	6/3/2021	0	\$ 5,690
2	Filanc	3541-000	HDPE Pipe Price Adjustment	Approved by Board of Directors	9/2/2021	0	\$ 15,615
3	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	Approved by Board of Directors	9/2/2021	0	\$ 6,666
4	Filanc	3541-000	18-Inch VCP Sewer Line Conflicts	Approved by Board of Directors	9/2/2021	0	\$ 2,368
5	Filanc	3541-000	Lost Production with Equipment Movement	Within Contingency, reviewed by Engineering Committee	1/13/2021	2	\$ 19,000
6	Filanc	3541-000	Abandoned 4" PVC Water Line Interference	Within Contingency, reviewed by Engineering Committee	1/13/2021	1	\$ 4,834

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
7	Filanc	3541-000	18-Inch VCP Sewer Line Conflict at Sta. 96+55	Within Contingency, reviewed by Engineering Committee	1/13/2021	1	\$ 6,198
8	Filanc	3541-000	Encasement at Sta. 88+90 to 89+90	Within Contingency, reviewed by Engineering Committee	1/13/2021	0	\$ 3,516
9	Filanc	3541-000	Concrete Demo and Potholing	Within Contingency, reviewed by Engineering Committee	1/13/2021	1	\$ 3,525
10	Filanc	3541-000	Abandoned 12" PVC Interference	Within Contingency, reviewed by Engineering Committee	1/13/2021	1	\$ 5,462
11	Filanc	3541-000	ACWHEP Unknown Buried Concrete	Within Contingency, reviewed by Engineering Committee	1/13/2021	5	\$ 27,903
PCO 009	Filanc	3541-000	Wider Trench in Low Cover	Potential Change	(blank)		\$ 36,000
PCO 012	Filanc	3541-000	Jack and Bore Conflict	Potential Change	(blank)		\$ 110,000
PCO 013	Filanc	3541-000	Nesting Bird Restrictions	Potential Change	(blank)		\$ -
PCO 018	Filanc	3541-000	Test Pit for Jack and Bore	Potential Change	(blank)		\$ 9,639

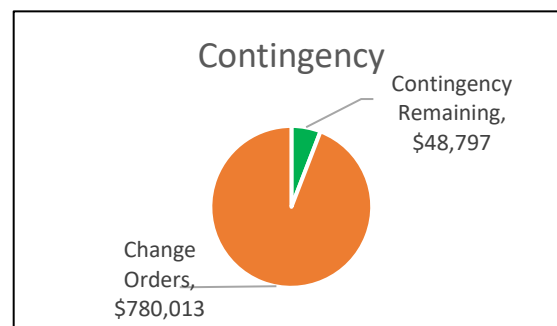
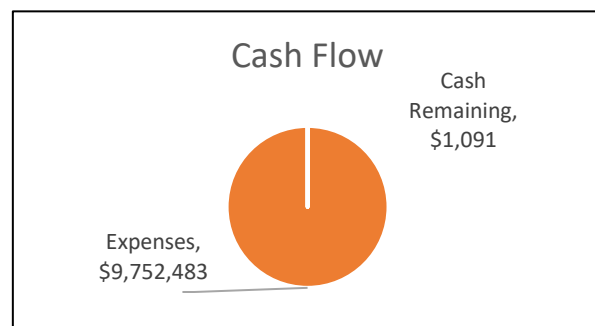
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
PCO 019	Filanc	3541-000	CTP and RTP Connection Modifications	Potential Change	(blank)		\$ -
PCO 021	Filanc	3541-000	Turtle Protection	Potential Change	(blank)		\$ -
PCO 023	Filanc	3541-000	Piping Interference at RTP Connection	Potential Change	(blank)		\$ 15,000
PCO 024	Filanc	3541-000	DG Access Road	Potential Change	(blank)		\$ -
PCO 025	Filanc	3541-000	Slope Repairs	Potential Change	(blank)		\$ -
PCO 026	Filanc	3541-000	Creek Bank Protection Scope Change	Potential Change	(blank)		\$ (150,000)
PCO 027	Filanc	3541-000	Additional Field Survey	Potential Change	(blank)		\$ 5,000
Grand Total						11	\$ 126,416

Project Financial Status

Data Last Updated

January 3, 2022

Project Committee	15
Project Name	Facility Improvements
Project Description	New ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades



Cash Flow

Collected	\$9,753,574
Expenses	\$9,752,483

Project Completion

Schedule	100%
Budget	93%

Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
PCL	13751	\$ 9,209,000	\$ (428,978)	\$ 8,780,022	\$ 8,274,948
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 812,228
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 294,711
		\$ 10,511,772	\$ (428,978)	\$ 10,082,794	\$9,381,887

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 780,013	\$ 48,797	94.1%
		\$ 828,810	\$ 780,013	\$ 48,797	94.1%

Summary of New Change Orders

Change Order No	CLB	EBSD	MNWD	SCWD	\$ Amount
Grand Total					

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
1	PCL	3539-000	Additional Potholing	Approved by Board of Directors	8/6/2020	0	\$ 22,936
2	PCL	3539-000	Gas Line Replacement	Approved by Board of Directors	8/6/2020	0	\$ 41,006
3	PCL	3539-000	Main Switchgear Building Underground Conflicts	Approved by Board of Directors	8/6/2020	0	\$ 8,683
4	PCL	3539-000	Mud Valve Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 6,577
5	PCL	3539-000	Additional Anchor Bolt Removal	Approved by Board of Directors	8/6/2020	0	\$ 15,271
6	PCL	3539-000	Slide Gate Concrete Repair	Approved by Board of Directors	8/6/2020	0	\$ 3,396
7	PCL	3539-000	Sludge Collector Wear Strips	Approved by Board of Directors	8/6/2020	0	\$ 5,304
8	PCL	3539-000	SCE Transformer Slab Box	Approved by Board of Directors	9/3/2020	0	\$ 4,378
9	PCL	3539-000	Duct Bank 5 Buried Utility Conflicts	Approved by Board of Directors	10/1/2020	0	\$ 32,224
10	PCL	3539-000	Telescoping Valve Modifications	Approved by Board of Directors	10/1/2020	0	\$ 36,067
11	PCL	3539-000	Secondary Effluent Channel Improvements	Approved by Board of Directors	12/17/2020	0	\$ 5,153

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
12	PCL	3539-000	Portable Generator Tap Enclosures in Buildings 2 & 15	Approved by Board of Directors	12/10/2020	0	\$ 18,356
13	PCL	3539-000	Conduit, wiring, and mounting of LL1 fixtures	Approved by Board of Directors	12/10/2020	0	\$ 5,001
14	PCL	3539-000	MCC Feeder Credit	Approved by Board of Directors	2/4/2021	0	\$ (8,803)
15	PCL	3539-000	Switchgear Building Concrete Repair	Approved by Board of Directors	3/11/2021	0	\$ 40,144
16	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Approved by Board of Directors	3/11/2021	0	\$ 10,623
17	PCL	3539-000	Basin Leaking Crack Repair in East Secondaries	Approved by Board of Directors	3/11/2021	0	\$ 1,863
18	PCL	3539-000	Additional Spall Repair - Grit Channels	Approved by Board of Directors	3/11/2021	0	\$ 26,405
19	PCL	3539-000	Mixed Liquor Channel Remobilization	Approved by Board of Directors	3/11/2021	0	\$ 5,323
20	PCL	3539-000	Building 10 Roof Repairs	Approved by Board of Directors	3/11/2021	0	\$ 2,245
21	PCL	3539-000	Building 8 Gas Line Rerouting	Approved by Board of Directors	3/11/2021	0	\$ 717
22	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Approved by Board of Directors	6/3/2021	0	\$ 9,722
23	PCL	3539-000	Grit Chamber Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 3,888

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
24	PCL	3539-000	1/2" Ferric Line Conflicts	Approved by Board of Directors	6/3/2021	0	\$ 784
25	PCL	3539-000	Helical Skimmer Wiring	Approved by Board of Directors	8/5/2021	0	\$ 1,072
26	PCL	3539-000	MCC 15 Unmarked Wire Chasing	Approved by Board of Directors	8/5/2021	0	\$ 6,138
27	PCL	3539-000	Unilateral Descope of Drainage Pump Station, East Basin RAS Channel, and West Secondary Sludge Collection Equipment	Approved	6/11/2021	0	\$ (1,200,188)
28	PCL	3539-000	Unilateral for 21 calendar days for weather and COVID-19 delays	Approved	6/16/2021	21	\$ -
29	PCL	3539-000	Building 10 Wall Repair	Approved by Board of Directors	10/14/2021	0	\$ 2,638
30	PCL	3539-000	West Telescoping Valve Improvements	Approved by Board of Directors	10/14/2021	0	\$ 12,168
31	PCL	3539-000	RAS Box Leaks	Approved by Board of Directors	10/14/2021	0	\$ 1,907
32	PCL	3539-000	West Grit Channel Unforeseen Conflicts	Approved by Board of Directors	10/14/2021	0	\$ 10,294

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
33	PCL	3539-000	Extra Work in Generator Building	Approved by Board of Directors	10/14/2021	0	\$ 3,714
34	PCL	3539-000	Power for Bldg 15 HVAC	Approved by Board of Directors	10/14/2021	0	\$ 2,301
35	PCL	3539-000	Additional Ferric Area Work	Approved by Board of Directors	10/14/2021	0	\$ 1,094
36	PCL	3539-000	Ferric Tank LIT	Approved by Board of Directors	10/14/2021	0	\$ 2,547
37	PCL	3539-000	PLC-TC1 Upgrades	Approved by Board of Directors	10/14/2021	0	\$ 9,699
38	PCL	3539-000	Aeration Channel Conflicts	Approved by Board of Directors	10/14/2021	0	\$ 10,314
39	PCL	3539-000	Telescoping Valve Stand Modifications	Approved by Board of Directors	11/15/2021	0	\$ 2,817
40	PCL	3539-000	Wiring for West Secondary Basins	Approved by Board of Directors	11/15/2021	0	\$ 2,962
41	PCL	3539-000	Ferric Containment Foundation	Approved by Board of Directors	11/15/2021	0	\$ 53,876
42	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Approved by Board of Directors	11/15/2021	0	\$ 26,000
43	PCL	3539-000	Headworks bypass	Approved by Board of Directors	11/15/2021	0	\$ 11,371
44	PCL	3539-000	SCE XFMR Slab Box	Approved by Board of Directors	11/15/2021	0	\$ 18,029
45	PCL	3539-000	Comprehensive Project Time Extension	Approved by Board of Directors	11/15/2021	77	\$ 100,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Days	Amount
46	PCL	3539-000	BEI Estimate addition to Unilateral CO #27	Approved by Board of Directors	11/15/2021	0	\$ 195,006
Grand Total						98	\$ (428,978)

Agenda Item

7.A.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: PC-2 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Contract Amendment for the J.B. Latham Treatment Plant Package B Geotechnical Services [Project Committee 2]

Overview

The geotechnical services during construction for the J.B. Latham Treatment Plant (JBL) Package B Construction Project includes geotechnical, material testing, and special inspection services. Currently, the anticipated substantial project completion is in September 2022. The current approved budget is \$49,399, which will likely be spent by the end of 2021.

Ninyo & Moore, the geotechnical firm for the project, has submitted the attached amended geotechnical services proposal with a fee of \$30,000 for review. Table 1 shows the project allocation, and Table 2 shows the allocation by member agency for the geotechnical services.

Table 1 – Change Order No. 1 Project Allocation

Project	Original Contract	Change Order No. 1	Total
PC 2, Task 3220-000, Facility Improvements Construction Liquids Area	\$20,253.59	\$12,300	\$32,553.59
PC 2, 3287-000 Facility Improvements Construction Solids Area	\$20,253.59	\$12,300	\$32,553.59
PC 2, 3231-000 Facility Improvements Construction Common Area	\$8,891.82	\$5,400	\$14,291.82
Total	\$49,399	\$30,000	\$79,399

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Table 2 – Change Order No. 1 Allocation by Member Agency

Member Agency	PC2, Task 3222-000	PC2, Task 3287-000	PC2, Task 3231-000	Total
City of San Juan Capistrano	\$3,785	\$3,690	\$1,640	\$9,115
Moulton Niguel Water District	\$2,839	\$2,659	\$1,207	\$6,705
South Coast Water District	\$3,547	\$2,460	\$1,319	\$7,326
Santa Margarita Water District	\$2,129	\$3,491	\$1,234	\$6,854
Total	\$12,300	\$12,300	\$5,400	\$30,000

Recommended Action: The Engineering Committee recommends that the PC-2 Board of Directors approve the contract amendment to Ninyo & Moore in the amount of \$30,000 for a total revised contract amount of \$79,399 for the geotechnical services for the J.B. Latham Package B Project.

October 14, 2021
Project No. 211281001

Ms. Roni Young
South Orange County Waste Water
34156 Del Obispo Street
Dana Point, California 92626

Subject: Earthwork and Materials Testing Services
J.B. Latham Plant Facility Improvements Package "B"
P.O Box No. 14279
Dana Point, California 92626

Dear Ms. Young:

Per your authorization and request, we are providing geotechnical, materials testing, and special inspection services for the above referenced project. To date, we have been providing our services on an as-requested basis, as scheduled by William Baker, the project inspector. We understand that our current approved budget is \$49,399.00.

We contacted yourself and Mr. William Baker, the project inspector, to help estimate our remaining scope of work. We anticipate that our remaining scope of services will include backfilling, subgrade, finish grade, asphalt testing, and concrete, and welding inspections, and laboratory testing, and project coordination. Based on the information described above, our revised estimated fee for the project is approximately \$79,399.00. We will continue to provide our services as requested with the understanding that we will be reimbursed on a time and materials basis for our additional services. The following describes our budget status:

Revised Total Estimated Fee	\$79,399.00
Current Approved Budget	<u>\$49,399.00</u>
Requested Budget Increase (difference)	\$30,000.00

Therefore, we request that our total budget be increased by \$30,000.00 to \$79,399.00. In order to have written authorization for the additional expenditure, please sign and return one copy of this letter to our office at your earliest convenience.

We appreciate the opportunity to be of service on this project. If you have any questions regarding this letter, please contact the undersigned at your convenience.

Respectfully submitted,
NINYO & MOORE



Jeff Dalgity
Project Manager

JWD/GMS/mlc

Authorized by:
South Orange County Waste Water



Garreth Saiki, PE, GE
Principal Engineer

Signature

Date

Print Name and Title

Agenda Item

7.B.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: PC-21, Reach D Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Addendum No. 2 Award to Tetra Tech for Engineering Design Services for the Effluent Transmission Main Trail Bridge Crossing Project [Project Committee 21, Reach D]

Overview

This agenda item provides a recommendation for the amendment of the engineering services contract for Tetra Tech for the final design of the Effluent Transmission Main (ETM) Trail Bridge Crossing Design Project. The original contract was awarded in March 2018 for \$345,370, Amendment No. 1 in October 2018 for \$21,758, and the addition for Amendment No. 2 is \$136,439 (January 2022) for a total revised contract amount of \$503,567.

Background

The ETM conveys treated secondary effluent from the Irvine Ranch Water District (IRWD) Los Alisos Water Reclamation Plant, the El Toro Water District (ETWD) Reclamation Plant, the SOCWA Regional Treatment Plant, and the SOCWA Coastal Treatment Plant to the Aliso Creek Ocean Outfall. The ETM also carries brine flow from two IRWD groundwater treatment facilities.

The ETM largely follows the path of the Aliso Creek. This includes several crossings beneath Aliso Creek. One site, the Trail Bridge ETM Crossing, is in need of protection against potential channel scour and erosion. The Trail Bridge ETM Crossing is a 24-inch reinforced concrete pipe (RCP) with a concrete encasement that diagonally crosses Aliso Creek. The Trail Bridge ETM Crossing is located approximately 1,000 feet north of Aliso Viejo Middle School. The top of the existing concrete encasement for the ETM is exposed and scoured to a depth of 30 inches within Aliso Creek and potentially subject to additional scour and structural damage by channel debris.

The Trail Bridge ETM crossing is part of Reach D of the ETM. The capacity in this reach of the ETM is jointly owned by the IRWD and the ETWD.

SOCWA retained Tetra Tech to prepare a Technical Memorandum in 2014 to develop a conceptual level alternative design for the Trail Bridge ETM crossing site. In March 2018, Tetra Tech was awarded the contract to complete the design for the crossing protection project. In October 2018, scope was added to the project with Amendment No. 1.

Cost Allocation

The proposed Amendment No. 2 would increase the following Tetra Tech tasks as noted in Table 1:

Table 1 – Fees by Task

Task No.	Description	Original Contract	Amendment No. 1	Amendment No. 2	Total
1	Progress Meetings	\$8,782.00	\$ -	\$ -	\$8,782.00
2	Survey	\$55,908.00	\$ -	\$ -	\$55,908.00
3	Concept Review	\$9,670.00	\$ -	\$ -	\$9,670.00
4	Creek Hydraulics	\$9,822.00	\$ -	\$ -	\$9,822.00
5	Constructability Review	\$4,562.00	\$ -	\$ -	\$4,562.00
6	Identify and Contact Key Landowners	\$4,310.00	\$ -	\$ -	\$4,310.00
7	Coordination with the County of Orange	\$5,861.00	\$ -	\$ -	\$5,861.00
8	Biological Survey	\$50,575.00	\$ -	\$12,051.00	\$62,626.00
9	Cultural Survey	\$5,915.00	\$ -	\$4,525.00	\$10,440.00
10	CEQA Preparation	\$60,315.00	\$ -	\$38,021.00	\$98,336.00
11	Resource Agency Permit Application	\$59,205.00	\$ -	\$58,201.00	\$117,406.00
12	County of Orange Permit Application	\$5,086.00	\$ -	\$ -	\$5,086.00
13	Final Design	\$54,866.00	\$ -	\$12,080.00	\$66,946.00
14	Submittal	\$3,805.00	\$ -	\$ -	\$3,805.00
15	Cost Estimates	\$6,688.00	\$ -	\$1,538.00	\$8,226.00
16	Potential Risk of Failure at Project Site	\$ -	\$15,570.00	\$ -	\$15,570.00
17	Conceptual-level Design (Pipe Tunneling)	\$ -	\$ -	\$ -	\$ -
18	Presentation at Engineering Committee	\$ -	\$6,188.00	\$ -	\$6,188.00
19	Permit Related Meetings and Hearings	\$ -	\$ -	\$10,023.00	\$10,023.00
		\$345,370.00	\$21,758.00	\$136,439.00	\$503,567.00

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The proposed Amendment No. 2 would increase the member agency's allocation as noted in Table 2:

Table 2 – Cost allocation by member agency for Tetra Tech Amendment No. 2

Agency	Tetra Tech Amendment No. 2
Project ID	<i>3101-000</i>
ETWD	\$ 68,219.50
IRWD	\$ 68,219.50
Total	\$136,439.00

Project 3101-000 is already funded and within budget.

Recommended Action: The Engineering Committee recommends that the PC 21 Reach D Board of Directors approve the Tetra Tech Amendment No. 2 in the amount of \$136,439 for a total revised contract amount of \$503,567 for the final design of the Effluent Transmission Main Trail Bridge Crossing Project.

SOCWA Trail Bridge Effluent Transmission Main Crossing Design

Modification No. 2 to Original SOW – Scope of Work for Additional Work

This Scope of Work (SOW) is a modification (MOD) to the original contract to request additional funding to the original tasks to provide additional support requests by South Orange County Wastewater Authority (SOCWA). The SOW has been prepared based on the conference call discussion between SOCWA, Tetra Tech, and The Team on March 9, 2021, to complete the project.

A biological resources study and a Phase I cultural resources inventory was prepared in 2019 with negative findings, and a draft Mitigated Negative Declaration (MND) was completed and submitted to SOCWA for internal review. However, the documents were never circulated for public review. Given the age of the technical studies, updated biological and cultural resource surveys are needed to complete the MND process and to support wetlands regulatory permitting services required for the project.

Task 8: Biological Survey

Task 8e – Biological Resources Letter Report

The Team will update the existing 2018 report to reflect the current environmental baseline conditions and to incorporate the results of the 2021 special-status wildlife species surveys currently being conducted by the Team separately. The impacts assessment, report exhibits, and mitigation measures will also be updated to reflect the latest project understanding and wetlands permitting regulations, which have changed considerably since 2018.

Prior to conducting any updated field surveys, the Team will review the California Natural Diversity Database and U.S. Fish and Wildlife Service (USFWS) databases to identify any additional special-status species occurrences that have been recorded in the project area and vicinity since the 2018 report was prepared. The vegetation map within the previous study area will be verified and re-mapped, if necessary, to more accurately reflect current conditions. Vegetation

communities within the study area will be mapped on a 100-scale topographic/aerial photographic map, based on the List of California Vegetation Alliances and Associations system. Given the incised nature of Aliso Creek in this area, the wetland delineation will not be updated as the extent of agency jurisdiction will not likely have changed since the original assessment was done in 2018.

The Team will update the existing report to document the survey findings. The letter report will include a discussion of the survey methodology according to the appropriate protocol and adequacy of the surveys. The report will provide an updated assessment of existing conditions, an impacts analysis, an updated assessment of the significance of impacts in accordance with the California Environmental Quality Act (CEQA), and recommended mitigation measures. The existing regional, vicinity, and biological resource maps will be updated. No new report exhibits will be generated as a result of this update. The Team will perform one round of impacts/design review to support the impacts assessment based off the updated vegetation map. Electronic copies of the draft and final report will be provided as in PDF. Up to three (3) hard copies can be provided upon request.

Task 9: Cultural Survey

Another critical technical study that the Team will need to update to support ongoing environmental planning and permitting services is the cultural resource analysis. Given the extent of prior disturbance in the project area, the likelihood of recovering significant archaeological resources remains low. However, in light of the cultural sensitivity in other regions of the Aliso and Wood Canyons Wilderness Park, the need to demonstrate compliance with CEQA, and with Section 106 of the National Historic Preservation Act as part of the regulatory permitting process, we will update the cultural resource technical report documenting the results of the California Historical Resources Information System records search, Native American coordination, and cultural resource pedestrian survey.

Cultural resource efforts will include an updated South Central Coastal Information Center (SCCIC) records search for the project site plus a half-mile surrounding buffer. The direct cost of this search is anticipated to be \$1,500.00 and may take up to 10 weeks to yield results due to COVID-19 protocols that continue to be implemented and enforced in the region. It should be further anticipated that a SCCIC records search will only provide review of digital files. The Team will additionally contact the Native American Heritage Commission (NAHC) for an updated Contact List of traditionally affiliated Native American representatives. Per U.S. Army Corps of Engineers (USACE) requirements, the Team will email and call these individuals. This information

will be integrated within the cultural resources report and appendices, with the intent of facilitating smooth review by USACE for Section 106 compliance.

The fee for this task includes \$1,500 in reimbursable direct costs associated with the updated SCCIC records search.

Task 10: CEQA Preparation

To date, the Team prepared a Screencheck Draft MND in July 2019 addressing the environmental effects of the proposed action and associated approvals. The following discussion provides a description of our approach for completing the MND and CEQA process.

As a first step under this task, The Team will obtain comments from SOCWA staff on the First Screencheck Draft MND. Once obtained, and in close cooperation with SOCWA staff, the Team will prepare the public review Draft MND in conformance with the criteria, standards, and provisions of CEQA. It is assumed that The Team will not need to prepare a Second Screencheck Draft document. The Draft MND will be prepared in conformance with the criteria, standards, and provisions of CEQA, the California Public Resources Code Section 21000 et. seq., and the state CEQA guidelines. The document will identify potentially significant environmental effects and, in consultation with SOCWA, The Team will identify all feasible measures to mitigate those effects to a less than significant level. The MND will include the following sections:

1. Introduction
2. Project Description
 1. Initial Study Environmental Checklist (including the environmental checklist and a discussion of the environmental impacts)
3. Mitigation Monitoring and Reporting Program
4. Findings
5. Report Preparation Personnel
6. References and Supporting Information

The Team will conduct the environmental analysis of the project based on the data, background information, and technical studies collected and prepared as part of this work effort. Information from technical reports will be synthesized into the Draft MND for the technical reports listed herein.

In addition to preparing the MND for the 30-day public review period, the Team will prepare the Notice of Completion and Notice of Availability, which will accompany the public review

documents. The Team will work with SOCWA staff to assemble and notice the Draft MND for public review; it is assumed SOCWA will be the lead for mailing out all notices. The Team will provide copies of the Draft MND to SOCWA staff for distribution during the 30-day public review period.

Following conclusion of the public review period, the Team will address public comments on the Draft MND, provide responses to comments, and prepare revisions to the Draft MND text, if necessary. The Team will catalog, bracket and categorize all comments on the Draft MND. The Team will prepare responses to comments for inclusion in the Final MND based on coordination with SOCWA staff. For purposes of cost estimation, this proposal assumes The Team's responses to no more than 25 individual public comments on the Draft MND from all comment letters received (note that a single comment letter may contain multiple comments). The Team assumes that comments received related to technical items prepared by other team members would be addressed by the appropriate individual/firm for final incorporation into the Final MND document.

The Team will prepare the Mitigation Monitoring and Reporting Program (MMRP) for inclusion in the Final MND. The MMRP will include a brief project description, a list of agencies with jurisdiction over the project, monitoring roles and responsibilities, and general monitoring procedures. For each mitigation measure identified in the Final MND, the party responsible for the monitoring, scheduling, and reporting requirements and effectiveness criteria will be identified. Mitigation measures contained in the MND will be developed in consideration of future monitoring requirements and written in sufficient detail to address impacts of all phases of project development, referencing the appropriate implementing permits such as grading permits and final maps.

Based on comments from SOCWA staff, the Team will prepare the Final MND for certification. We assume preparation of one Screencheck Final MND, followed by a Final MND, incorporating SOCWA comments. Related to the responses to comments, the Team will assemble text changes to the Final MND as appropriate. The Team will assemble the Final MND and provide the necessary copies and digital files to SOCWA staff to take the MND through the hearing process to certification.

The MMRP will also be finalized for inclusion in the Final MND. The Final MND, responses to comments, and the MMRP will be submitted to SOCWA for distribution.

Task 11: Resource Agency Permit Applications

We are currently under contract with SOCWA to prepare and process a Section 404 Nationwide Permit with USACE, a Section 401 Water Quality Certification with the Regional Water Quality Control Board (RWQCB), and a Section 1602 Streambed Alteration Agreement with the California Department of Fish and Wildlife (CDFW). However, since the execution of the contract in 2018, there have been a number of notable regulation changes that have affected the content requirements of the wetlands regulatory permit submittals, specifically with respect to the Section 401 Water Quality Certification process. Additional budget is needed to prepare and process the Section 401 Water Quality Certification from the RWQCB as described in more detail below.

Task 11a Wetlands Resource Agency Permitting

Prepare and Process Section 401 Water Quality Certification

Since the Team's original SOW and fee were approved by SOCWA to prepare and process wetlands regulatory permits in 2018, the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Procedures) issued by the State Water Resources Control Board went into effect on May 28, 2020. As a part of the process, applicants are now required to file a pre-application filing meeting request with the RWQCB 30 days prior to application submittal. During this 30-day period, the RWQCB may request a meeting to review the project in more detail or they may reach out with preliminary concerns they have that should be resolved to the greatest extent feasible before the application is submitted. This is due to the fact that under the "Clean Water Act Section 401 Certification Rule", administered by the Environmental Protection Agency on September 11, 2020, the RWQCB is now required to take action within 90 days from receipt of an application. The overall intent of the rule is to streamline agency review of applications and improve efficiencies in the application review and processing. Under this task, the Team will prepare and file on behalf of SOCWA the pre-application filing request letter, which is typically no more than 5-10 pages in length. The Team will then complete and submit the required application form along with the technical documents needed to accompany the application. Note, that as a result of the Procedures, the required application form has doubled in length from 15 pages in 2018 to 30 pages currently. Under this task, the Team will prepare, file, and process an application for Section 401 Water Quality Certification with the San Diego RWQCB office. The Team will continue to assume that SOCWA will pay the required filing fee to be coordinated by the Team during the wetlands regulatory permitting phase of the project.

RWQCB Alternatives Analysis

As indicated in the Procedures, adopted by the State Water Resources Control Board on April 2, 2019, an alternatives analysis must be submitted to the RWQCB, consistent with the requirements of Section 230.10 of the State Supplemental Dredge or Fill Guidelines, unless the project qualifies for an exemption as outlined on page 6 of the Procedures. The alternatives analysis serves two primary purposes. The first purpose is to document that an appropriate sequence of actions has been taken first to avoid, and second to minimize, adverse impacts to waters of the state. The second purpose is to identify the least environmentally damaging practicable alternative (LEDPA). The analysis must establish that the proposed project alternative is the LEDPA in light of all potential direct, secondary (indirect), and cumulative impacts on the physical, chemical, and biological elements of the aquatic ecosystem.

1. As discussed in the state's Procedures, alternatives analyses shall be completed in accordance with the following tiers. The level of effort required for an alternatives analysis within each of the three tiers shall be commensurate with the significance of the impacts resulting from the impact.
2. Tier 3 projects include any discharge of dredged or fill material that directly impacts more than 0.2 acre or 300 linear feet of waters of the state; rare, threatened or endangered species habitat in waters of the state; wetlands or eel grass beds; or Outstanding National Resource Waters or Areas of Special Biological Significance, and is not a project that inherently cannot be located at an alternate location. Tier 3 projects shall provide an analysis of off-site and on-site alternatives.
3. Tier 1 projects include any discharge of dredged or fill material that directly impacts less than or equal to 0.1 acre or less than or equal to 100 linear feet of waters of the state, unless it meets the criteria for a Tier 3 project. Tier 1 projects shall provide a description of any steps that have been or will be taken to avoid and minimize loss of, or significant adverse impacts to, beneficial uses of waters of the state.

Based on the impact footprint evaluated in the draft MND, the preferred project exceeds over 0.2 acre of direct impacts to waters of the state. Therefore, the project meets the requirements of a Tier III evaluation, as defined in the state's Procedures. Under this task the Team will prepare a Tier III alternatives analysis focusing on on-site alternatives that were previously evaluated by SOCWA for the project. This fee assumes we will provide an evaluation of up to three on-site alternatives including the preferred project as well as a "No Project" alternative.

Task 11c Endangered Species Act Permitting

Focused surveys for the state and federally endangered least Bell's vireo (*Vireo bellii pusillus*) and southwestern willow flycatcher (*Empidonax traillii extimus*), and the federally threatened coastal California gnatcatcher (*Polioptila californica californica*) are currently being conducted to determine the presence/absence of these species within the project survey area, which includes the proposed impact footprint plus a 500 foot buffer. The 500-foot buffer is necessary to assess potential indirect effects to federally listed species that may occur in proximity to but not within the impact footprint.

Preliminary results of the 2021 focused riparian bird surveys indicate that least Bell's vireo is present roughly 150 feet downstream of the trail bridge. Because this species is present within the survey area, the USACE is required to consult with the USFWS under Section 7 of the federal Endangered Species Act to determine if the proposed project will have an adverse effect on the species. Under this task, The Team will prepare a Biological Assessment (BA) that discusses the specific effects of the project on least Bell's vireo, and any other federally listed species, to facilitate USFWS review of the project.

The USFWS will determine if the project "may affect" a listed species. If either of these determinations are made, the USFWS and USACE will enter consultation. Based on the complexity of issues and the severity of impact, either a formal or informal consultation process may be selected by USFWS. This scope of work includes necessary coordination time for either process. The informal consultation process generally requires less staff effort and time, although there is no statutory time limit for this consultation process. The formal consultation will conclude with a Biological Opinion issued by the USFWS within a statutory 135-day time period.

If the project impacts any species that are both state and federally listed, such as the least Bell's vireo, CDFW may require a 2080.1 Consistency Determination which allows for impacts to the species under conditions consistent with the federal determination. If necessary, The Team will facilitate issuance of the Consistency Determination. This scope of work does not include permitting of any state listed species which are not also federally listed nor does it include separate permit issuance by CDFW which may be required if CDFW does not agree with USFWS conclusions or conditions. If separate permitting with CDFW is required, an amended scope of work and cost estimate can be provided. This scope of work includes coordination with USFWS, and if necessary, CDFW, for up to six months following initiation of the consultation by the USACE including up to three meetings with agency staff.

Task 13: Final Design

The 90% design plans and specifications were submitted to SOCWA for review in 2019. However, no review comments were received. SOCWA will provide review comments to the Team so they can be incorporated into the final design.

Prior to developing the final design, the Team will conduct a field visit of the project site to visually assess for any critical change in the existing conditions that would warrant the change in the 2019 design approach. If a critical change in the existing conditions is found in the field, the Team will coordinate with SOCWA to reach a design resolution as necessary. Additionally, the Team will revisit and reevaluate the 2019 design for its feasibility under the current site conditions and latest design standards. No additional site survey or hydraulics or geotechnical analysis will be performed. Findings from the environmental permit work will be incorporated into the final design.

The CAD files from 2019 design will be updated to the current version of CAD software.

Task 15: Cost Estimates

The Team will revisit the unit costs of the 2019 cost estimates and update the unit costs and estimate as necessary to meet the 2021 price level.

Task 19: Permit Related Meetings and Hearings

The Team will attend project meetings and one Board Committee hearing, as needed, throughout the duration of the contract. This task includes project management and administration, regular progress reports and communication with Tetra Tech and SOCWA, coordination of project team, and quality control. It is assumed that up to four meetings will be necessary.

Deliverables

Tasks 8 through 11

The deliverables related to the environmental permit work, Tasks 8 through 11, are described in the SOW descriptions above.

Tasks 13 and 15

The final level design submittals, including the plans, specifications, and cost estimate, will be submitted to SOCWA 4 weeks after the completion of Tasks 8 through 11 to make sure the findings from the permit work are adequately addressed in the design documents.

Proposed Task Fee Summary

Task No	Task	Fee
8	Biological Survey	\$ 12,051
9	Cultural Survey	\$ 4,525
10	CEQA Survey	\$ 38,021
11	Resource Agency Permit Application	\$ 58,201
13	Final Design	\$ 12,080
15	Cost Estimates	\$ 1,538
19	Permit Related Meetings and Hearings	\$ 10,023
Total:		\$ 136,439

Tetra Tech Fee Proposal

Trail Bridge ETM Crossing

Revised on 2022/01/04

TASK NO.	Task	QA/QC (Program Manager)	Sr. PM	Project Manager	Sr Engineer 4	Project Engineer 1	Sr CAD/GIS Designer 1	CAD/GIS Designer	Sr. Engineer 4	Sr. Planner 4	Sr. Planner 3	Sr. Planner 1	Planner 2	Planner 1	TOTAL HOURS	ODC ¹	TOTAL FEE
		\$ 347	\$ 310	\$ 298	\$ 281	\$ 187	\$ 146	\$ 123	\$ 281	\$ 257	\$ 216	\$ 181	\$ 164	\$ 123			
1	Progress Meetings																
2	Survey																
2.a	Topographic Survey																
2.b	Property Survey																
2.c	Easement Survey																
2.d	Comprehensive Map																
3	Concept Review																
3.a	Review and Confirm 2014 Design & Cost																
3.b	Alternative Design Approach																
4	Creek Hydraulics																
5	Constructability Review																
6	Identify and Contact Key Landowners																
7	Coordination with the County of Orange																
8	Biological Survey																\$ 12,051
8a	General biological recon survey & Wetland Delineation																
8b	Focused California Gnatcatcher Survey (for Non-NCCP Participating Jurisdictions)																
8c	Focused Riparian Bird Surveys																
8d	Western Pond Turtle Survey (Optional)																
8e	Biological Resources Technical Report								4	18	10		20	7	59		
9	Cultural Survey										10	2		1	13	\$ 1,880	\$ 4,525
10	CEQA Preparation					4			30	7	6		139	24	210		\$ 38,021
11	Resource Agency Permit Application																\$ 58,201
11a	Wetlands Resource Agency Permitting									115			25	5	145		
11b	Research Waters of the U.S. Mitigation Options																
11c	Endangered Species Permitting								3	53	22		25	5	108		
12	County of Orange Permit Application																
13	Final Design																\$ 12,080
13.1	90% Design																
13.2	100% Design		2	2	10	24	16	10							64		
14	Submittal																
14.1	Submittal Preparation																
15	Cost Estimates			1		4		4							9		\$ 1,538
16	Potential Risk of Failure at Project Site																
17	NOT USED																
18	Presentation at Engineering Committee																
19	Permit Related Meetings and Hearings			2		6			10	15	0	0	10		43		\$ 10,023
	Total		2	5	10	38	16	14	47	208	48	2	219	42	651	\$ 1,880	\$ 136,439

Note: 1. ODC includes 12% profit and 13.42% G&A, which are reflected in the cost shown.

Agenda Item

7.C.

Budgeted: Yes
Budget amount:
Line Item:
Legal Counsel Review: No
Meeting Date: February 3, 2022

TO: PC 2 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jeanette Cotinola, Procurement and Contracts Manager
Roni Young, Eng'r Dept. Staff

SUBJECT: J. B. Latham Treatment Plant Package B - [PC 2],
Approval to Release Payment for Change Orders #18 through 34, Olsson
Construction

Summary:

Attached please find a detailed spreadsheet identifying Change Orders previously approved by SOCWA Engineering Committee and Board of Directors on various dates from May 6, 2021, through December 9, 2021. For these Change Orders, although previously considered and approved, discussion has ensued with Olsson Construction that one or more of the Change Orders may not have included overhead or time associated with the work. Consideration and evaluation of the additional added costs, if any, has not yet occurred as staff and Butier Engineering are awaiting a submittal from Chris Olsson for any additional requested costs associated with Change Orders number 18 to 34. If an additional costs submittal is received it will be fully evaluated against the documentation on the project by Butier Engineering and SOCWA staff. Staff and Butier Engineering will return to the Engineering Committee and the Board with any additional recommendations after the Olsson proposal is received and vetted.

In the intervening period, the parties have met and staff/Butier Engineering believe that the amounts currently within the Engineering Committee recommendations and Board approvals (as listed on the attached spreadsheet) are reasonable and payment should move ahead to be released to Olsson.

In order that the Engineering Committee and Board of Directors are aware of the potential for additional submissions for these Change Orders, staff is seeking concurrence to move ahead to pay the Board approved Change Orders 18 to 34.

Recommended Action: The Engineering Committee recommends that the Board of Directors approve issuing payment on Package B Change Orders 18-34 as billed by Olsson (shown on the attached spreadsheet) with the understanding that additional submissions may be forthcoming from Olsson related to the same work.

Item	Change Amount	Billed by Olsson	Materials and Labor	Change Order Descriptions
CO 18	\$ 7,571.97	\$ 7,571.97	Work completed by G.T. Hall	Integrator Additional Site Visits
CO 19	\$ 29,417.20	\$ -		Multi-zone air conditioning unit in the Cogen MCC Room and Office
CO 20	\$ 62,113.50	\$ 62,113.50	Work completed by Olsson	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9
CO 21	\$ 42,922.67	\$ -		Cogeneration PLC Modifications and Integration
CO 22	\$ 28,965.33	\$ 28,965.33	Materials are onsite	Plant 1 Secondary Basins UV Rated Wear Strips
CO 23	\$ 481,290.42	\$ 481,290.42	Work completed by Olsson/CSI	MCC-F1 Design Change
CO 24	\$ 67,838.71	\$ 67,838.71	Work completed by Olsson/Murphy	DAF 2 Investigation Work and Inspection Blast
CO 25	\$ 4,957.71	\$ 4,957.71	Work completed by CSI	New Fiber Conduit in West Blower Building
CO 26	\$ 8,444.20	\$ 8,444.20	Work completed by CSI	Plant 1 Primary Basin Conduit Obstruction
CO 27	\$ 15,469.98	\$ 15,469.98	Work completed by Murphy	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6
CO 28	\$ 7,843.04	\$ 7,843.04	Work completed by CSI	MCC-F1 Lighting Changes
CO 29	\$ 7,269.16	\$ 7,269.16	Work completed by CSI	Digester 3 Ground Rod
CO 30	\$ 8,045.43	\$ 8,045.43	Work completed by CSI	New Fiber Conduits at the East Electrical and Storm Water Buildings
CO 31	\$ (15,903.00)	\$ (15,903.00)		Plant 2 Primary Influent Channel Repair Credit
CO 32	\$ 6,132.27	\$ 6,132.27	Work completed by Olsson	Plant 1 and 2 Telescoping Valve Pipe Supports
CO 33	\$ 18,146.07	\$ 18,146.07	Work completed by Olsson	4-inch Gas Line Routing Modifications
CO 34	\$ 12,383.89	\$ 12,383.89	Work completed by CSI	Gas Mixer Conduit Conflict
Total	\$ 792,908.55	\$ 720,568.68		

Agenda Item

7.D.

Budgeted: Yes

Budget amount: various see line item information below

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jeanette Cotinola, Procurement and Contracts Manager

SUBJECT: Engineering Support Services, Dudek Engineering

- Contracts for JBL Package B Engineering Service During Construction,
- Interim Director of Engineering Support
- PC 5, 15, 17, 21, & 24 CIP Support

Summary

SOCWA Director of Engineering, Jason Manning, accepted a position with IRWD in early January. We are pleased to see talented staff have the ability to pursue opportunities with great agencies.

Given the ongoing construction and the pending preparation of the CIP for fiscal year 2022/23, for the immediate short term, additional outside engineering support services are needed. Due to the timing and the general familiarity with SOCWA and its projects and staff, the General Manager requested three services proposals from Dudek Engineering, which are attached.

The proposals are:

- JBL Facility Package B support. Services will include ongoing peer review of the construction administration through the end of August 2022. The supporting services will directly assist SOCWA Engineering Department staff. Support needs are estimated at 4 hours per week at a cost of \$48,360.
- CIP Project Engineering Support Assistance PC 5, 15, 17, 21, and 24 in the amount of \$47,500.00 for the following efforts:
 - a. 3220-Package B Liquids
 - b. 3287-Package B Solids
 - c. 56221O-Outfall port cleaning
 - d. 3534-Export Sludge System
 - e. 3745-West Slope Protection Evaluation
 - f. 3747-Southside Plant Flooding Evaluation
 - g. 3105-Air Valve Replacement Design & Permitting
 - h. 3108-Air Valve Replacement Construction
 - i. 3401-Emergency Plan Development
 - j. 3480-Internal Seal Replacement

- Additional management support on engineering matters for the General Manager in the amount of \$24,800.00.

Fiscal Impact

Additional budget adjustments are not requested at this time. The referenced services will correspond to the following Budget line items:

- 01-6200-04 (admin) \$24,800.00
- (a)3200-000 (PC 2 liquids) \$25,308.17
- (b)3287-000 (PC 2 solids) \$23,051.83
- (c)562210-000 (PC5) \$2,500.00
- (d)3535-000 (PC 15) \$10,000.00
- (e)3745-000 (PC17 Common) \$5,000.00
- (f)3747-000 (PC17 Common) \$5,000.00
- (g)3105-000 (PC 21 B/C/D) \$11,250.00
- (h)3108-000 (PC 21 E) \$5,000.00
- (i)3401-000 (PC 24) \$5,000.00
- (j)3480-000 (PC 24) \$5,000.00

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to engage the services of Dudek Engineering as follows:

- JBL Facility Package B support. Services will include ongoing peer review of the construction administration through the end of August 2022. The supporting services will directly assist SOCWA Engineering Department staff. Support needs are estimated at 4 hours per week at a cost of \$48,360.
- CIP Project Engineering Support Assistance PC 5, 15, 17, 21, and 24 in the amount of \$47,500.00 for the following efforts:
 - a. 3220-Package B Liquids
 - b. 3287-Package B Solids
 - c. 562210-Outfall port cleaning
 - d. 3534-Export Sludge System
 - e. 3745-West Slope Protection Evaluation
 - f. 3747-Southside Plant Flooding Evaluation
 - g. 3105-Air Valve Replacement Design & Permitting
 - h. 3108-Air Valve Replacement Construction
 - i. 3401-Emergency Plan Development
 - j. 3480-Internal Seal Replacement
- Additional management support on engineering matters for the General Manager in the amount of \$24,800.00.

January 12, 2022

Ms. Betty Burnett
General Manager
South Orange County Wastewater Authority
31592 West St.
Laguna Beach, CA 92651

Subject: Proposal to Provide Construction Project Support, Peer Review, and Assistance for the JB Latham Improvements Project.

Dear Ms. Burnett;

Per South Orange County Wastewater Authority's (SOCWA) request, we offer this proposal for your consideration to provide ongoing peer review of the construction administration of the JB Latham Plant improvements construction project. This proposal assumes these services will be provided on an as-needed basis through the end of August 2022. For budgetary purposes, an average of 4 hours per week of Bob Ohlund's time is assumed.

Estimated Fee

9 months (December 2021 through August 2022) = 39 weeks x 4 hrs/week x \$310/hr = \$48,360

Dudek will provide a monthly status to SOCWA of budget expenditures for budget tracking. If this assumed level of effort is exceeded, Dudek will promptly notify SOCWA of this change in expectation.

Thank you for your consideration of our proposal to perform these engineering service to SOCWA.

Sincerely,



Bob Ohlund, PE
Vice President

January 10, 2022

Ms. Betty Burnett
General Manager
South Orange County Wastewater Authority
31592 West St.
Laguna Beach, CA 92651

Subject: Proposal to Provide CIP Project Engineering Support Assistance

Dear Ms. Burnett;

Per South Orange County Wastewater Authority's (SOCWA) request, we offer this proposal for your consideration to provide engineering support services for CIP project implementation to assist in the transition to a new Director of Engineering assumed to be a three (3) month period. We understand that with the departure of Jason Manning as former Director of Engineering, SOCWA may be temporarily short-handed in implementing current CIP projects until a new Director of Engineering is appointed. We understand that our work effort will be provided with close coordination and support to David Baranowski, Roni Young, Jeanette Cotinola, and Director of Operations Jim Burror along side with General Manager Betty Burnett.

Dudek services will include engineering peer review and assistance of implementation of CIP projects (ie, design consultant product review, bidding review, construction phase support services, etc.) per the following:

- **Project Team** – The Dudek Team, led by Bob Ohlund and Mike Metts, provides manpower, experienced program managers and engineers with a depth of expertise. By selecting Dudek, SOCWA is connected to not only our proposed Project Team, but also Dudek's palette of diverse expertise.
- **Subconsultants** – No subconsultants are proposed. We will execute all work utilizing Dudek's in-house staff unless other direction is given by SOCWA.
- **Level of Effort** – This assignment is assumed to be over a three (3) month duration providing engineering support services to augment SOCWA's staff. Due to the varying nature of the proposed work assignments, we have taken the approach to provide estimated budgets for each Task corresponding to Project Committees. We will provide monthly updates to the budget status of each task.

Project Scope and Budget – Dudek will provide engineering augmentation to assist SOCWA in executing their Capital Improvement Program. This assignment may include a mix of support services for the following CIP projects identified by SOCWA Staff:

- a. JB Latham Treatment Plant (PC 2) (Not a part – See separate proposal)
- b. San Juan Creek Ocean Outfall (PC 5)
 - i. Outfall port cleaning
- c. Coastal Treatment Plant (PC 15)
 - i. PCL CTP construction project closeout
 - ii. Filanc Sludge Forcemain construction project closeout
 - iii. AWMA Road Sites West 1 and West 2 Embankment Protection

- iv. Foul Air System
- d. Regional Treatment Plant (PC 17)
 - i. Southside Flooding issue
 - ii. West slope protection issue
 - iii. Administration Building repairs
- e. Effluent Transmission Main (PC 21)
 - i. Trail Bridge Crossing Protection
 - ii. ETM Reach B/C Techite Pipe Replacement
 - iii. Air Valve Replacements
- f. Aliso Creek Ocean Outfall (PC 24)
 - i. Internal Seals Replacements
 - ii. Emergency Plan Development

Estimated Fee

The following is a summary of the budgets to be assumed for tracking purposes. These budgets are estimated for effort from January 1, 2022 to March 31, 2022. Dudek will charge on a time and materials basis with these task budgets as caps. If effort is requested exceeding any of these budgets, Dudek will immediately notify SOCWA for direction.

PC 5 – SJC Ocean Outfall	\$ 2,500
PC 15 – Coastal Treatment Plant	\$10,000
PC 17 – Regional Treatment Plant	\$10,000
PC 21 – Effluent Transmission Main	\$15,000
<u>PC 24 – Aliso Creek Ocean Outfall</u>	<u>\$10,000</u>
Total	\$47,500

Thank you for your consideration of our proposal to perform these engineering services to SOCWA.

Sincerely,



Bob Ohlund, PE
Vice President

January 12, 2022

Ms. Betty Burnett
General Manager
South Orange County Wastewater Authority
31592 West St.
Laguna Beach, CA 92651

Subject: Proposal for General Engineering Administrative Support Assistance as
needed by the General Manager.

Dear Ms. Burnett;

Per South Orange County Wastewater Authority's (SOCWA) request, we offer this proposal for your consideration to provide General Engineering Administrative Support Services led by Bob Ohlund to assist in the transition to a new Director of Engineering assumed over a three (3) month period. We understand that our work effort for this assignment will be directed by General Manager Betty Burnett, and may consist of providing coordination and support to David Baranowski and Roni Young. In addition we will assist in coordinating work with the Director of Operations and Maintenance, Jim Burror, for preparation and planning of Capital Projects.

Scope of Work

The scope of work for this assignment will be as-needed as assigned by the General Manager. Effort may consist of assistance in the CIP development, strategic planning and engineering administrative support.

Estimated Fee

This assignment is assumed to be over a three (3) month duration providing engineering support services to augment SOCWA's staff. Our budget assumes an average of 8 hours per week. Due to the varying nature of the proposed work assignments, we propose a budget based on the following:

General Engineering Support – Three (3) months => 10 weeks (8 hrs/week @ \$310/hr) = \$24,800

We will provide monthly updates to the budget status of each task.

Thank you for your consideration of our proposal to perform these engineering services to SOCWA.

Sincerely,



Bob Ohlund, PE
Vice President

Agenda Item

8.A.

Budgeted: Yes

Budget amount: \$30,000

Line Items: Management Support
Services (02/05/15/17/24-5015-02)

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, SOCWA General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: Professional Environmental Services

Summary

This item includes on call services and permit related services related to the NPDES permits.

After the 2017 secondary treated water from the Regional Treatment facility, a key lesson learned, and staff response was to retain on-call biological services to determine if there are biological impacts to spills within the SOCWA service area. Denton Mudry Environmental and GIS Services has served as the on-call biologist to assess the potential damages caused by related spill activities. Services deployed included on site assessment within 24 hours of the spill, flora and fauna impact analysis both short term and long-term depending on the magnitude of the spill, and a final report of the damages. Between 2015 and present, SOCWA spent between \$4,720 to \$22,360 on spill response services.

Funding is within the Fiscal Year Budget for this item.

Recommended Action: Staff recommends that the Board of Directors approve the use of the Denton Mudry Environmental and GIS Services in the amount not to exceed \$30,000 per fiscal year for the term of three years.

Agenda Item

8.B.

Budgeted: N/A

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: PC 5 & PC24 Member Agencies

FROM: Betty Burnett, SOCWA General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: NPDES Permit Hearings

Summary

The San Juan Creek Ocean Outfall (SJCOO) and Aliso Creek draft NPDES Permit will be heard at the San Diego Regional Water Quality Control Board meeting scheduled for Wednesday, March 9, 2022, at the City of Mission Viejo, City Council Chambers, 200 Civic Center, Mission Viejo, CA 92691 starting at 9 a.m. SOCWA submitted the first reports of waste discharge (RWD) for both NPDES permits on November 28, 2016, within the six-month requirement prior to the expiration of the respective NPDES permits. SOCWA worked with the Regional Board on questions related to the permits and included the additional discharge from the Doheny Desal Project by South Coast Water District in the SJCOO as approved in the Engineering Committee and the SOCWA Board.

Discussion/Analysis

Public comments are accepted either in person, by mail or by e-mail to the attention of Joann Lim to SanDiego@waterboards.ca.gov.

If Member Agencies desire to submit written comments using the above email address please indicate in the subject line "Comment - Tentative Order No. R9-2022-0005" and/or "Comment – Tentative Order No. R9-2022-0006" The deadline for submittal of written comments is 5:00 p.m. on February 3, 2022. The SJCOO Tentative Order Number is R9-2022-0005 while the ACOO Tentative Order Number is R9-2022-0006.

SOCWA has received two comments for each outfall from the public and has provided materials for those comments.

Prior Related Project Committee or Board Action(s)

The Doheny Desal project was approved for inclusion by the Board on November 7, 2019 (Item 5.C): http://www.socwa.com/wp-content/uploads/2019/10/Complete-BOD-Book_11.7.19ev1.pdf

Recommended Action: Informational Item.

Attachment: Notice of Public Hearing and Opportunity to comment as published by the San Diego Regional Water Quality Control Board.

San Diego Regional Water Quality Control Board

NOTICE OF PUBLIC HEARINGS AND OPPORTUNITY TO COMMENT

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) is releasing, for public review and comment, Tentative Order No. R9-2022-0005 (NPDES Permit No. CA0107417), *Waste Discharge Requirements for the South Orange County Wastewater Authority Discharge to the Pacific Ocean Through the San Juan Creek Ocean Outfall* and Tentative Order No. R9-2022-0006 (NPDES Permit No. CA0107611), *Waste Discharge Requirements for the South Orange County Wastewater Authority Discharge to the Pacific Ocean Through the Aliso Creek Ocean Outfall* (Tentative Orders).

Document Availability

Information related to this matter, including the Tentative Orders, is currently available and may be reviewed at the San Diego Water Board's office (2375 Northside Drive, Suite 100, San Diego, California 92108), during normal business hours, or at the following webpage:

https://www.waterboards.ca.gov/sandiego/board_decisions/tentative_orders/.

Interested persons may also receive copies of the Tentative Orders by contacting Joann Lim by phone at (619) 521-3362 or by email at Joann.Lim@waterboards.ca.gov.

Submission of Written Comments

Notice is hereby given that the San Diego Water Board will receive written comments on the aforementioned Tentative Orders in accordance with this notice pursuant to the Code of Federal Regulations (CFR), title 40, section 124.10 (40 CFR 124.10) and Water Code section 13167.5.

The submission of written comments is the opportunity for interested persons to raise and comment on issues pertaining to the Tentative Orders. Interested persons may submit written comments on the Tentative Orders during the public comment period, either in person, by mail or by e-mail to the attention of Joann Lim to SanDiego@waterboards.ca.gov. Please indicate in the subject line of all written comments "Comment - Tentative Order No. R9-2022-0005" and/or "Comment – Tentative Order No. R9-2022-0006" The deadline for submittal of written comments is **5:00 p.m. on February 3, 2022**.

The early submission of written comments on the Tentative Orders is encouraged. Written comments received by 5:00 p.m. on February 3, 2022 will be provided to the San Diego Water Board members for their review in advance of the public hearings to consider adoption of the Tentative Orders. The San Diego Water Board will prepare written responses to significant comments that are timely received.

CELESTE CANTÚ, CHAIR | DAVID GIBSON, EXECUTIVE OFFICER

2375 Northside Drive, Suite 100, San Diego, CA 92108-2700 | www.waterboards.ca.gov/sandiego

Consistent with State Water Resources Control Board regulations that apply to this proceeding, written comments received after 5:00 p.m. on February 3, 2022 will not be accepted and will not be incorporated into the administrative record if doing so would prejudice any party except at the discretion of the Chair in accordance with section 648.4, title 23 of the California Code of Regulations (CCRs).

Public Hearings for Consideration of Tentative Order Adoptions

The San Diego Water Board will conduct public hearings on the proposed actions during the San Diego Water Board meeting scheduled for **Wednesday, March 9, 2022**, at the **City of Mission Viejo, City Council Chambers, 200 Civic Center, Mission Viejo, CA 92691**. These items will be considered separately by the San Diego Water Board during a meeting that starts at 9:00 a.m. These public hearings are currently scheduled for in-person attendance, but the format may be changed in the future to also allow for video and teleconference attendance. The meeting agenda, which will indicate any changes in the meeting location and may provide other specific information concerning this hearing, will be posted at least two weeks prior to the meeting date at https://www.waterboards.ca.gov/sandiego/board_info/agendas/2021/dec/. Reasonable time limits may be set for oral statements. The hearing facilities will be accessible to persons with disabilities. The meeting notice and agenda for this meeting will provide contact information for persons requesting special accommodations.

The procedures governing San Diego Water Board meetings may be found in the CCRs, title 23, section 647, *et seq.* and are available upon request.

Contact for Further Information

Please contact Joann Lim, by phone at (619) 521-3362 or by email at Joann.Lim@waterboards.ca.gov, for information regarding the Tentative Orders. Please bring the foregoing to the attention of any person known to you who would be interested in these matters.

January 4, 2022

Agenda Item

8.C.

Budgeted: No
Budget amount: \$ 45,000
Line Item: 12-5015-02, 12-5017-02
Legal Counsel Review: Yes
Meeting Date: February 3, 2022

TO: PC 12 Board of Directors

FROM: Betty Burnett, SOCWA General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: Supporting Services Salt & Nutrient Management Plan

Summary

The 2020 Salt and Nutrient Management Plan was submitted to the San Diego Regional Water Quality Control Board (SDRWQCB) on August 17, 2021. According to the 2018 Recycled Water Policy, the SDRWQCB has six months to review the SNMP to determine if the Plan is compliant with the 2018 Recycled Water Policy. On December 21, 2021 SOCWA received a comment letter on the SOCWA 2020 SNMP which deemed portions of the SNMP non-compliant with the 2018 Recycled Water Policy. SOCWA staff is holding biweekly calls with the SDRWQCB to address the concerns articulated in the letter. SOCWA staff is supporting services in two areas related to the SNMP.

First, to assist in providing response to technical comments SOCWA is seeking the permit engineering services of Dr. Michael Welch, independent consultant. As the 2018 Recycled Water Policy is new to the regulatory environment SOCWA is also seeking informational and educational support from Counsel who has experience working on SNMP documentation in California. The consultant who can provide that background to the effort is Theresa Dunham, who is an attorney with the firm Kahn, Soares, and Conway, LLP. Ms. Dunham is an industry expert with directly relatable experience within the 2009 Recycled Water Policy.

The 2020 SOCWA SNMP is the first SNMP in the state of California to be reviewed under the 2018 Policy. It is the intent of these additional management support services to provide actionable guidance for a compliant SNMP with the 2018 Recycled Water Policy.

Background

SOCWA previously submitted the first SNMP to the SDRWQCB in July 2014 with SOCWA Board adoption of the plan through resolution. SOCWA submitted an updated SNMP in August 2016 when the Regional Board provided comments related to implementation measures which included an updated monitoring and reporting program. The 2009 Recycled Water Policy did not include time constraints on review and acceptance by Regional Boards leaving the SOCWA SNMP in a non-approved but submitted status.

Through a succession of a draft updated recycled water master permit and SOCWA contract for support for staff at the SDRWQCB in the triennial review process, the SDRWQCB indicated that SOCWA would need to submit an updated SNMP that would be compliant with the 2018 Recycled Water Policy. SDRWQCB provided additional comments to the 2016 SNMP and SOCWA staff and consultants held a series of meetings which reviewed interim work products for an updated SNMP. Through these meetings it was determined that due to the technical modeling experience of the Wildermuth Firm, that SOCWA consultants would proceed with the production of the 2020 SNMP. SDRWQCB staff is continuing the process of interpreting the requirements of the 2018 Recycled Water Policy as well as gaining familiarity with the previous SOCWA submissions.

SOCWA staff is in the process of holding bi-weekly meetings with SDRWQCB staff to identify approaches to addressing their questions and concerns. SOCWA staff will provide a brief update of the progress at the February 3, 2022 Board meeting.

Scope of Services

Dr. Welch will provide technical assistance to respond to the data and technical information requests of the Regional Board Staff. Ms. Dunham will be assistive as to the approach to applying recycled water within areas of the San Juan Basin where water quality objectives exceed basin plan standards. Both Dr. Welch and Ms. Dunham will be advisory as to the history of the evolution of SNMP requirements under the 2018 Policy. Both will be able to contribute to formulating options and opportunities with SOCWA staff as to how we can best facilitate reaching concurrence with the staff of the SDRWQCB.

SOCWA staff is requesting \$10,000 for the services of Dr. Welch at a rate of \$195 per hour.

Staff is requesting \$35,000 for the services of Tess Dunham at a rate of \$400 per hour.

A corresponding adjustment to the PC 12 Budget for Fiscal Year 2021-22 management support services is requested for these amounts.

On January 19, 2022, SOCWA PC12 members met to review the requested items. All SOCWA PC12 Committee representatives were present at the meeting agreed to move the staff recommendation to the Board for consideration.

Recommended Action:

1. Staff recommends the PC12 Members to approve a budget adjustment not to exceed \$35,000 and authorize the General Manager to engage Ms. Tess Dunham or advisory services.
2. Staff recommends PC 12 Members to approve a budget adjustment not to exceed \$10,000 and authorize the General Manager to engage Dr. Michael Welch for technical support services.

**THERESA DUNHAM
KAHN, SOARES & CONWAY, LLP**

Theresa “Tess” Dunham is a partner in KSC. Her practice has been laser-focused on California and federal water quality laws for more than 20 years, during which she has become known statewide for expertise on the Porter Cologne Water Quality Control Act, the Clean Water Act, and other related regulatory schemes. Tess works closely with agriculture, publicly owned treatment works, stormwater agencies, industry and others on a variety of water quality issues. She appears regularly before the State Water Resources Control Board, and the state’s regional water quality control boards on various and complex water quality issues. Tess’ water quality law practice also carries over to the state and federal courts where she has represented clients at all levels.

For the last decade, Tess has represented the Central Valley Salinity Coalition (CVSC) and served as one of the chief architects of the Central Valley Salt and Nitrate Management Plan, which is designed to deal with the problem of salt and nitrate in Central Valley groundwater basins. Tess actively participates in the Central Valley Salinity Alternatives for Long-term Sustainability (CV-SALTS) Executive Committee along with the Central Valley Regional Water Quality Control Board, environmental justice advocates, state agencies, federal agencies and others. Tess also provides regulatory and facilitation services to the Santa Ana Watershed Project Authority for several Task Forces, including the Basin Monitoring Task Force, which oversees implementation of the Santa Ana region’s historic salt and nitrate management plan. Tess is also providing regulatory facilitation assistance to the Middle Santa Ana River’s Bacteria TMDL Task Force and the Lake Elsinore/Canyon Lake Nutrient TMDL Task Force.

Tess earned her J.D. from McGeorge School of Law and studied history at Boston University as an undergrad. She is a graduate of the California Agriculture Leadership Program and received a certificate in Executive Leadership from the University of California, Davis. Beyond her law practice, Tess enjoys time with her husband David, three children and grandson. Tess was raised on a sheep ranch and rice farm in Colusa County and continues the family agriculture business of rice farming.

Agenda Item

8.D.

Budgeted: Yes
Budget amount: \$198,000
Line Item:
Legal Counsel Review: No
Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Sean Peacher, Environmental Compliance Safety Manager

SUBJECT: Onsite Audio Alert Systems for SOCWA Facilities

Summary

Pursuant to Cal OSHA, CCR Title 8 Section 3220, SOCWA is required to deploy at its Plant sites an alarm system as part of the Agency's Emergency Action Plan. SOCWA does not currently have at each site an active and working audio alert system. Staff has been in a process of investigating options and recommends to the Board to proceed to approve SOCWA implementing onsite audio alert systems (also known as PA System) at each Wastewater Treatment Plant.

The proposed system would include onsite paging and messaging that is audible by onsite agency personnel and site visitors in all interior and exterior locations. The system would also work within the buildings located within the treatment plants, above ground and below ground. The onsite audio system is to include visual indicators in high-noise interior areas.

Discussion/Analysis

A Request for Proposal was issued on October 15, 2021 via Planet Bids. A Pre-Bid Job Walk was held on October 29, 2021 at the JB Latham Treatment Plant, the Regional Treatment Plant, and the Coastal Treatment Plant. The Pre-Bid Job Walk was led by SOCWA's Environmental Compliance Safety Risk Manager, with support provided by SOCWA's IT Systems Administrator and SOCWA's Support Services Manager. A total of five prospective contractors were present at the Pre-Bid Job Walk held on October 15, 2021 on SOCWA Facilities. An internal meeting was later held on January 5, 2022 with SOCWA Staff in order to discuss and review the evaluation criteria for completion of bid selection. The implementation of the proposed onsite audio alert system is to be completed by June 30, 2022.

Scope of Work

- Installation of Onsite Audio Alert System at three SOCWA Treatment Plants:
 - JB Latham Treatment Plant (JBL): 34156 Del Obispo, Dana Point, CA
 - Regional Treatment Plant (RTP): 29201 La Paz Road, Laguna Niguel, CA
 - Coastal Treatment Plant (CTP): 28303 Alicia Parkway, Laguna Niguel, CA
- Evaluate exterior/interior locations, identify areas for implementation of system

- Includes evaluation of existing analog system (for functionality and recommendations)
- Onsite audio alert system is to include visual indicators in high-noise interior areas
- Proposed system to include onsite paging and messaging audible by onsite personnel and site visitors, in all interior and exterior locations within each treatment plant
- Propose all cabling and network equipment (if required) to implement onsite audio alert system coverage for entire plant using the information from the network cabling & equipment survey
- Project is to take into consideration the possibility of implementing an onsite audio system that is compatible with SOCWA's existing Yealink IP phones using multicast codec G722 with full coverage through all areas of the Plant

A total of three cost estimates were received (via Planet Bids) prior to the Bid Submittal Date of November 18, 2021. The prospective bidders include:

- ADT Commercial
- Enterprise Security, Inc.
- X-Act Technology Solutions

Prior Related Project Committee or Board Action(s)

The Agency's existing PA System at the three wastewater treatment plants consists of hard-wired underground infrastructure is not functioning. The implementation of an onsite audio alert system at the Agency's Wastewater Treatment Plants was previously budgeted for project completion in Fiscal Year 2019-2020; however, the project did not move forward at that time.

Fiscal impact

The Fiscal Year 2021/2022 budget is \$198,000 for the implementation of an onsite audio alert system (also known as PA System) at three of the Agency's Wastewater Treatment Plants.

Cost of Proposals Received:

- ADT = \$192,245 Total
 - (JBL = \$64,690.00 / RTP = \$67,950.00 / CTP = \$59,605.00)
- Enterprise Security, Inc. = \$255,164.22 Total
 - (JBL = \$73,058.79 / RTP = \$96,342.24 / CTP = \$85,763.59)
- X-Act Technology Solutions = \$239,727 Total
 - (JBL = \$79,909 / RTP = \$79,909 / CTP = \$79,909)

Recommended Action: Staff recommends that the Board of Directors award a contract to Enterprise Security, Inc. in the amount not to exceed \$255,164.62 (JBL \$73,058.79 / RTP \$96,342.24 / CTP \$85,763.59).

Agenda Item

8.E.

Budgeted:

Budget amount:

Line Item:

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Sean Peacher, Environmental Compliance Safety Risk Manager

SUBJECT: WEROC Funding for Fiscal Year 2021/2022

Summary

The purpose of the Water Emergency Response Organization of Orange County (WEROC) is to protect water and wastewater services through preparedness and response coordination. The services and support provided by WEROC is an extension of Member Agency staffing in preparedness efforts, and a resource during emergencies to ensure representation and recovery. WEROC maintains its Emergency Operation Center (EOC) along with its logistical support location, which has its own response plans and trained staff. Additionally, the WEROC program has continued to provide support and efforts to its agencies in response to the ongoing pandemic. WEROC continues to be a strong leader for regional water and wastewater emergency coordination and response by improving emergency communications, providing training and exercises (such as ICS Trainings, EOC Trainings, and Cyber Security Trainings), and continuing to advocate and participate in meetings at all levels of government and with private partners.

Fiscal impact

The cost of the WEROC Membership invoiced to SOCWA covers the cost of SOCWA's WEROC Membership, and also includes the cost of SOCWA Member Agency Membership in WEROC.

WEROC Membership costs in previous years were:

- FY 2020/21 = \$18,334 (3.8% of Total WEROC Operational Budget Share)
- FY 2019/20 = \$17,402 (3.8% of Total WEROC Operational Budget Share)

Current Membership costs are:

- FY 2021/22 - \$19,786 (3.8% of Total WEROC Operational Budget Share) – within the current Fiscal Year Budget
- Anticipated FY 2022/23 - \$20,493.48 (3.8% of Total WEROC Operational Budget Share) – to be included in the Fiscal Year 2022/23 Budget

Recommended Action: Staff recommends that the Board of Directors authorize SOCWA continuing WEROC Membership as follows:

- FY 2021/22 - \$19,786 (3.8% of Total WEROC Operational Budget Share) – within the current Fiscal Year Budget
- Anticipated FY 2022/23 - \$20,493.48 (3.8% of Total WEROC Operational Budget Share) – to be included in the Fiscal Year 2022/23 Budget

Agenda Item

8.F.

Budgeted: No

Budget amount: \$15,000

Line Item:

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: PC 2, 15, & 17 Board Members

FROM: Betty Burnett, General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: CASA Climate Change Program Manager Funding Request

Summary

The California Association of Sanitation Agencies (CASA) has distributed a request for funding a Climate Change Program Manager for technical advocacy purposes related to sanitation specific zero-emission and electrification policy developments. The Program Manager would meet with representatives and attend meetings related to the following regulatory agencies: California State Air Resources Board (CARB), the State Water Resources Control Board (SWRCB), the California Energy Commission (CEC), the California Public Utilities Commission (CPUC), the California Natural Resources Agency (CNRA), CalRecycle, Local Air Management Districts, and the U.S. Environmental Protection Agency (US EPA). The proposal encompasses calendar year 2022 and 2023 with monetary donations to cover the Program Manager's activities over that period.

Discussion/Analysis

SOCWA and other Southern California Association of POTW (SCAP) agencies have received a proposal for services by the Carollo Firm for a two-year period totaling \$223,456 for 2022 and \$222,381 for 2023. Large agencies are requested to commit \$25,000 for these efforts while small agencies are requested to submit \$5,000. SOCWA's annual contribution to CASA membership is \$18,000 as a small agency. SOCWA has been identified as a small agency related to this contribution request. However, due to the pressing policy decisions before the various regulatory agencies a combined total of \$15,000 from each of the three treatment facilities would be beneficial to support to position.

Fiscal impact

The requested amount for contribution is \$5,000 for each project committee, split based on FY 21-22 Solids loading budget or each of the three treatment facilities: JB Latham Facility, Regional Treatment Plant, and Coastal Treatment Plant. For the Coastal Treatment Facility, the liquids budget was utilized. Solids loading was utilized as a means to resolve treatment related to historic air management regulatory compliance related to solids treatment at each of the facilities, where applicable.

The breakdown in cost per agency using the methodology is as follows:

PC 2 Member Agencies	FY 21-22 Solids Budget	Contribution (\$)	PC15 Member Agencies	FY 21-22 Budget	Contribution (\$)	PC17 Member Agencies	FY 21-22 Solids Budget	Contribution (\$)	Total Contribution per Member Agency (\$)
CSJC	22.86%	\$1,143							\$1,143
			EBS	2.83%	\$142	EBS	0.92%	\$46	\$188
			CLB	56.52%	\$2,826	CLB	14.82%	\$741	\$3,567
SCWD	23.59%	\$1,180	SCWD	40.65%	\$2,033	SCWD	8.09%	\$405	\$3,617
						ETWD	15.25%	\$763	\$763
SMWD	32.32%	\$1,616							\$1,616
MNWD	21.22%	\$1,061	MNWD	0.00%	\$0	MNWD	60.93%	\$3,047	\$4,108
		\$5,000			\$5,000			\$5,000	\$15,000

Table 1: Per Agency cost breakdown for this funding request.

These contributions are not currently within the line items for the Fiscal Year 2021-22 Year and staff could request a budget adjustment to allow for the funding.

Recommended Action:

- Staff recommends to establish a budget adjustment for FY 2021-22 in the amount of \$15,000 for the CASA Climate Change Program.
- Staff recommends to Project Committee 2 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Staff recommends to Project Committee 15 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.
- Staff recommends to Project Committee 17 Members approval of \$5,000 contribution to the CASA Climate Change Program Manager.

Attachment(s) Please find the CASA and SCAP Funding Request to Utility Mangers.



January 11, 2022

Re: Funding Request to Enhance CASA's Climate/Air Quality/Energy Advocacy

Dear Southern California Utility Managers:

We are at a critical point with wastewater sector advocacy needs on air quality, climate and energy regulations that if not changed will have a significant impact on our sector. Since the majority of these are Statewide policies, SCAP has been working in a supporting role closely with CASA. To be more effective we need to provide CASA with more resources. Please see the attached proposal from LACSD to enhance CASA's climate/air quality/energy advocacy resources.

We anticipate this to be a two-year campaign and are suggesting the following contribution levels:

- Large agency: \$25,000 per year for two years
- Small agency: \$5,000 per year for two years

LACSD will be contributing at the \$25,000 per year level.

The minimum funding goal is \$150,000 per year for two years. The \$150,000 amount includes \$100,000 for technical advocacy from Sarah Deslauriers and the Carollo team and \$50,000 for a lobbyist to assist with getting access to CARB policy makers and California lawmakers (see attached enhanced scope of work from Carollo). CASA is currently attempting to identify potential lobbyists and will provide additional information to SCAP before retaining any lobbyists. SCAP will provide status reports of the funds raised to the SCAP Board and contributing agencies in February and March of 2022. If funding commitments exceed the \$150,000 goal, surplus funding will be dedicated to year two, or if needed and with permission of the donors, used to improve and enhance the advocacy efforts.

To provide a greater understanding of the issues we are facing, David Rothbart, LACSD and SCAP Air Quality Committee Chair, will be providing a virtual presentation on these air quality challenges on Thursday, January 27 from 1:30 pm to 2:30 pm. Please note that this is the same presentation that was provided to the SCAP Board on December 2nd. The presentation is



approximately 20 minutes long and will be followed by a question and answer period. The presentation will be recorded, and a link will be provided for future viewing.

Join Zoom Meeting

<https://us02web.zoom.us/j/3791213334>

Meeting ID: 379 121 3334

Passcode: SCAP

One tap mobile

+16699009128,,3791213334#,,,,*795524# US (San Jose)

+12532158782,,3791213334#,,,,*795524# US (Tacoma)

Dial by your location

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

Meeting ID: 379 121 3334

Passcode: 795524

Please contact SCAP with the amount your agency is able to contribute and SCAP will follow up with an invoice. SCAP will collect the funds and distribute to CASA. We request a response by February 18, 2022 or sooner.

This request is also being made to the Bay Area Clean Water Agencies (BACWA) Board and select larger agencies in the Central Valley Area.

If there are any questions, please feel free to contact me or David.

Steve Jepsen, SCAP - Executive Director

sjepsen@scap1.org 760.415.4332

David Rothbart, LACSD - SCAP Air Quality Committee Chair

drothbart@lacsdc.org 562-908-4288 ext. 2412



Sincerely,

Steve Jepsen

A handwritten signature in blue ink, appearing to read 'Steve Jepsen'.

Executive Director - SCAP

Attachments

- LACSD Proposal to Enhance CASA's Climate/Air Quality/Energy Advocacy
- Carollo Scope of Work

January 11, 2022

Mr. Adam Link
925 L Street, Suite 200
Sacramento, CA 95814
e-mail submittal: alink@casaweb.org

Subject: Scope of services and budget for providing CASA's Air Quality, Climate Change, and Energy Workgroup an enhanced level of support for calendar years 2022 and 2023

Dear Mr. Link:

Thank you for requesting a scope of services and budget to provide an enhanced level of support to CASA's Air Quality, Climate Change, and Energy (ACE) Workgroup over the next two calendar years (2022 and 2023). As requested, Carollo Engineers (CONSULTANT) is submitting the following proposed scope of services and supporting budgets for consideration.

SCOPE OF SERVICES

The Scope of Services as summarized in tasks below was originally developed for performing typical year-to-year activities in support of CASA's ACE Workgroup. However, over the next two years there is a significant increase in demand for support to adequately respond to the California Air Resources Board's (CARB's) developing vehicle electrification regulations and their subsequent implementation, as well as a higher level of simultaneous administrative activity on climate, air quality and energy issues underway by other regulatory agencies than previously anticipated. The significance of these developing regulations is compounded by the fact that they threaten the implementation of other programs critical to achieving short-lived climate pollutant reduction via WWTPs and the wastewater sector's overall resilience during power outages (which is unacceptable as an essential public service provider vital to life and health).

While the high-level task descriptions remain the same, it is estimated that an additional \$100,000 is needed at minimum for each calendar year (2022 and 2023) to provide the needed enhanced level of coordination, verbal and written responses, engagement in public workshops and hearings, and outreach to state agency staff, executives, and board members. Table 1 shows the originally estimated level of effort for fiscal year 2021-2022, and Tables 2 and 3 show the estimated increase in budget (\$100,000) and related level of effort for responding to the quickly developing electrification regulations in calendar years 2022 and 2023, respectively – this translates to an approximate 80% increase in hours of Carollo staff support. Carollo will provide support services for the Program Manager (Sarah Deslauriers) as needed at a lower billing rate to optimize the contract budget. Types of support services may include administrative, technician, analyst, graphics, etc. In addition, the existing coordination of activities with CASA staff under the current agreement, particularly CONSULTANT's work with CASA's Director of Renewable Resource Programs and ACE programs, will continue in a similar manner under the expanded agreement.

TASK 1 – MEETINGS

CONSULTANT will plan, organize, and lead monthly webinar/conference calls in conjunction with CASA's ACE Workgroup. To the extent needed, in-person meetings will be coordinated with video conferencing made available as appropriate in Carollo offices. Frequency of meetings and calls are flexible at the direction of the CONSULTANT, CASA, and with input from the ACE Workgroup and project funders.

TASK 2 – ISSUE REVIEW AND COMMUNICATIONS

CONSULTANT will monitor regulatory agencies that develop climate change, air quality, and applicable energy regulations, in conjunction with CASA, that may affect POTWs including, but not limited to the California State Air Resources Board (CARB), the State Water Resources Control Board (SWRCB), the California Energy Commission (CEC), the California Public Utilities Commission (CPUC), the California Natural Resources Agency (CNRA), CalRecycle, Local Air Management Districts, and the U.S. Environmental Protection Agency (US EPA). The CONSULTANT is expected to interact with pertinent agencies, including meeting with agency staff, participating in key workshops and hearings, and drafting correspondence. Issues the CONSULTANT is anticipated to track, review, analyze, and participate in during FY 2021-2022 include, but may not be limited to:

- Informing the CARB and local Air District staff on liquids treatment in CA - with the purpose of educating staff on the variability of nitrous oxide and other process emissions.
- CARB Climate Change Scoping Plan Update and related developments.
 - CNRA Natural and Working Lands Climate Smart Strategy.
 - CARB Advanced Clean Vehicles Regulations.
 - CEC, CPUC, and CARB Clean and Renewable Electricity under SB 100.
 - Continuing work with CARB, CalRecycle, and the State Water Resources Control Board (SWRCB) staff on regulatory development and implementation of Short-Lived Climate Pollutant Reduction Strategies under SB 1383 regulations.
 - Tracking and responding to Environmental Justice Advisory Committee developments.
- Continuing work with CARB, CalRecycle, and SWRCB staff on establishing funding allocations out of the Cap-and-Trade Greenhouse Gas (GHG) Reduction Fund to wastewater projects.
- California Adaptation
 - CNRA Fourth Adaptation Strategy Update.
 - Climate change adaptation assessments and measures as they relate to permit requirements (including State Water Board, Regional Water Board and Coastal Commission activities).
- Tracking and facilitating efforts related to updates to AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines (EICG) and the Reporting of Criteria Air Pollutants and Toxic Air Contaminants (CTR) under AB 617 to CARB and local AQMDs.
- New Best Available Control Technology (BACT) for emergency standby diesel engines in specified local air districts.
- Coordinating regional/local air district issues with state-level issues.
- Continuing to track and engage in discussions or comments on the following as necessary:
 - State legislation
 - CNRA online sea level rise database
 - CARB Mandatory GHG Reporting and Cap-and-Trade Regulations updates
 - EPA Mandatory Reporting Regulation updates
 - EPA Clean Power Plan updates
 - EPA Existing Source Performance Standards updates
 - EPA Biogenic Emissions Accounting Framework updates
 - White House Budget for Energy Efficiency and Renewable Energy Programs
 - NACWA Energy Workgroup
 - NACWA Climate & Resilience Committee

- NEPA Guidance on GHG Emissions
- CEQA Guidance on GHG Emissions
- CEC Climate Change Research Plan updates
- CalEnvironScreen Tool / EPA EJScreen Tool
- Other funding opportunities

TASK 3 - COORDINATION ACROSS WATER SECTOR ORGANIZATIONS

The CONSULTANT will coordinate with POTW and other water sector organizations on issues of mutual interest. The purpose of this coordination will be to share useful information, identify areas of joint cooperation, and prepare common responses on key issues, where technically appropriate. POTW organizations include but are not limited to the California Water Environment Association (CWEA), Bay Area Clean Water Agencies (BACWA), Southern California Alliance of POTWs (SCAP), Central Valley Clean Water Association (CVCWA), Water Environment Federation (WEF), Water Research Foundation (WRF), League of California Cities, and National Association of Clean Water Agencies (NACWA). Activities may include periodic conference calls, meetings, and exchange of draft or published materials.

CONSULTANT will also coordinate with and disseminate information to members. This may include email communications, presentations at conferences and workshops hosted by the member associations, and participation in meetings of the Clean Water Summit Partners.

Under this task, the CONSULTANT will also respond on an as-needed basis to questions from individual members.

TASK 4 – OTHER DUTIES AS ASSIGNED

The CONSULTANT will perform work under this task as directed by the CASA Executive Director or other CASA staff in consultation with the Executive Director. Duties may include limited involvement in legislative activities or other specialized services required on an ad-hoc basis.

Table 1. Estimated 2021-2022 Budget before Budget Enhancement to Respond to Proposed Electrification Regulations

Climate Change Program Manager (Air Quality, Climate Change, and Energy Workgroup Lead)
California Association of Sanitation Agencies

Task	TASK DESCRIPTION	CAROLLO TEAM LABOR HOURS					Total Estimated Costs
		PM	PP	AP	Total Labor Hours	Total Labor Costs	
1.0	Meetings	72	0	0	72	\$16,992	\$16,992
	Task 1 - Subtotal	72	0	0	72	\$16,992	\$16,992
2.0	Issue Review and Communications						
2.1	Legislative Bill Review & Input	40	0	0	40	\$9,440	\$9,440
2.2	2022 Scoping Plan Update	240	0	0	240	\$56,640	\$56,640
2.2.1	Natural & Working Lands Climate Smart Strategy						
2.2.2	Advanced Clean Vehicles Regulations						
2.2.3	Clean and Renewable Electricity (SB 100)						
2.2.4	Short-Lived Climate Pollutant Reduction (SB 1383)						
2.2.5	CARB/EJAC Engagement						
2.3	Can-and-Trade Investment Plan	8	0	0	8	\$1,888	\$1,888
2.4	California Adaptation	40	0	0	40	\$9,440	\$9,440
2.4.1	CCC Critical Infrastructure SLR Planning Guidance (coordinate SWRCB & OPC)						
2.4.2	Fourth Adaptation Strategy Update						
2.4.3	SWRCB Climate Change Preparedness Survey						
2.5	Air Toxics Statewide Two-Step Process	40	0	0	40	\$9,440	\$9,440
2.5.1	CARB Staff Engagement/Scope Development						
2.5.2	Participating Agency Identification/Governance Structure						
2.5.3	RFP Support/Coordination						
2.6	BACT Development/Engagement	24	0	0	24	\$5,664	\$5,664
2.7	Regional Air District Issue Coordination with State-Level Issues	20	0	0	20	\$4,720	\$4,720
	Task 2 - Subtotal	280	0	0	280	\$66,080	\$66,080
3.0	Coordination with CASA Staff and Across Water Sector Organizations	40	0	0	40	\$9,440	\$9,440
	Task 3 - Subtotal	40	0	0	40	\$9,440	\$9,440
4.0	Other Duties as Assigned (as directed by Executive Director)	0	0	0	0	\$0	\$0
	Task 4 - Subtotal	0	0	0	0	\$0	\$0
	SUBTOTAL	524	0	0	524	\$123,664	\$123,664
	Hourly Rate	\$236	\$280	\$193			
Legend:							
PM	Program Manager						
PP	Project Professional						
AP	Assistant Professional						

Table 2. Proposed 2022 Budget to Respond to Proposed Electrification Regulations
Climate Change Program Manager (Air Quality, Climate Change, and Energy Workgroup Lead)
California Association of Sanitation Agencies

Task	TASK DESCRIPTION	CAROLLO TEAM LABOR HOURS					Total Estimated Costs
		PM	PP	AP	Total Labor Hours	Total Labor Costs	
1.0	Meetings	72	0	0	72	\$16,992	\$16,992
	Task 1 - Subtotal	72	0	0	72	\$16,992	\$16,992
2.0	Issue Review and Communications						
2.1	Legislative Bill Review & Input	40	0	0	40	\$9,440	\$9,440
2.2	2022 Scoping Plan Update	432	0	160	592	\$132,832	\$132,832
2.2.1	Natural & Working Lands Climate Smart Strategy						
2.2.2	Advanced Clean Vehicles Regulations						
2.2.3	Clean and Renewable Electricity (SB 100)						
2.2.4	Short-Lived Climate Pollutant Reduction (SB 1383)						
2.2.5	CARB/EJAC Engagement						
2.3	Can-and-Trade Investment Plan	8	0	0	8	\$1,888	\$1,888
2.4	California Adaptation	40	0	0	40	\$9,440	\$9,440
2.4.1	CCC Critical Infrastructure SLR Planning Guidance (coordinate SWRCB & OPC)						
2.4.2	Fourth Adaptation Strategy Update						
2.4.3	SWRCB Climate Change Preparedness Survey						
2.5	Air Toxics Statewide Two-Step Process	64	0	0	64	\$15,104	\$15,104
2.5.1	CARB Staff Engagement/Scope Development						
2.5.2	Participating Agency Identification/Governance Structure						
2.5.3	RFP Support/Coordination						
2.6	BACT Development/Engagement	24	0	0	24	\$5,664	\$5,664
2.7	Regional Air District Issue Coordination with State-Level Issues	64	0	0	64	\$15,104	\$15,104
	Task 2 - Subtotal	472	0	160	632	\$142,272	\$142,272
3.0	Coordination with CASA Staff and Across Water Sector Organizations	72	0	0	72	\$16,992	\$16,992
	Task 3 - Subtotal	72	0	0	72	\$16,992	\$16,992
4.0	Other Duties as Assigned (as directed by Executive Director)	0	0	0	0	\$0	\$0
	Task 4 - Subtotal	0	0	0	0	\$0	\$0
	SUBTOTAL	816	0	160	976	\$223,456	\$223,456
	Hourly Rate	\$236	\$280	\$193			
Legend:							
PM	Program Manager						
PP	Project Professional						
AP	Assistant Professional						

Table 3. Proposed 2023 Budget to Respond to Proposed Electrification Regulations
Climate Change Program Manager (Air Quality, Climate Change, and Energy Workgroup Lead)
California Association of Sanitation Agencies

Task	TASK DESCRIPTION	CAROLLO TEAM LABOR HOURS					Total Estimated Costs
		PM	PP	AP	Total Labor Hours	Total Labor Costs	
1.0	Meetings	72	0	0	72	\$17,502	\$17,502
	Task 1 - Subtotal	72	0	0	72	\$17,502	\$17,502
2.0	Issue Review and Communications						
2.1	Legislative Bill Review & Input	40	0	0	40	\$9,723	\$9,723
2.2	2022 Scoping Plan Update (continued regulatory development)	400	0	160	560	\$129,038	\$129,038
2.2.1	Natural & Working Lands Climate Smart Strategy						
2.2.2	Advanced Clean Vehicles Regulations						
2.2.3	Clean and Renewable Electricity (SB 100)						
2.2.4	Short-Lived Climate Pollutant Reduction (SB 1383)						
2.2.5	CARB/EJAC Engagement						
2.3	Can-and-Trade Investment Plan	8	0	0	8	\$1,945	\$1,945
2.4	California Adaptation	40	0	0	40	\$9,723	\$9,723
2.4.1	CCC Critical Infrastructure SLR Planning Guidance (coordinate SWRCB & OPC)						
2.4.2	Fourth Adaptation Strategy Update						
2.4.3	SWRCB Climate Change Preparedness Survey						
2.5	Air Toxics Statewide Two-Step Process	64	0	0	64	\$15,557	\$15,557
2.5.1	CARB Staff Engagement/Scope Development						
2.5.2	Participating Agency Identification/Governance Structure						
2.5.3	RFP Support/Coordination						
2.6	BACT Development/Engagement	24	0	0	24	\$5,834	\$5,834
2.7	Regional Air District Issue Coordination with State-Level Issues	64	0	0	64	\$15,557	\$15,557
	Task 2 - Subtotal	440	0	160	600	\$138,762	\$138,762
3.0	Coordination with CASA Staff and Across Water Sector Organizations	72	0	0	72	\$17,502	\$17,502
	Task 3 - Subtotal	72	0	0	72	\$17,502	\$17,502
4.0	Other Duties as Assigned (as directed by Executive Director)	0	0	0	0	\$0	\$0
	Task 4 - Subtotal	0	0	0	0	\$0	\$0
	SUBTOTAL	784	0	160	944	\$222,381	\$222,381
	Hourly Rate	\$243	\$288	\$199			
Legend:							
PM	Program Manager						
PP	Project Professional						
AP	Assistant Professional						

Mr. Adam Link
January 11, 2022
Page 7

We appreciate your consideration on this scope of services and budget and look forward to working more closely with you and your staff. Please do not hesitate to contact us if you have any questions or require additional information.

Sincerely,

CAROLLO ENGINEERS, INC.

A handwritten signature in dark ink, reading "Sarah A. Deslauriers". The signature is fluid and cursive, with the first name "Sarah" being more prominent.

Sarah Deslauriers, PE, ENV SP
Vice President
sdeslauriers@carollo.com
M 925-705-6404

Agenda Item

8.G.

Legal Counsel Review: No

Meeting Date: February 3, 2022

TO: PC-2, PC-15 & PC-17 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Aptean Tabware Software Renewal
[Project Committee Nos. 2, 15 and 17]

Summary

SOCWA uses Aptean's Tabware software for its computerized maintenance management systems (CMMS). SOCWA needs to renew its hosting, license, subscription, and maintenance Contract at the end of the current Contract's initial 1-year term. Staff requests the Board approve a 1-year extension of the Contract for \$38,369.10.

Discussion/Analysis

The Contract includes the following new/amended features and services.

- Unlimited Requestor utilization for multiple users. (The ability for all SOCWA employees to request a work order.)
- 14 concurrent user licenses for Tabware Technician.
- Technician daily and weekly maintenance schedule user interfaces.
- Tabware Xi access for Supervisory staff.
- Tabware Analytics, including data visualization for maintenance metrics.

This renewal is a Contract Amendment to the original 2-year Contract. The total value of the amended Contract is \$60,804.10, with the additional 1-year at \$38,369.10.

Prior Related Project Committee or Board Action(s)

None

Fiscal impact

This renewal of the existing \$22,435 license is within the existing FY 2021-22 Budget.

The allocations of this amendment by member agency are shown below for each Project Committee:

PC	Amendment
PC2-JBL	\$12,789.70
PC15-CTP	\$12,789.70
PC17-RTP	\$12,789.70
Total	\$38,369.10

Recommended Action: Staff recommends that the Board of Directors approve a one-year contract with Aptean for a 1-year renewal amendment for \$38,369.10 for a total contract amount not to exceed \$60,804.10.

Agenda Item

8.H.

Budgeted: RTP Cogen
Line Item: PC-17 Line 5059
Legal Counsel Review: No
Meeting Date: February 3, 2022

TO: PC-17 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: CEMTEK Environmental, Inc. 1-Year Service Contract \$31,247.00
[Project Committee 17]

Summary

This agenda item provides a recommendation to authorize the General Manager to execute a sole source contract with CEMTEK Environmental, Inc. for a 1-year service contract to service the cogeneration engine's continuous emission monitoring system (CEMS).

Background

The cogeneration system at the Regional Treatment Plant (RTP) air quality permit requires the utilization of an online CEMS to report emissions to the SCAQMD. The equipment requires periodic calibrations and support to ensure the cogeneration system is in compliance at all times. The CEMS system is manufactured by CEMTEK Environmental, Inc. and CEMTEK Environmental, Inc. is the only authorized vendor that can perform these services.

SOCWA has the option to perform these services on a needed basis. These costs are more expensive on an as-needed basis. Moreover, without a contract in place, SOCWA runs the risk of shutting down the cogeneration system and purchasing electricity to process contracts for needed services. This is because the cogeneration system cannot run without the CEMS system fully functional and calibrated per SCAQMD rules.

Fiscal impact

This expense is within the Fiscal Year 2021-22 Budget.

The allocation by Member Agency is presented below:

PC17-RTP	Solids Allocation	FY 21-22 Contract Total
CLB	14.8%	\$4,624.56
EBSB	1.0%	\$312.47
ETWD	15.2%	\$4,749.54
MNWD	60.9%	\$19,029.42
SCWD	8.1%	\$2,531.01
Subtotal	100.0%	\$31,247.00

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to to acquire the services of CEMTEK Environmental, Inc. for a 1-year contract to service the cogeneration engine's continuous emission monitoring system (CEMS) for an amount not to exceed \$31,247.00.

Agenda

8.I.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Southern California Association of POTW's (SCAP) Update

Summary

The Southern California Association of POTW's (SCAP) provides periodic updates on key issues, activities, and data related to the wastewater industry in southern California. SCAP recently released its Annual Report.

Discussion/Analysis

SCAP and its members have been heavily involved with a number of new and ongoing issues related to the operation of wastewater treatment plants, including the following:

- AB 617 and AB 2588 Toxic Reporting
- California Air Resources Board (CARB) Zero Emission Fleet Regulations
- SCAQMD Air Quality Management Plan Update
- Diesel Emergency Generator Regulation
- Emerging Per- and Polyfluoroalkyl Substances (PFAS) rules and regulations
- EPA modifications to effluent toxicity limits
- Bio-stimulatory/Bio-integrity (Nutrient) policy developments
- Ocean Acidification and Hypoxia (Nutrients)
- Microplastics
- COVID-19 tracking in wastewater
- New Sanitary Sewer System Waste Discharge Requirements (SSS WDR)
- Exfiltration Theories
- Public Safety Power Shutoff (PSPS)
- Dental Office Amalgams
- Alkaline Hydrolysis
- Over-generation and grid stability
- SB 1383 Short-Lived Climate Pollutant Reduction
- AB901 Solids Waste Reporting Rule Implementation
- Interior Water Conservation rules and regulations
- Sewer exfiltration investigations and potential regulations
- Proposed outfall plume tracking rules and regulations
- Emerging Air Quality Rules and Regulations

The attached report provides a brief summary for each of the key areas for SCAP that are being tracked by many SCAP's many committees.

Recommended Action: Information Item.



DECEMBER 2021 SCAP ANNUAL HIGHLIGHTS REPORT

Engagement with State Water Board, DWR and EPA:

- Indoor Water Use
- SSS WDR reopening
- PFAS
- Microplastics
- Vapor Intrusion



Welcome New Members!
City of Del Mar
Enthalpy Analytical

Engagement with CARB:

- Meetings with CARB Board and Executive Leadership on Advanced Clean Fleet and Scoping Plan
- Testimony at Public Workshops

Engagement with SCCWRP:

- Exfiltration
- Microplastics
- OAH – Modeling Uncertainty

Presentations Provided:

- CASA Summer Conference -
 - Fleet Vehicle Electrification
 - SSS WDR
- SCWC/CWP - Stormwater Diversions to Sewer
- CWEA P3S 2021 - PFAS What You Need to Know
- CWEA AC 2021 CARB Air Toxics and Electrification
- AEHS Winter Conference – Air Flow in Sewers as it related to Vapor Intrusion
- EPA/DTSC – Air Flow in Sewers as it related to Vapor Intrusion

Comment Letters



- ✓ CARB Advanced Clean Fleet Rules (x2)
- ✓ CARB 2022 Scoping Plan
- ✓ USEPA Alternative Test Procedure for TST
- ✓ SWB Toxicity Provisions Basin Plan to Policy
- ✓ San Diego Regional Board Time Schedule Order
- ✓ OEHA PFAS Public Health Goals



Surveys Conducted:

- Wastewater Treatment Plant Staffing

The CWSP met
virtually for their
annual Strategic
Planning
Meeting



The 2021 Clean Water Summit Partners (CWSP) Priorities:

Water High Priority

- PFAS
- SSS WDR
- Coastal Discharge Ban/Recycled Water Mandates
- Exfiltration
- COVID-19
- Nutrients and Ocean Acidification

Water Medium Priority

- ELAP
- Microplastics
- Toxicity Provisions
- Stormwater

Biosolids Priorities

- CECs (PFAS, Microplastics)
- SB 1383 Implementation
- Transportation/Fuel Credits for Biogas
- Office of Inspector General Biosolids Report Response
- COVID-19
- Fire Reclamation Research



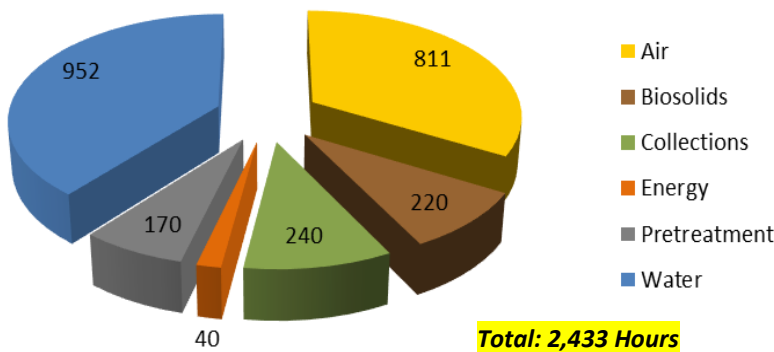


DECEMBER 2021 SCAP ANNUAL HIGHLIGHTS REPORT

Committee Meetings Held:

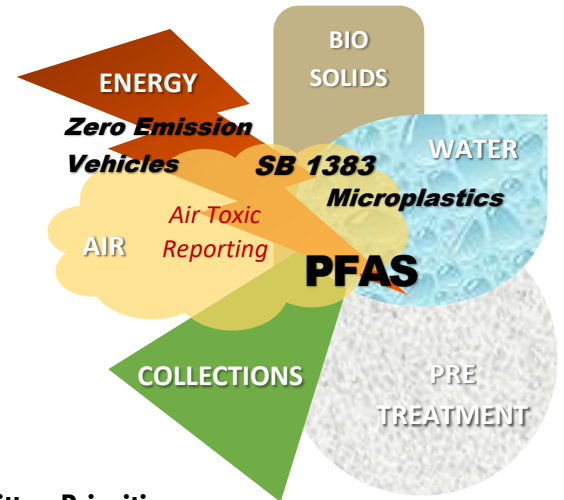
- 10 Air Quality Committee regular monthly meetings
 - Numerous SCAQMD and CARB rule meetings
- Nine Water Committee meetings with CASA
 - One General Water Committee meeting
 - One Water Committee Toxicity workshop with the Santa Ana Regional Water Board
 - Two PFAS workshops with the CWSP
- One General Collection Committee meeting
- One Joint Collection Committee meeting with CASA (via Zoom)
- Pretreatment Committee PFAS session at CWEA P3S
- Nine Biosolids Committee meetings with CASA

Over 2,400 Volunteer Hours in 2021!



Committee Meetings Planned:

- Air Committee will continue to meet monthly and with regulatory agencies for specific rule/regulation advocacy
- Water Committee has planned and identified key speakers for the following meetings/workshops:
 - Stormwater to sewer diversion case studies
 - Ocean outfall issues workshop number two
 - Climate Resiliency – SWB 13267 Survey Workshop
- Collection Committee regular meetings, SCAP/CASA joint meeting and SSS WDR sub-committee meetings
- Pretreatment Committee meetings and participation at the CWEA P3S 2022 Conference
- Energy Committee – Fleet Electrification, Fuel Cell Intelligence, Energy Peak Strategies, Community Choice Aggregation
- Biosolids Committee meetings, Management Options meeting with vendors, and SCAP Biennial Biosolids Survey



Committee Priorities:

- Air Quality Issues:
 - AB 617 and AB 2588 Toxic Reporting
 - California Air Resources Board (CARB) Zero Emission Fleet Regulations
 - SCAQMD Air Quality Management Plan Update
 - Diesel Emergency Generator Regulation
- Water Issues:
 - PFAS
 - Toxicity Provisions (TST Study)
 - Bio-stimulatory/Bio-integrity Provisions
 - Ocean Acidification and Hypoxia (Nutrients)
 - Microplastics
 - COVID-19
- Collection Systems Issues:
 - New Sanitary Sewer System Waste Discharge Requirements (SSS WDR)
 - Exfiltration Theories
 - Public Safety Power Shutoff (PSPS)
 - Diesel Emergency Generator Regulation
- Pretreatment Issues:
 - PFAS
 - Dental Office Category
 - Alkaline Hydrolysis
 - Steam Electric Power Discharges
 - Microplastics
- Energy Issues:
 - Public Safety Power Shutoff (PSPS)
 - Diesel Emergency Generator Regulation
 - Funding/Incentives
 - Over-generation and grid stability
- Biosolids Issues:
 - SB 1383 Short-Lived Climate Pollutant Reduction
 - AB901 Solids Waste Reporting Rule Implementation
 - PFAS
 - Microplastics

Memorandum

8.J.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Danita Hirsh, Executive Assistant

SUBJECT: Consideration of Approval of Various Unapproved Minutes, Disbursements and Financial Reports

Summary

This update item was on the Agenda at the December 9, 2021 SOCWA Board meeting with the direction to staff to return the item to the February 3, 2022 meeting.

History

At the November 4, 2021 Board of Directors meeting the Chair gave direction to staff to prepare a summary of the West Yost services to indicate the payments made, the month of disbursements, the actions taken by the Finance Committee to approve the disbursements and the minutes reflecting such actions. Attachment "A" hereto is a summary of the activity as requested, and the Attachment "A" has previously been provided to Board Members and includes:

- invoices paid
- the remaining balance unpaid of the original \$238,815 amount
- the invoices received and unpaid amounts
- the month invoices were paid
- the month of the disbursements submittal to Finance Committee
- the date of the Finance Committee recommendation to the Board to approve the disbursements
- the date of the Board meetings for consideration to act on the Finance Committee recommendations, and
- the minutes reflecting Finance Committee recommendations

The various open items pending Board action are as follows:

- a. Recommendations to approve various Minutes, Disbursements and Financial Reports
 - Minutes of the Regular Meeting of September 2, 2021
 - **Board requested action is to approve the Minutes**
 - Includes recording of the Board vote on 9/2 to ratify the June 2021 disbursements, which included payments to West Yost
 - Minutes of the Finance Committee of September 21, 2021
 - **Board requested Action is to "receive and file"**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the July 2021 disbursements

- Financial Reports for the Month of July 2021
 - **Board requested action is to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments
 - Finance Committee previously recommended to the Board to approve the disbursements (at 9/21/21 Fin Com Meeting)
- Financial Reports for the Month of August 2021
 - **Board requested to approve the disbursements and receive and file the reports**
 - Includes disbursements that included West Yost Payments
 - Finance Committee previously recommended to the Board to approve the disbursements (at the 10/19/21 Fin Com Meeting)
- Minutes of the Finance Committee of October 19, 2021
 - **Board requested Action is to “receive and file”**
 - Includes the approved recommendation of the Finance Committee to the Board to ratify the August 2021 disbursements

Recommended Action: Board discussion and direction.

Attachment "A" - West Yost Contract, Disbursement, and Approval

Original Amount	\$ 238,815.00		
Invoices Paid	\$ 45,119.10		
	\$ 58,312.25		
	\$ 33,500.75		
	\$ 48,455.25		
Invoice Not Paid	\$ 16,527.25	On Hold per Directing Chair at 10/7/21 meeting	(invoice received 8/31/21)
	\$ 5,311.75	On Hold per Directing Chair at 10/7/21 meeting	(invoice received 9/21/21)
Remaining Bal.	\$ 31,588.65		

Finance Committee Meeting		Presented Monthly
8/17/2021 AUGUST	→	JUNE Disbursement
9/21/2021 SEPTEMBER	→	JULY Disbursement
10/19/2021 OCTOBER	→	AUG/SEPT Disbursement

INVOICE	PAID	MONTH DISBURSEMENT	AMOUNT	FINANCE COMMITTEE DATE	APPROVED?	BD DATE	REC'D AND FILED?	
5044725	5/25/2021	June	\$ 45,119.10	8/17/2021	Yes	9/2/2021	YES *	Dir. Dopudja abstained
2045049	7/15/2021	July	\$ 58,312.25	9/21/2021	Yes	10/7/2021	NO	
2045390	7/15/2021	July	\$ 33,500.75	9/21/2021	Yes	10/7/2021	NO	
2045739	8/16/2021	August	\$ 48,455.25	10/19/2021	Yes	11/4/2021	NO **	

Only Sept. was rec'd and filed

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

DRAFT

September 2, 2021

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on September 2, 2021, at 8:30 a.m. at 26880 Aliso Viejo Parkway, Aliso Viejo, California, and via Zoom. The following members of the Board of Directors were present in-person and via Zoom Meeting:

**DAN FERONS	Santa Margarita Water District	Director (in-person)	[arrived @ 8:44 a.m.]
*TONI ISEMAN	City of Laguna Beach	Director (Zoom)	[arrived @ 8:38 a.m.]
KATHRYN FRESHLEY	El Toro Water District	Director (in-person)	
MIKE DUNBAR	Emerald Bay Service District	Director (in-person)	
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director (in-person)	
KEVIN BURTON	Irvine Ranch Water District	Alternate Director (in-person)	
DAVE REBENDSOLF	City of San Clemente	Director (Zoom)	[arrived @ 8:39 a.m.]
SCOTT GOLDMAN	South Coast Water District	Director (in-person)	
HOWARD HART	City of San Juan Capistrano	Alternate Director (Zoom)	[arrived @ 8:36 a.m.]
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director (in-person)	
*DAVID SHISSLER	City of Laguna Beach	Alternate Director (in-person)	Due to intermittent connection to Zoom, Director Iseman exited at 8:53 a.m., and deferred to Alternate Director Shissler as representative of City of Laguna Beach.
**DON BUNTS	Santa Margarita Water District	Alternate Director (Zoom)	Alternate Director Bunts was in attendance for Roll Call representing Santa Margarita Water District.

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
BRAD NEUFELD	Varner & Brandt Law

1. CALL TO ORDER

Chairman Collings called the meeting to order at 8:31 a.m.

2. PLEDGE OF ALLEGIANCE – Director Kathryn Freshley

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Agenda items 4E 4N, and 4O were pulled for further clarifications.

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Dunbar to approve the remainder of the Consent Calendar Agenda items as follows:

(4A through 4D, and 4F through 4M)

- 4A. Minutes of Board Meeting August 5, 2021
- 4B. Minutes of Finance Committee June 15, 2021
- 4C1. Minutes of Engineering Committee May 13, 2021
- 4C2. Minutes of Engineering Committee June 10, 2021
- 4D. Minutes of Engineering Committee/PC 2 Committee July 13, 2021
- 4F. Preliminary FY 2021-21 Cash Roll Forward as of June 30, 2021
- 4G. Actuarial Valuation Report on Retiree Health Program as of December 31, 2020
- 4H. Approval of PC 23 Budget Adjustment for Legal
- 4I. PC 5 Budget Adjustment in the amount of \$24,000
- 4J. July 2021 Operations Reports
- 4K. Rockwell TechConnect Support Agreement Renewal (via OneSource Distributors, Inc. \$51,411.21 [Project Committee 2, 15, and 17]
- 4L. Capital Improvement Program Status Report
- 4M. Capital Improvement Program Project Financial Status Report [Project Committees 2, 15, 17]

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye
Director Burton	Aye
Director Shissler	Aye
Director Bunts	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

4E. Preliminary Financial Reports for the Fiscal Year Ended June 30, 2021

Director Dopudja pulled agenda item 4E to check with legal counsel to weigh in and to make sure on the disbursements that there was no potential conflict of interest.

Ms. Burnett, General Manager stated she could not verify at this moment what is in the disbursements.

Director Dopudja stated he would just abstain.

Ms. Adriana Ochoa, legal counsel from Procopio law stated that out of an abundance of caution for perspective conflict of interest purposes, Director Dopudja can recuse himself from voting on agenda item 4E of the Consent Calendar. Ms. Ochoa also stated she would work with Betty Burnett to assure staff flags perspective issues that they are aware of in the future.

Director Dopudja asked, for a recusal wouldn't I need to not be part of the discussion and walk out of the room?

Ms. Ochoa responded yes, you can stand up and leave the room.

Director Dopudja stated he couldn't do that now, and noted he think an abstention is the appropriate response to be accurately reflected, and in the future, he will walk out of the room.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to ratify the June 2021 disbursements for the period from June 1, 2021, through June 30, 2021, totaling \$2,157,842, and to receive and file the June 2021 Financial Reports as submitted.

Motion carried:	Aye 8, Nay 0, Abstained 1, Absent 1
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Abstain
Director Collings	Aye
Director Burton	Aye
Director Shissler	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

- 4N. Coastal Treatment Plant Export Sludge Force Main Replacement Project Geotechnical Services During Construction Change Order [Project Committee 15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Shissler approve the Ninyo & Moore change order in the amount of \$43,166 for a total revised contract amount of \$108,956 for the geotechnical services during construction for the Coastal Treatment Plant Export Sludge Force Main Replacement Project.

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

- 4O. Resolution No. 2021-06 Resolution of Commendation to Keith Bacon

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Ferons to adopt Resolution No. 2021-06 and authorize Chairman Collings to sign the Commendation on behalf of the Board of Directors of the South Orange County Wastewater Authority.

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent 0
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Collings	Aye

Director Burton	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Aye

5. GENERAL MANAGER'S REPORTS

- A. Small Capital JBL Digester Nos. 1 and 2 Manway Access Improvements General Manager Authorization [Project Committee 2]

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Collings to establish a small capital project items budget up to \$385,000 with a 10% contingency for a total budget of \$423,000 for Digester Nos. 1 and 2 Manway Access Improvements; and authorize the General Manager to award and execute contracts for the Digester Nos. 1 and 2 Manway Cutouts, Manway Frames and Covers Fabrication, Manway Installation and Grouting, and Digester Internal Coating Repairs.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Collings	Aye
Director Iseman	Aye
Director Goldman	Aye
Director Hart	Aye

B. Board Workshop

1. Report of Ad Hoc Committee on Wastewater Alternatives

Ad Hoc Members: El Toro Water District
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District

Director Collings gave a PowerPoint presentation on the Evaluation of Wastewater Treatment Operational Structures attached herein.

This was an information item; no action was taken.

2. General Counsel Report – Update on JPA Revision Process

Ms. Adriana Ochoa of Procopio Law updated the Board on the current status of the revisions proposed to the JPA. She stated an All-Hands meeting will be scheduled in the near future for further discussion.

This was an information item; no action was taken.

3. IRWD Update on Withdrawal Request & Presentation

Mr. Burton gave an update of IRWD's proposed actions to withdraw from SOCWA's JPA. He shared IRWD's proposed Draft Wastewater Capacity Agreement, Draft Withdrawal Agreement from South Orange County Wastewater Authority, and Term Sheet.

This was an information item; no action was taken.

4. SOCWA General Counsel Comments

No further comments were provided.

The Board convened to Closed Session at 11:31 a.m.
The Board reconvened to Open Session at 11:57 a.m.

6. CLOSED SESSION

A Closed Session Conference was held with Legal Counsel regarding an Anticipated Litigation - Significant exposure to litigation pursuant to Government Code Section § 54956.9(d)(2): 1 matter.

There were no reportable actions out of Closed Session.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 11:57 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 September 2, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Evaluation of Wastewater Treatment Operational Structures

Task Force Members:

El Toro Water District

Moulton Niguel Water District

Santa Margarita Water District

South Coast Water District

What are we looking to accomplish today?

- Background – How did we get here?
- What will the presentation cover?
- What are the next steps?
 - Request to SOCWA staff to work with task force
 - Provide regular updates to the SOCWA Board and Member Agencies
 - Bring back an evaluation of alternative options in early 2022



Why evaluate the alternative approaches now?

- Governing Agreements
 - 50-year old project agreements are expiring
 - Project agreements need to be extended/renegotiated
 - JPA agreement is currently up for discussion/review
- Member Agency changes impacting Organizational Structure
 - IRWD request to withdrawal
 - SJC annexation to SMWD
 - Varied needs moving forward

A brief history of wastewater treatment in South OC

- AWMA and SERRA were formed in the 1970s
- Purpose was to receive federal funding
 - Constructed Coastal, JB Latham, and Regional Treatment Plants in late 70s/early 80s
- AWMA assumed operations of Coastal and Regional in 1990s
- SOCRA was formed to support regional permitting for recycled water use
- In 2001, the three agencies were combined to form SOCWA to improve administrative efficiencies

What are potential operating structures?

- Option #1 – Maintain similar operating structure
 - Are there opportunities to increase efficiency?
- Option #2 – Transition operating requirements; Assets reside with Operating Agency
 - Similar to Baker WTP, JRWSS, Plant 3A
 - Project Agreement to define decision-making and operation
- Option #3– Transition operating requirements; Assets continue to reside with SOCWA:
 - Similar structure to previous AWMA
 - Joint Powers Authority would remain to define governance and operation
 - Will require operating agreement to define operating agency responsibility
 - Need to address alignment of ownership/cost and decision-making/risk

What is the anticipated process of the evaluation?

- Components would follow previous work product from task force presented to SOCWA Board
- Efforts would be led by interested parties
 - Working closely with SOCWA staff and task force members
 - Need to obtain data and information from SOCWA to develop evaluation
- Regular updates provided to the SOCWA Board
 - Opportunity for feedback or questions
- Potential for technical support by third parties, as identified
- Draft for discussion in early 2022
- Updated JPA and PC Agreements by June 2022



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

Finance Committee

September 21, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on September 21, 2021 at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Teams Meeting:

DAN FERONS	Santa Margarita Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director [arrived @ 10:33 a.m.]
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
PAMELA ARENDS-KING	South Coast Water District	Alternate Director

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
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Staff Participation:

BETTY BURNETT	General Manager
AMBER BAYLOR	Director of Environmental Compliance
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JEANETTE COTINOLA	Contracts/Procurement Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
MARY BETH REDDING	Bartel & Associates
KATHRYN FRESHLEY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
SHERRY WANNINGER	Moulton Niguel Water District
GAVIN CURRAN	City of Laguna Beach
JASON HAYDEN	El Toro Water District
EILEEN LIN	Irvine Ranch Water District
KEN DOMER	City of Laguna Beach

1. Call Meeting to Order

Chairman Ferons called the meeting to order at 10:32 a.m.

2. Public Comments

None

3. Approval of Minutes

- Finance Committee Meeting of August 17, 2021

ACTION TAKEN

Motion was made by Director Arends-King and seconded by Director Ferons to approve Finance Committee Meeting Minutes for August 17, 2021 as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 1, Absent 1
	Director Ferons Aye
	Director Shissler Abstain
	Director Farias Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

4. Financial Reports for the Month of July 2021

Ms. Burnett noted for the record to inform the Board of any items in the disbursements that related to payments to the West Yost contract. She commented that the July disbursements does contain disbursements to West Yost and would appear on the Consent Calendar allowing Director Dopudja to recuse or abstain as he appropriately elects.

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Shissler to recommend to the Board of Directors to ratify the July 2021 disbursements for the period of July 1 through July 31, 2021, totaling \$6,771,917, and to receive and file the July 2021 Financial Reports as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
	Director Ferons Aye
	Director Shissler Aye
	Director Farias Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

5. Draft GASB 75, OPEB/Retiree Health, Report for the Fiscal Year Ended June 30, 2021

Ms. Carey reported on the OPEB/Retiree Health for the period of December 31, 2020 to the Fiscal Year Ended June 30, 2021.

As recommended by staff, the Finance Committee reviewed the report as an information item; no action was taken.

6. CalPERS Pension Plan and OPEB (Retiree Health) Unfunded Termination Liabilities Calculation for an individual Agency-Draft Template and Assumptions

Ms. Mary Beth Redding of Bartels & Associates gave a PowerPoint presentation (see pages 22 thru 72 of the Finance Committee Agenda Packet) on the GASB 74/75 Actuarial Valuation for Fiscal Year Ending June 30, 2021. An open discussion ensued.

This was an information item; no action was taken.

7. Uniform Purchasing Policy and Procedure – Nondiscretionary Spending

Ms. Burnett, General Manager stated this has been a long-standing open item and Directors indicated they are interested in adjustments to the Uniform Purchasing Policy and Procedure having to do with non-discretionary spending. The staff report captures input from Director Collings providing the way in which MNWD looks at authority to spend. Ms. Burnett also stated Director Ferons has talked about concerns over breaking contracts up into small pieces for the same purchase in the same time period. The item is brought now to give the Finance Committee Directors an opportunity to comment on Exhibit 2. She noted there was no change to the Exhibit 2 language the last time the Policy was formerly amended.

Ms. Burnett also stated Director Cafferty had comments and thoughts on the subject which she would like to get again so as to make some progress moving forward on what will help the Board to feel secure that staff is spending within authorization of the Board.

Ms. Burnett noted that if Board Members desire to select or approve particular kinds of vendors or services those could be identified by the Committee. Staff is requesting comments from the Committee members to help identify changes desired. An open discussion ensued.

Director Collings stated the fundamental question for him is if there is discretion as to who the vendor is that we're utilizing to provide a service then it should not be considered non-discretionary. He continued stating there isn't discretion as to paying the San Diego Gas & Electric bill, but who provides your landscape maintenance services is very much an action of discretion that the Board should approve if it's over \$50k. He stated historically the Board has approved the Landscape Contract and that he didn't understand its listing in Exhibit 2 as nondiscretionary if you're already bringing it to the Board for approval.

Director Collings noted that as to the general definition the term nondiscretionary would apply to items that you do not have the discretion to change the vendor or who you're writing the check to or in such case things like insurance and legal counsel are things that generally are long standing items that require a lot of lead up to change. Another example would be software license agreements. You're not going to change your Blackbaud. That is nondiscretionary until you decide to change out Blackbaud because that's such a huge lead item. Director Collings stated that is how he looks at, and in his mind makes sense, but is open to discussion and comments on that. An open discussion ensued.

Director Ferons stated he is in agreement commenting that past practice has been to bring back the landscape contracts, and the chemical contracts. He noted where the discretion comes in is not necessarily in selecting the vendor and contractor in that annual amount. He noted once you have a chlorine vendor and going to purchase the amount of chlorine to use to run the plant, your point is selection based on unit prices is linked to the contract.

It's all of those variables once that is established. If you have a three-year contract, then in years two and three you don't need to approve that contract because you already know the unit price was established in those years as much as possible. An open discussion ensued.

Director Arends-King stated she also agrees with Director Collings and Director Feron. She stated when she read through discretionary and nondiscretionary in the SOCWA Purchasing Policy it was a bit confusing. She stated her interpretation of discretionary and nondiscretionary falls in line with what Director Collings previously stated, and that Director Feron was also correct. Director Arends-King stated if you have a three-year contract with chemicals or landscaper and you went out to bid and got the best price, then you know what that is and approved a three-year contract. She noted it's still discretionary because you went out and got bids with that vendor and you have the contract. It becomes nondiscretionary because you have a three-year contract. She commented that she would be more inclined to agree with Director Collings viewpoint on the policy vs. what's in it now. An open discussion ensued.

Director Cafferty stated he also agreed with Director Collings comments. He stated if it's something that you're choosing between vendors whether it its landscaping, there is a variety of the facilities maintenance agreements that could be of any different vendors that has some sort of process to select from, and for those contracts to exceed \$50k, he would expect they would go to the Board for approval. Director Cafferty also agreed that some of those services maybe not all is not going to make sense to bid them every year. He commented that it is a common practice to bring it to the Board even on a continuing contract but you can set that up as part of the budget process to acknowledge that certain of those services through the budget are assuming the continuation of an existing contract so it doesn't have to come back as an individual action item. Director Cafferty stated I think we're all saying the same thing but the kind of fundamental point Director Collings makes about the ability to choose between different vendors if it exceeds the purchasing authority of the General Manager then the Board should approve it. An open discussion ensued.

Director Feron directed Ms. Burnett, General Manager to take the comments provided and do a revised mark-up to the purchasing policy for the Finance Committee to review.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Feron adjourned the meeting at 11:59 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 Finance Committee of September 21, 2021 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of July 2021

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 2021 (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 2021 cash disbursements were: \$ 6,771,917.

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

Recommended Action: The Finance Committee recommends to the Board of Directors to ratify the July 2021 disbursements for the period from July 1, 2021, through July 31, 2021, totaling \$6,771,917, and to receive and file the July 2021 Financial Reports as submitted.

Exhibit A

South Orange County Wastewater Authority Summary of Disbursements for July 2021 Staff Recommendation of Fiscal Matters

	<u>Actual¹</u>
General Fund	\$ (1,926,019)
PC 2 - Jay B. Latham Plant	(1,370,713)
PC 5 - San Juan Creek Ocean Outfall	(51,111)
PC 8 - Pretreatment Program	(11,669)
PC 12 SO - Water Reclamation Permits	(144,822)
PC 15 - Coastal Treatment Plant/AWT	(2,326,489)
PC 17 - Joint Regional Wastewater Reclamation	(899,510)
PC 21 - Effluent Transmission Main	(22,862)
PC 23 - North Coast Interceptor	(318)
PC 24 - Aliso Creek Ocean Outfall	(18,403)
Total	<u><u>\$ (6,771,917)</u></u>

¹ Disbursements increased \$4.6 million over the prior month, primarily due to the following:

CalPERS UAL payment of \$1.2 million for FY 21-22

PCL Construction, \$1.4 million

Olsson Construction, \$615 thousand

Filanc Construction, \$413 thousand.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of July 31, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$ 1,271,925
L.A.I.F. FUNDS: (BEGINNING BAL.)	13,927,065
DEPOSITS, TRANSFERS & ADJUSTMENTS:	2,032,791
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION ¹	<u>(6,771,917)</u>
TOTAL CASH IN BANK	<u>\$ 10,459,864</u>

¹ GL postings.

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.

Betty Burnett
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 08/13/21



PMIA Average Monthly Effective Yields⁽¹⁾

Jul	0.221
Jun	0.262
May	0.315

Quarterly Performance Quarter Ended 06/30/21

LAIF Apportionment Rate ⁽²⁾ :	0.33
LAIF Earnings Ratio ⁽²⁾ :	0.0000897371743018
LAIF Fair Value Factor ⁽¹⁾ :	1.00008297
PMIA Daily ⁽¹⁾ :	0.22%
PMIA Quarter to Date ⁽¹⁾ :	0.30%
PMIA Average Life ⁽¹⁾ :	291

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 07/31/21 \$181.8 billion

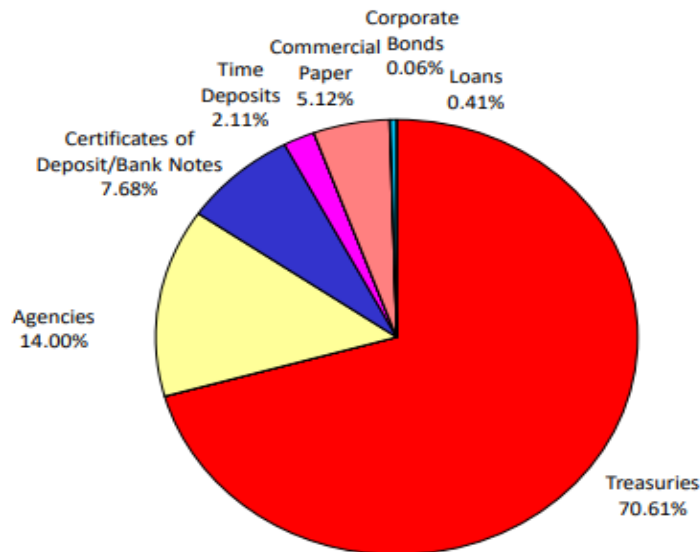


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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).

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of July 31, 2021**

MVA	\$ 413,414	(A)
A/P Checking	1,420,184	(B)
Payroll Checking	26,901	(C)
State LAIF	8,599,365	(D)
Total Cash in Bank	\$ 10,459,864	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 10,461,464	
OPEB Trust	6,681,045	(F)
Total Cash and Investments	\$ 17,142,509	

Notes:

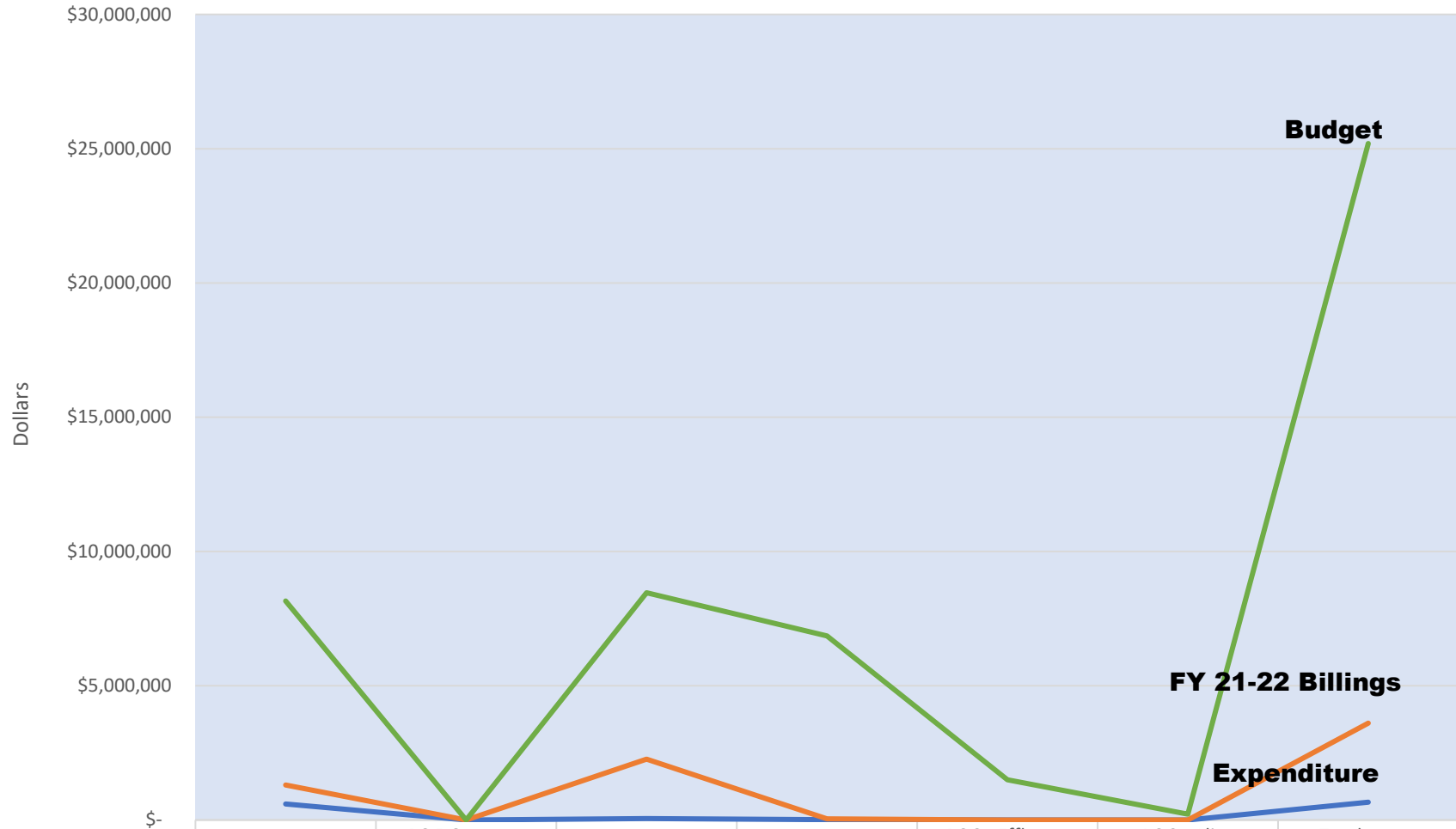
- (A) Interest bearing account; all cash receipts are deposited in this account and later moved to the LAIF account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account, as needed, from the LAIF account.
- (C) Payroll including payroll taxes and related 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 July 31, 2021
(in dollars)

FY 2021-22 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	\$ 8,153,937	\$ 591,461	\$ 7,562,476	7.3%	\$ 1,303,750	\$ -	\$ 1,303,750	45.4%
PC 5-San Juan Creek Outfall	-	-	-		-	-	-	-
PC 15-Coastal	8,464,653	53,677	8,410,976	0.6%	2,264,999	67,611	2,197,388	2.4%
PC 17-Regional	6,851,959	12,899	6,839,060	0.2%	38,249	4,050	34,199	-
PC 21 Effluent Transmission	1,502,000	4,979	1,497,021	0.3%	-	-	-	-
PC 24 Aliso Creek Outfall	220,000	-	220,000	0.0%	-	-	-	-
Total Large Capital	\$ 25,192,549	\$ 663,016	\$ 24,529,533	2.6%	\$ 3,606,998	\$ 71,661	\$ 3,535,337	18.4%
Non-Capital Engineering	405,871	-	405,871	0.0%	25,000	746	24,254	0.0%
Non-Capital Misc Engineering	254,500	12,057	242,443	4.7%	6,000	1,260	4,740	200.9%
Small Internal Capital	2,061,000	122,206	1,938,794	5.9%	515,250	19,103	496,147	23.7%
Total Capital	\$ 27,913,920	\$ 797,278	\$ 27,116,642	2.9%	\$ 4,153,248	\$ 92,770	\$ 4,060,478	19.2%

Large Capital Projects Fiscal Year '21-22 Budget vs. Year-to-Date Expenditures & Billings as of 7/31/2021

Exhibit D-1



	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 7/31/21	\$591,461	-	\$53,677	\$12,899	\$4,979.18	-	\$663,016
FY 21-22 Billings	\$1,303,750	-	\$2,264,999	\$38,249	-	-	\$3,606,998
Capital Budget 21-22	\$8,153,937	-	\$8,464,653	\$6,851,959	\$1,502,000	\$220,000	\$25,192,549

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
5000--***	Regular Salaries-O&M	4,847,168	369,092	4,478,076	7.6%
5001--***	Overtime Salaries-O&M	107,256	9,249	98,007	8.6%
5306--***	Scheduled Holiday Work	91,000	12,011	78,989	13.2%
5315--***	Comp Time - O&M	15,980	3,419	12,561	21.4%
5401--***	Fringe Benefits IN to PC's & Depts.	2,511,460	191,278	2,320,182	7.6%
5700--***	Standby Pay	67,600	5,720	61,880	8.5%
	Total Payroll Costs	7,640,464	590,769	7,049,695	7.7%
Other Expenses					
5002--***	Electricity	1,170,780	111,259	1,059,521	9.5%
5003--***	Natural Gas	226,008	24,569	201,439	10.9%
5004--***	Potable & Reclaimed Water	85,000	4,730	80,270	5.6%
5005--***	Co-generation Power Credit	(686,000)	(93,122)	(592,878)	13.6%
5006--***	Chlorine/Sodium Hypochlorite	502,008	53,630	448,378	10.7%
5007--***	Polymer Products	747,004	108,707	638,297	14.6%
5008--***	Ferric Chloride	588,004	49,122	538,882	8.4%
5009--***	Odor Control Chemicals	107,016	11,185	95,831	10.5%
5010--***	Other Chemicals - Misc.	2,004	-	2,004	-
5011--***	Laboratory Services	65,196	948	64,248	1.5%
5012--***	Grit Hauling	120,000	6,415	113,585	5.3%
5013--***	Landscaping	219,008	10,627	208,381	4.9%
5015--***	Management Support Services	475,000	1,347	473,653	0.3%
5016--***	Audit - Environmental	1,304	-	1,304	-
5017--***	Legal Fees	48,612	-	48,612	-
5018--***	Public Notices/ Public Relations	6,000	-	6,000	-
5019--***	Contract Services Misc.	277,016	-	277,016	-
5021--***	Small Vehicle Expense	23,080	1,483	21,597	6.4%
5022--***	Miscellaneous Expense	16,012	-	16,012	-
5023--***	Office Supplies - All	46,008	1,272	44,736	2.8%
5024--***	Petroleum Products	34,008	-	34,008	-
5025--***	Uniforms	70,996	5,671	65,325	8.0%
5026--***	Small Vehicle Fuel	22,656	65	22,591	0.3%
5027--***	Insurance - Property/Liability	317,684	14,624	303,060	4.6%
5028--***	Small Tools & Supplies	80,000	3,883	76,117	4.9%
5030--***	Trash Disposal	8,500	308	8,192	3.6%
5031--***	Safety Program & Supplies	119,344	10,099	109,245	8.5%
5032--***	Equipment Rental	7,004	1,509	5,495	21.6%
5033--***	Recruitment	2,500	-	2,500	-
5034--***	Travel Expense/Tech. Conferences	29,928	-	29,928	-
5035--***	Training Expense	47,996	4,056	43,940	8.5%
5036--***	Laboratory Supplies	124,400	7,773	116,627	6.2%
5037--***	Office Equipment	25,992	699	25,293	2.7%
5038--***	Permits	489,996	18,743	471,253	3.8%
5039--***	Membership Dues/Fees	17,872	687	17,185	3.8%
5044--***	Offshore Monitoring	151,000	3,339	147,662	2.2%
5045--***	Offshore Biochemistry - 20B	23,024	-	23,024	-
5046--***	Effluent Chemistry	70,000	52	69,948	0.1%
5047--***	Access Road Expenses	45,000	-	45,000	-
5048--***	Storm Damage	21,000	-	21,000	-
5049--***	Biosolids Disposal	1,470,000	97,801	1,372,199	6.7%
5050--***	Contract Services Generators - 29A	28,008	-	28,008	-
5052--***	Janitorial Services	101,004	8,278	92,726	8.2%
5053--***	Contract Serv - Digester Cleaning - 29E	60,000	7,993	52,007	13.3%
5054--***	Diesel Truck Maint	42,000	354	41,646	0.8%
5055--***	Diesel Truck Fuel	11,500	-	11,500	-
5056--***	Maintenance Equip. & Facilities (Solids)	366,000	87,781	278,219	24.0%
5057--***	Maintenance Equip. & Facilities (Liquids)	651,996	38,715	613,281	5.9%
5058--***	Maintenance Equip. & Facilities (Common)	90,008	12,208	77,800	13.6%
5059--***	Maintenance Equip. & Facilities (Co-Gen)	738,996	32,203	706,793	4.4%
5060--***	Maintenance Equip. & Facilities (AWT)	88,000	-	88,000	-
5061--***	Mileage	3,608	149	3,459	4.1%
5068--***	MNWD Potable Water Supplies & Svcs.	28,000	7,304	20,696	26.1%
5074--***	Education Reimbursement	1,996	-	1,996	-
5076--***	SCADA Infrastructure	86,596	15,000	71,596	17.3%
5077--***	IT Direct	5,508	-	5,508	-
5105--***	Co-Generation Power Credit - Offset	685,992	93,122	592,870	13.6%
5303--***	Group Insurance Waiver	14,392	1,218	13,174	8.5%
5305--***	Medicare Tax Payments for Employees	2,160	170	1,990	7.9%
5309--***	Operating Leases	26,000	2,896	23,104	11.1%
5705--***	Monthly Car Allowance	35,396	3,480	31,916	9.8%
5799--***	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	0	100.0%
6500--***	IT Allocations in to PC's & Depts.	610,540	31,568	578,972	5.2%
	Total Other Expenses	10,881,660	789,923	10,091,737	7.3%
	Total O&M Expenses	18,522,124	1,380,691	17,141,433	7.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**-**	Regular Salaries-O&M	1,585,228	133,748	1,451,480	8.4%
02-5001-**-**-**	Overtime Salaries-O&M	37,904	6,676	31,228	17.6%
02-5306-**-**-**	Scheduled Holiday Work	36,600	4,390	32,210	12.0%
02-5315-**-**-**	Comp Time - O&M	8,264	1,793	6,471	21.7%
02-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	821,352	69,299	752,053	8.4%
02-5700-**-**-**	Standby Pay	25,096	1,885	23,211	7.5%
	Total Payroll Costs	2,514,444	217,792	2,296,652	8.7%
Other Expenses					
02-5002-**-**-**	Electricity	506,564	40,047	466,517	7.9%
02-5003-**-**-**	Natural Gas	132,160	10,306	121,854	7.8%
02-5004-**-**-**	Potable & Reclaimed Water	25,000	2,476	22,525	9.9%
02-5006-**-**-**	Chlorine/Sodium Hypochlorite	8,000	-	8,000	-
02-5007-**-**-**	Polymer Products	305,000	55,414	249,586	18.2%
02-5008-**-**-**	Ferric Chloride	200,000	14,576	185,424	7.3%
02-5009-**-**-**	Odor Control Chemicals	21,004	-	21,004	-
02-5010-**-**-**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011-**-**-**	Laboratory Services	19,000	228	18,772	1.2%
02-5012-**-**-**	Grit Hauling	55,000	2,989	52,011	5.4%
02-5013-**-**-**	Landscaping	77,004	4,039	72,965	5.2%
02-5015-**-**-**	Management Support Services	30,008	-	30,008	-
02-5017-**-**-**	Legal Fees	4,996	-	4,996	-
02-5019-**-**-**	Contract Services Misc.	70,636	-	70,636	-
02-5021-**-**-**	Small Vehicle Expense	11,000	50	10,950	0.5%
02-5022-**-**-**	Miscellaneous Expense	8,000	-	8,000	-
02-5023-**-**-**	Office Supplies - All	29,000	914	28,086	3.2%
02-5024-**-**-**	Petroleum Products	11,004	-	11,004	-
02-5025-**-**-**	Uniforms	33,996	1,912	32,084	5.6%
02-5026-**-**-**	Small Vehicle Fuel	10,004	65	9,939	0.7%
02-5027-**-**-**	Insurance - Property/Liability	108,384	5,257	103,127	4.9%
02-5028-**-**-**	Small Tools & Supplies	38,000	862	37,138	2.3%
02-5030-**-**-**	Trash Disposal	3,000	95	2,905	3.2%
02-5031-**-**-**	Safety Program & Supplies	41,000	4,152	36,848	10.1%
02-5032-**-**-**	Equipment Rental	3,000	-	3,000	-
02-5033-**-**-**	Recruitment	348	-	348	-
02-5034-**-**-**	Travel Expense/Tech. Conferences	9,012	-	9,012	-
02-5035-**-**-**	Training Expense	16,976	1,385	15,591	8.2%
02-5036-**-**-**	Laboratory Supplies	21,004	608	20,396	2.9%
02-5037-**-**-**	Office Equipment	13,000	61	12,939	0.5%
02-5038-**-**-**	Permits	13,496	17,773	(4,277)	131.7%
02-5039-**-**-**	Membership Dues/Fees	4,516	96	4,420	2.1%
02-5049-**-**-**	Biosolids Disposal	620,000	35,679	584,321	5.8%
02-5050-**-**-**	Contract Services Generators - 29A	10,004	-	10,004	-
02-5052-**-**-**	Janitorial Services	47,000	4,264	42,736	9.1%
02-5053-**-**-**	Contract Serv - Digester Cleaning - 29E	60,000	7,993	52,007	13.3%
02-5054-**-**-**	Diesel Truck Maint	22,000	15	21,985	0.1%
02-5055-**-**-**	Diesel Truck Fuel - 37B	2,996	-	2,996	-
02-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	155,000	27,482	127,518	17.7%
02-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	260,000	6,839	253,161	2.6%
02-5058-**-**-**	Maintenance Equip. & Facilities (Common)	29,000	9,662	19,338	33.3%
02-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	277,120	21,037	256,083	7.6%
02-5061-**-**-**	Mileage	2,104	57	2,047	2.7%
02-5076-**-**-**	SCADA Infrastructure	28,960	5,000	23,960	17.3%
02-5077-**-**-**	IT Direct	2,620	-	2,620	-
02-5303-**-**-**	Group Insurance Waiver	3,596	305	3,291	8.5%
02-5309-**-**-**	Operating Leases	26,000	2,091	23,909	8.0%
02-5705-**-**-**	Monthly Car Allowance	22,804	1,929	20,875	8.5%
02-5799-**-**-**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	0	100.0%
02-6500-**-**-**	IT Allocations in to PC's & Depts.	199,812	10,331	189,481	5.2%
	Total Other Expenses	3,585,128	281,991	3,303,137	7.9%
	Total Expenses	6,099,572	499,782	5,599,790	8.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000-**-**-**	Regular Salaries-O&M	146,556	10,664	135,892	7.3%
05-5001-**-**-**	Overtime Salaries-O&M	72	-	72	-
05-5306-**-**-**	Scheduled Holiday Work	416	44	372	10.5%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	75,928	5,526	70,402	7.3%
	Total Payroll Costs	222,972	16,234	206,738	7.3%
Other Expenses					
05-5015-**-**-**	Management Support Services	212,500	459	212,041	0.2%
05-5017-**-**-**	Legal Fees	2,008	-	2,008	-
05-5026-**-**-**	Small Vehicle Fuel	500	-	500	-
05-5027-**-**-**	Insurance - Property/Liability	9,668	433	9,235	4.5%
05-5031-**-**-**	Safety Supplies	1,052	-	1,052	-
05-5033-**-**-**	Recruitment	556	-	556	-
05-5034-**-**-**	Travel Expense/Tech. Conferences	1,512	-	1,512	-
05-5035-**-**-**	Training Expense	1,952	-	1,952	-
05-5036-**-**-**	Laboratory Supplies	35,000	3,302	31,698	9.4%
05-5038-**-**-**	Permits	228,968	-	228,968	-
05-5039-**-**-**	Membership Dues/Fees	216	-	216	-
05-5044-**-**-**	Offshore Monitoring	75,496	-	75,496	-
05-5045-**-**-**	Offshore Biochemistry - 20B	11,512	-	11,512	-
05-5046-**-**-**	Effluent Chemistry	35,000	26	34,974	0.1%
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,004	-	1,004	-
05-6500-**-**-**	IT Allocations in to PC's & Depts.	18,464	954	17,510	5.2%
	Total Other Expenses	635,408	5,174	630,234	0.8%
	Total Expenses	858,380	21,407	836,973	2.5%
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	117,772	10,427	107,345	8.9%
08-5306-**-**-**	Scheduled Holiday Work	-	-	-	-
08-5315-**-**-**	Comp Time - Environment	-	-	-	-
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	61,016	5,402	55,614	8.9%
	Total Payroll Costs	178,788	15,829	162,959	8.9%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,200	295	2,905	9.2%
08-5016-**-**-**	Audit - Environmental	1,304	-	1,304	-
08-5017-**-**-**	Legal Fees	2,596	-	2,596	-
08-5018-**-**-**	Public Notices/ Public Relations	6,000	-	6,000	-
08-5021-**-**-**	Small Vehicle Expense - 31A	1,076	-	1,076	-
08-5022-**-**-**	Miscellaneous Expense	2,008	-	2,008	-
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,148	-	1,148	-
08-5027-**-**-**	Insurance - Property/Liability	3,024	135	2,889	4.5%
08-5028-**-**-**	Small Tools & Supplies	3,000	41	2,959	1.4%
08-5034-**-**-**	Travel Expense/Tech. Conferences	2,732	-	2,732	-
08-5035-**-**-**	Training Expense	-	150	(150)	-
08-5038-**-**-**	Permits and Fines	3,132	-	3,132	-
08-6500-**-**-**	IT Allocations in to PC's & Depts.	14,832	767	14,065	5.2%
	Total Other Expenses	44,052	1,388	42,664	3.2%
	Total Expenses	222,840	17,217	205,623	7.7%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	44,808	10,879	33,929	24.3%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	23,208	5,637	17,571	24.3%
	Total Payroll Costs	68,016	16,516	51,500	24.3%
Other Expenses					
12-5015-**-**-**	Management Support Services	-	-	-	-
12-5017-**-**-**	Legal Fees	2,000	-	2,000	-
12-5027-**-**-**	Insurance - Property/Liability	5,164	231	4,933	4.5%
12-5034-**-**-**	Travel Expense/Tech. Conferences	920	-	920	-
12-5038-**-**-**	Permits	12,044	-	12,044	-
12-5039-**-**-**	Membership Dues/Fees	68	-	68	-
12-6500-**-**-**	IT Allocations in to PC's & Depts.	5,640	292	5,348	5.2%
	Total Other Expenses	25,836	523	25,313	2.0%
	Total Expenses	93,852	17,039	76,813	18.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**	Regular Salaries-O&M	1,083,504	62,063	1,021,441	5.7%
15-5001-**-**	Overtime Salaries-O&M	19,208	-	19,208	-
15-5306-**-**	Scheduled Holiday Work	15,584	2,533	13,051	16.3%
15-5315-**-**	Comp Time - O&M	2,000	-	2,000	-
15-5401-**-**	Fringe Benefits IN to PC's & Depts.	561,396	33,060	528,336	5.9%
15-5700-**-**	Standby Pay	16,504	130	16,374	0.8%
	Total Payroll Costs	1,698,196	97,786	1,600,410	5.8%
Other Expenses					
15-5002-**-**	Electricity	202,348	17,429	184,919	8.6%
15-5003-**-**	Natural Gas	2,872	35	2,837	1.2%
15-5004-**-**	Potable & Reclaimed Water	25,000	1,965	23,035	7.9%
15-5006-**-**	Chlorine/Sodium Hypochlorite	94,004	5,123	88,881	5.4%
15-5007-**-**	Polymer Products	1,004	-	1,004	-
15-5008-**-**	Ferric Chloride	58,000	5,548	52,452	9.6%
15-5009-**-**	Odor Control Chemicals	51,004	4,021	46,983	7.9%
15-5011-**-**	Laboratory Services	20,000	80	19,920	0.4%
15-5012-**-**	Grit Hauling	23,000	1,662	21,338	7.2%
15-5013-**-**	Landscaping	57,000	-	57,000	-
15-5015-**-**	Management Support Services	10,000	-	10,000	-
15-5017-**-**	Legal Fees	30,000	-	30,000	-
15-5019-**-**	Contract Services Misc.	91,732	-	91,732	-
15-5021-**-**	Small Vehicle Expense	4,004	813	3,191	20.3%
15-5022-**-**	Miscellaneous Expense	1,000	-	1,000	-
15-5023-**-**	Office Supplies - All	4,004	58	3,946	1.5%
15-5024-**-**	Petroleum Products	3,000	-	3,000	-
15-5025-**-**	Uniforms	9,000	705	8,295	7.8%
15-5026-**-**	Small Vehicle Fuel	2,000	-	2,000	-
15-5027-**-**	Insurance - Property/Liability	47,112	2,108	45,004	4.5%
15-5028-**-**	Small Tools & Supplies	9,000	-	9,000	-
15-5030-**-**	Trash Disposal	2,996	145	2,851	4.8%
15-5031-**-**	Safety Supplies	35,000	3,111	31,889	8.9%
15-5032-**-**	Equipment Rental	1,000	-	1,000	-
15-5033-**-**	Recruitment	312	-	312	-
15-5034-**-**	Travel Expense/Tech. Conferences	5,244	-	5,244	-
15-5035-**-**	Training Expense	11,632	1,260	10,372	10.8%
15-5036-**-**	Laboratory Supplies	14,000	223	13,777	1.6%
15-5037-**-**	Office Equipment	2,996	61	2,935	2.0%
15-5038-**-**	Permits	4,820	481	4,339	10.0%
15-5039-**-**	Membership Dues/Fees	4,960	298	4,662	6.0%
15-5047-**-**	Access Road Expenses	45,000	-	45,000	-
15-5048-**-**	Storm Damage	21,000	-	21,000	-
15-5050-**-**	Contract Services Generators - 29A	5,000	-	5,000	-
15-5052-**-**	Janitorial Services	12,004	1,033	10,971	8.6%
15-5054-**-**	Diesel Truck Maint - 31B	1,000	-	1,000	-
15-5055-**-**	Diesel Truck Fuel - 37B	504	-	504	-
15-5057-**-**	Maintenance Equip. & Facilities (Liquids)	149,996	12,740	137,256	8.5%
15-5058-**-**	Maintenance Equip. & Facilities (Common)	23,000	545	22,455	0.02
15-5060-**-**	Maintenance Equip. & Facilities (AWT)	38,000	-	38,000	-
15-5061-**-**	Mileage	500	-	500	-
15-5076-**-**	SCADA Infrastructure	28,952	5,000	23,952	17.3%
15-5077-**-**	IT Direct	264	-	264	-
15-5303-**-**	Group Insurance Waiver	3,600	305	3,295	8.5%
15-5305-**-**	Medicare Tax Payments for Employees	2,160	170	1,990	7.9%
15-5705-**-**	Monthly Car Allowance	4,196	355	3,841	8.5%
15-6500-**-**	IT Allocations in to PC's & Depts.	136,476	7,057	129,419	5.2%
	Total Other Expenses	1,299,696	72,332	1,227,364	5.6%
	Total Expenses	2,997,892	170,118	2,827,774	5.7%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000-**-**-**	Regular Salaries-O&M	1,718,916	130,087	1,588,829	7.6%
17-5001-**-**-**	Overtime Salaries-O&M	49,452	4,302	45,150	8.7%
17-5306-**-**-**	Scheduled Holiday Work	38,136	5,000	33,136	13.1%
17-5315-**-**-**	Comp Time - O&M	5,716	1,640	4,076	28.7%
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	890,632	67,402	823,230	7.6%
17-5700-**-**-**	Standby Pay	26,000	3,705	22,295	14.3%
	Total Payroll Costs	2,728,852	212,136	2,516,716	7.8%
Other Expenses					
17-5002-**-**-**	Electricity	461,868	53,783	408,085	11.6%
17-5003-**-**-**	Natural Gas	90,976	14,229	76,747	15.6%
17-5004-**-**-**	Potable & Reclaimed Water	35,000	290	34,710	0.8%
17-5005-**-**-**	Co-generation Power Credit	(686,000)	(93,122)	(592,878)	13.6%
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	400,004	48,507	351,497	12.1%
17-5007-**-**-**	Polymer Products	441,000	53,293	387,707	12.1%
17-5008-**-**-**	Ferric Chloride	330,004	28,998	301,006	8.8%
17-5009-**-**-**	Odor Control Chemicals	35,008	7,164	27,844	20.5%
17-5010-**-**-**	Other Chemicals - Misc.	1,004	-	1,004	-
17-5011-**-**-**	Laboratory Services	22,996	345	22,651	1.5%
17-5012-**-**-**	Grit Hauling - 21A	42,000	1,764	40,236	4.2%
17-5013-**-**-**	Landscaping	85,004	6,587	78,417	7.7%
17-5015-**-**-**	Management Support Services	9,996	-	9,996	-
17-5017-**-**-**	Legal Fees	5,004	-	5,004	-
17-5019-**-**-**	Contract Services Misc.	96,312	-	96,312	-
17-5021-**-**-**	Small Vehicle Expense	7,000	620	6,380	8.9%
17-5022-**-**-**	Miscellaneous Expense	5,004	-	5,004	-
17-5023-**-**-**	Office Supplies - All	13,004	300	12,704	2.3%
17-5024-**-**-**	Petroleum Products	20,004	-	20,004	-
17-5025-**-**-**	Uniforms	28,000	3,054	24,946	10.9%
17-5026-**-**-**	Small Vehicle Fuel	9,004	-	9,004	-
17-5027-**-**-**	Insurance - Property/Liability	135,628	6,070	129,558	4.5%
17-5028-**-**-**	Small Tools & Supplies	30,000	2,980	27,020	9.9%
17-5030-**-**-**	Trash Disposal	2,504	67	2,437	2.7%
17-5031-**-**-**	Safety Supplies	41,248	2,837	38,411	6.9%
17-5032-**-**-**	Equipment Rental	3,004	1,509	1,495	50.2%
17-5033-**-**-**	Recruitment	728	-	728	-
17-5034-**-**-**	Travel Expense/Tech. Conferences	8,996	-	8,996	-
17-5035-**-**-**	Training Expense	15,480	1,260	14,220	8.1%
17-5036-**-**-**	Laboratory Supplies	24,392	339	24,053	1.4%
17-5037-**-**-**	Office Equipment	9,996	577	9,419	5.8%
17-5038-**-**-**	Permits	10,612	488	10,124	4.6%
17-5039-**-**-**	Membership Dues/Fees	7,892	293	7,599	3.7%
17-5049-**-**-**	Biosolids Disposal	850,000	62,123	787,877	7.3%
17-5050-**-**-**	Contract Services Generators - 29A	13,004	-	13,004	-
17-5052-**-**-**	Janitorial Services	42,000	2,981	39,019	7.1%
17-5054-**-**-**	Diesel Truck Maint	19,000	339	18,661	1.8%
17-5055-**-**-**	Diesel Truck Fuel	8,000	-	8,000	-
17-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	211,000	60,299	150,701	28.6%
17-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	242,000	19,136	222,864	7.9%
17-5058-**-**-**	Maintenance Equip. & Facilities (Common)	36,000	2,001	33,999	5.6%
17-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	461,876	11,166	450,710	2.4%
17-5060-**-**-**	Maintenance Equip. & Facilities (AWT) 41-E	50,000	-	50,000	-
17-5061-**-**-**	Mileage	1,004	92	913	9.1%
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	28,000	7,304	20,696	26.1%
17-5074-**-**-**	Education Reimbursement	1,996	-	1,996	-
17-5076-**-**-**	SCADA Infrastructure	28,684	5,000	23,684	17.4%
17-5077-**-**-**	IT Direct	2,624	-	2,624	-
17-5105-**-**-**	Co-Generation Power Credit - Offset	685,992	93,122	592,870	13.6%
17-5303-**-**-**	Group Insurance Waiver	7,196	609	6,587	8.5%
17-5309-**-**-**	Operating Leases	-	805	(805)	-
17-5705-**-**-**	Monthly Car Allowance	8,396	1,195	7,201	14.2%
17-6500-**-**-**	IT Allocations in to PC's & Depts.	216,520	11,195	205,325	5.2%
	Total Other Expenses	4,655,964	419,600	4,236,364	9.0%
	Total Expenses	7,384,816	631,736	6,753,080	8.6%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main					
Salary and Fringe					
21-5000-**-**-**	Regular Salaries-O&M	1,088	-	1,088	-
21-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	564	-	564	-
	Total Payroll Costs	1,652	-	1,652	-
Other Expenses					
21-5019-**-**-**	Contract Services Misc.	18,336	-	18,336	-
21-5027-**-**-**	Insurance - Property/Liability	-	-	-	-
	Total Other Expenses	18,336	-	18,336	-
	Total Expenses	19,988	-	19,988	-
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-**-**	Regular Salaries-O&M	149,296	9,481	139,815	6.4%
24-5001-**-**-**	Overtime Salaries-O&M	620	-	620	-
24-5306-**-**-**	Scheduled Holiday Work	264	44	220	16.6%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	77,364	4,951	72,413	6.4%
	Total Payroll Costs	227,544	14,476	213,068	6.4%
Other Expenses					
24-5015-**-**-**	Management Support Services	212,496	888	211,608	0.4%
24-5017-**-**-**	Legal Fees	2,008	-	2,008	-
24-5027-**-**-**	Insurance - Property/Liability	8,704	390	8,314	4.5%
24-5031-**-**-**	Safety Supplies	1,044	-	1,044	-
24-5033-**-**-**	Recruitment	556	-	556	-
24-5034-**-**-**	Travel Expense/Tech. Conferences	1,512	-	1,512	-
24-5035-**-**-**	Training Expense	1,956	-	1,956	-
24-5036-**-**-**	Laboratory Supplies	30,004	3,302	26,702	11.0%
24-5038-**-**-**	Permits	216,924	-	216,924	-
24-5039-**-**-**	Membership Dues/Fees	220	-	220	-
24-5044-**-**-**	Offshore Monitoring	75,504	3,339	72,166	4.4%
24-5045-**-**-**	Offshore Biochemistry - 20B	11,512	-	11,512	-
24-5046-**-**-**	Effluent Chemistry	35,000	26	34,974	0.1%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	-
24-6500-**-**-**	IT Allocations in to PC's & Depts.	18,796	972	17,824	5.2%
	Total Other Expenses	617,240	8,916	608,324	1.4%
	Total Expenses	844,784	23,392	821,392	2.8%
Total O&M Expenses		18,522,124	1,380,691	17,141,433	7.5%

Exhibit E-2

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

For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	175,927	11,706	164,221	6.7%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	91,154	6,065	85,089	6.7%
	Total Payroll Costs	267,081	17,772	249,310	6.7%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	-	3,184	-
01-5023-03-00-00	Office Supplies - All	208	-	208	-
01-5031-03-00-00	Safety Supplies	306	-	306	-
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,439	-	6,439	-
01-5035-03-00-00	Training Expense	2,244	-	2,244	-
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	-	1,377	-
01-5061-03-00-00	Mileage	510	-	510	-
01-5309-03-00-00	Operating Leases	9,300	-	9,300	-
01-5705-03-00-00	Monthly Car Allowance	4,200	355	3,845	8.5%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,293	2,834	51,459	5.2%
	Total Other Expenses	82,781	3,190	79,591	3.9%
	Total Engineering Expenses	349,863	20,962	328,901	6.0%

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT	998,424	57,399	941,025	5.7%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	-	10,000	-
01-6315-04-00-00	Comp Time - Admin	5,000	129	4,871	2.6%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	517,316	29,740	487,576	5.7%
	Total Payroll Costs	1,530,740	87,268	1,443,472	5.7%
Other Expenses					
01-6018-04-00-00	Public Notices/Public Relations	3,270	-	3,270	-
01-6101-04-00-00	HR Recruitment & Employee Relations	24,350	1,379	22,971	5.7%
01-6102-04-00-00	Subscriptions	2,081	1,261	820	60.6%
01-6103-04-00-00	Contract Labor	50,000	315	49,685	0.6%
01-6200-04-00-00	Management Support Services	90,000	-	90,000	-
01-6201-04-00-00	Audit	46,000	12,500	33,500	27.2%
01-6202-04-00-00	Legal	220,000	9,110	210,890	4.1%
01-6204-04-00-00	Postage	1,500	18	1,482	1.2%
01-6223-04-00-00	Office Supplies - Admin	4,500	787	3,713	17.5%
01-6224-04-00-00	Office Equipment Admin or IT	1,200	221	979	18.4%
01-6234-04-00-00	Memberships & Trainings	88,000	3,488	84,512	4.0%
01-6239-04-00-00	Travel & Conference	11,000	-	11,000	-
01-6241-04-00-00	Education Reimbursement	1,500	-	1,500	-
01-6310-04-00-00	Miscellaneous	18,000	1,296	16,704	7.2%
01-6311-04-00-00	Mileage	1,236	-	1,236	-
01-6317-04-00-00	Contract Services Misc	5,722	-	5,722	-
01-6500-04-00-00	IT Allocations in to PC's & Depts.	125,761	6,502	119,258	5.2%
01-6601-04-00-00	Shipping/Freight	3,815	1,237	2,578	32.4%
01-6705-04-00-00	Monthly Car Allowance	12,000	1,015	10,985	8.5%
	Total Other Expenses	709,934	39,130	670,804	5.5%
Total Admin Expenses		2,240,674	126,398	2,114,276	5.6%

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended July 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	100,076	5,689	94,387	5.7%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	51,852	2,948	48,904	5.7%
	Total Salary & Fringe	151,928	8,637	143,291	5.7%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	200	800	20.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	-
01-6224-05-00-00	Office Equipment Admin or IT	600	-	600	-
01-6234-05-00-00	Memberships & Trainings	2,750	-	2,750	-
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	-
01-6300-05-00-00	Software Maintenance Agreements	41,026	860	40,166	2.1%
01-6301-05-00-00	Hardware Maintenance Agreements	14,726	-	14,726	-
01-6302-05-00-00	Cloud Subscriptions (Internet)	177,328	8,190	169,138	4.6%
01-6303-05-00-00	Telecommunications	165,582	8,560	157,022	5.2%
01-6305-05-00-00	IT Professional Services	92,400	2,331	90,069	2.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	40,985	498	40,487	1.2%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	28,968	3,928	25,040	13.6%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	7,702	56,471	12.0%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
	Total Other Expenses	639,198	32,268	606,930	5.0%
Total Expenses before Allocation		791,126	40,905	750,221	5.2%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(791,126)	(40,905)	(750,221)	5.2%
	Total IT Allocations (Out) to PC's & Depts	(791,126)	(40,905)	(750,221)	5.2%

Agenda Item

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of August 2021

Summary/Discussion

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

The reports included are as follows:

1. Summary of Disbursements for August 2021 (Exhibit A)
 - ***The August Disbursements did include payment amounts to West Yost.***
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

Fiscal impact

August 2021 cash disbursements were: \$ 3,118,837.

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

Recommended Action: The Finance Committee recommends to the Board of Directors to ratify the August 2021 disbursements for the period from August 1, 2021, through August 31, 2021, totaling \$3,118,837, and to receive and file the August 2021 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
Summary of Disbursements for August 2021
Staff Recommendation of Fiscal Matters**

	<u>Actual</u>
General Fund	\$ (277,017)
PC 2 - Jay B. Latham Plant	(1,211,159)
PC 5 - San Juan Creek Ocean Outfall	(15,565)
PC 8 - Pretreatment Program	(16,340)
PC 12 SO - Water Reclamation Permits	(60,535)
PC 15 - Coastal Treatment Plant/AWT	(785,794)
PC 17 - Joint Regional Wastewater Reclamation	(722,984)
PC 21 - Effluent Transmission Main	(10,821)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(18,623)
Total	<u><u>\$ (3,118,837)</u></u>

Exhibit B

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of August 31, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$ 1,860,499
L.A.I.F. FUNDS: (BEGINNING BAL.)	8,599,365
DEPOSITS, TRANSFERS & ADJUSTMENTS:	8,401,985
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION ¹	<u>(3,118,837)</u>
TOTAL CASH IN BANK	<u>\$ 15,743,012</u>

¹ GL postings.

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.

Betty Burnett
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 10/06/21



PMIA Average Monthly Effective Yields⁽¹⁾

Sep	0.206
Aug	0.221
Jul	0.221

Quarterly Performance Quarter Ended 06/30/21

LAIF Apportionment Rate ⁽²⁾ :	0.33
LAIF Earnings Ratio ⁽²⁾ :	0.00000897371743018
LAIF Fair Value Factor ⁽¹⁾ :	1.00008297
PMIA Daily ⁽¹⁾ :	0.22%
PMIA Quarter to Date ⁽¹⁾ :	0.30%
PMIA Average Life ⁽¹⁾ :	291

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 08/31/21 \$176.7 billion

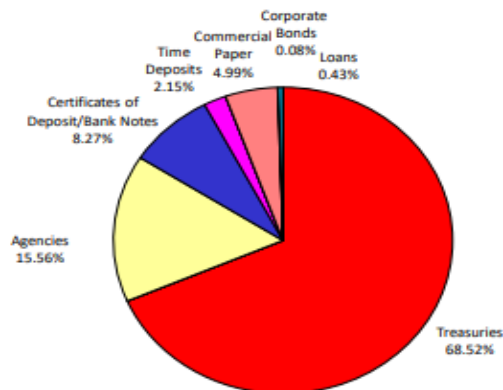


Chart does not include \$8,585,000.00 in mortgages, which equates to 0.004859%. Percentages may not total 100% due to rounding.

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).

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 August 31, 2021**

MVA	\$ 2,765	(A)
A/P Checking	1,312,028	(B)
Payroll Checking	370,855	(C)
State LAIF	14,057,365	(D)
Total Cash in Bank	\$ 15,743,012	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 15,744,612	
OPEB Trust	6,774,894	(F)
Total Cash and Investments	\$ 22,519,507	

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.

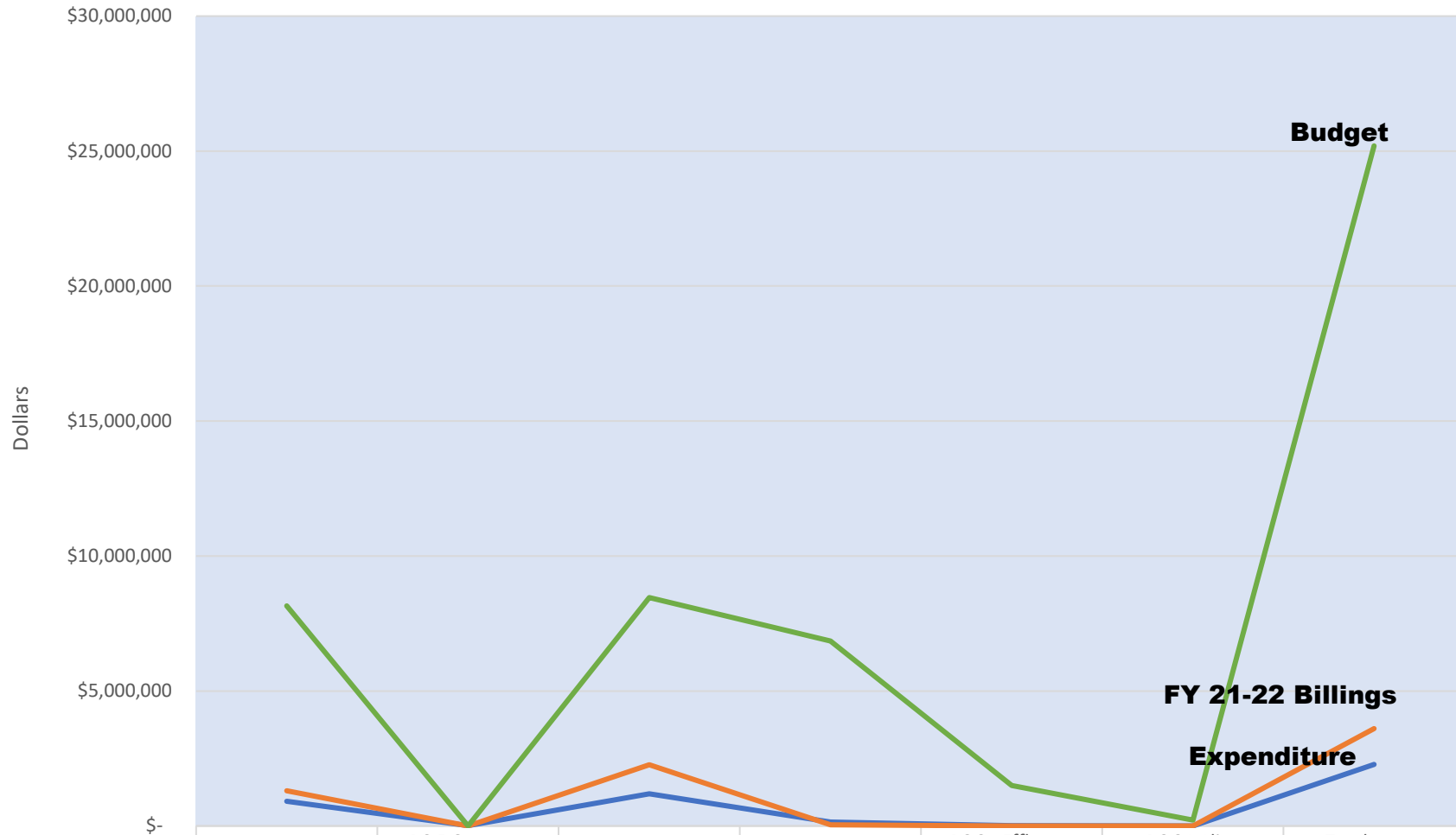
South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended August 31, 2021
(in dollars)

FY 2021-22 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	\$ 8,153,937	\$ 917,024	\$ 7,236,913	11.2%	\$ 1,303,750	\$ 1,303,750	\$ -	70.3%
PC 5-San Juan Creek Outfall ¹	-	12,688	(12,688)		-	-	-	-
PC 15-Coastal	8,464,653	1,193,833	7,270,820	14.1%	2,264,999	2,264,999	-	52.7%
PC 17-Regional	6,851,959	140,426	6,711,533	2.0%	38,249	38,249	-	367.1%
PC 21 Effluent Transmission	1,502,000	15,462	1,486,538	1.0%	-	-	-	-
PC 24 Aliso Creek Outfall	220,000	-	220,000	0.0%	-	-	-	-
Total Large Capital	\$ 25,192,549	\$ 2,279,434	\$ 22,913,115	9.0%	\$ 3,606,998	\$ 3,606,998	\$ -	63.2%
Non-Capital Engineering	405,871	8,307	397,565	2.0%	25,000	25,000	-	33.2%
Non-Capital Misc Engineering	254,500	11,530	242,970	4.5%	6,000	6,000	-	192.2%
Small Internal Capital	2,061,000	207,222	1,853,778	10.1%	515,250	515,250	-	40.2%
Total Capital	\$ 27,913,920	\$ 2,506,493	\$ 25,407,427	9.0%	\$ 4,153,248	\$ 4,153,248	\$ -	60.4%

¹ PC 24 is paid out of Cash on Hand collected in an earlier year.

Large Capital Projects Fiscal Year '21-22 Budget vs. Year-to-Date Expenditures & Billings as of 8/31/2021

Exhibit D-1



	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 8/31/21	\$917,024	12,688.00	\$1,193,833	\$140,426	\$15,461.76	-	\$2,279,434
FY 21-22 Billings	\$1,303,750	-	\$2,264,999	\$38,249	-	-	\$3,606,998
Capital Budget 21-22	\$8,153,937	-	\$8,464,653	\$6,851,959	\$1,502,000	\$220,000	\$25,192,549

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary**

For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
5000--**_**	Regular Salaries-O&M	4,847,168	750,093	4,097,075	15.5%
5001--**_**	Overtime Salaries-O&M	107,256	14,887	92,369	13.9%
5306--**_**	Scheduled Holiday Work	91,000	13,209	77,791	14.5%
5315--**_**	Comp Time - O&M	15,980	5,037	10,943	31.5%
5401--**_**	Fringe Benefits IN to PC's & Depts.	2,511,460	388,648	2,122,812	15.5%
5700--**_**	Standby Pay	67,600	11,440	56,160	16.9%
	Total Payroll Costs	7,640,464	1,183,315	6,457,149	15.5%
Other Expenses					
5002--**_**	Electricity	1,170,780	202,515	968,265	17.3%
5003--**_**	Natural Gas	226,008	53,643	172,365	23.7%
5004--**_**	Potable & Reclaimed Water	85,000	6,726	78,274	7.9%
5005--**_**	Co-generation Power Credit	(686,000)	(191,395)	(494,605)	27.9%
5006--**_**	Chlorine/Sodium Hypochlorite	502,008	106,185	395,823	21.2%
5007--**_**	Polymer Products	747,004	135,472	611,532	18.1%
5008--**_**	Ferric Chloride	588,004	105,902	482,102	18.0%
5009--**_**	Odor Control Chemicals	107,016	22,504	84,512	21.0%
5010--**_**	Other Chemicals - Misc.	2,004	-	2,004	-
5011--**_**	Laboratory Services	65,196	1,781	63,415	2.7%
5012--**_**	Grit Hauling	120,000	17,211	102,789	14.3%
5013--**_**	Landscaping	219,008	26,323	192,685	12.0%
5015--**_**	Management Support Services	475,000	8,636	466,364	1.8%
5016--**_**	Audit - Environmental	1,304	-	1,304	-
5017--**_**	Legal Fees	48,612	5,513	43,099	11.3%
5018--**_**	Public Notices/ Public Relations	6,000	-	6,000	-
5019--**_**	Contract Services Misc.	277,016	-	277,016	-
5021--**_**	Small Vehicle Expense	23,080	3,649	19,431	15.8%
5022--**_**	Miscellaneous Expense	16,012	159	15,853	1.0%
5023--**_**	Office Supplies - All	46,008	3,869	42,139	8.4%
5024--**_**	Petroleum Products	34,008	454	33,554	1.3%
5025--**_**	Uniforms	70,996	10,948	60,048	15.4%
5026--**_**	Small Vehicle Fuel	22,656	1,507	21,149	6.7%
5027--**_**	Insurance - Property/Liability	317,684	26,047	291,637	8.2%
5028--**_**	Small Tools & Supplies	80,000	13,157	66,843	16.4%
5030--**_**	Trash Disposal	8,500	899	7,601	10.6%
5031--**_**	Safety Program & Supplies	119,344	16,946	102,398	14.2%
5032--**_**	Equipment Rental	7,004	1,509	5,495	21.6%
5033--**_**	Recruitment	2,500	164	2,336	6.6%
5034--**_**	Travel Expense/Tech. Conferences	29,928	10	29,918	0.0%
5035--**_**	Training Expense	47,996	7,860	40,136	16.4%
5036--**_**	Laboratory Supplies	124,400	19,040	105,360	15.3%
5037--**_**	Office Equipment	25,992	4,358	21,634	16.8%
5038--**_**	Permits	489,996	18,855	471,141	3.8%
5039--**_**	Membership Dues/Fees	17,872	1,621	16,251	9.1%
5044--**_**	Offshore Monitoring	151,000	5,274	145,726	3.5%
5045--**_**	Offshore Biochemistry - 20B	23,024	-	23,024	-
5046--**_**	Effluent Chemistry	70,000	2,859	67,141	4.1%
5047--**_**	Access Road Expenses	45,000	-	45,000	-
5048--**_**	Storm Damage	21,000	-	21,000	-
5049--**_**	Biosolids Disposal	1,470,000	241,074	1,228,926	16.4%
5050--**_**	Contract Services Generators - 29A	28,008	4,145	23,863	14.8%
5052--**_**	Janitorial Services	101,004	15,003	86,001	14.9%
5053--**_**	Contract Serv - Digester Cleaning - 29E	60,000	30,676	29,324	51.1%
5054--**_**	Diesel Truck Maint	42,000	1,284	40,716	3.1%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
5055--**-**	Diesel Truck Fuel	11,500	416	11,084	3.6%
5056--**-**	Maintenance Equip. & Facilities (Solids)	366,000	118,905	247,095	32.5%
5057--**-**	Maintenance Equip. & Facilities (Liquids)	651,996	63,547	588,449	9.7%
5058--**-**	Maintenance Equip. & Facilities (Common)	90,008	29,502	60,506	32.8%
5059--**-**	Maintenance Equip. & Facilities (Co-Gen)	738,996	83,583	655,413	11.3%
5060--**-**	Maintenance Equip. & Facilities (AWT)	88,000	3,689	84,311	4.2%
5061--**-**	Mileage	3,608	192	3,416	5.3%
5068--**-**	MNWD Potable Water Supplies & Svcs.	28,000	10,722	17,278	38.3%
5074--**-**	Education Reimbursement	1,996	101	1,895	5.1%
5076--**-**	SCADA Infrastructure	86,596	30,000	56,596	34.6%
5077--**-**	IT Direct	5,508	-	5,508	-
5105--**-**	Co-Generation Power Credit - Offset	685,992	191,395	494,597	27.9%
5303--**-**	Group Insurance Waiver	14,392	2,437	11,955	16.9%
5305--**-**	Medicare Tax Payments for Employees	2,160	317	1,843	14.7%
5309--**-**	Operating Leases	26,000	5,263	20,737	20.2%
5705--**-**	Monthly Car Allowance	35,396	6,799	28,597	19.2%
5799--**-**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	0	100.0%
6500--**-**	IT Allocations in to PC's & Depts.	610,540	62,933	547,607	10.3%
	Total Other Expenses	10,881,660	1,528,185	9,353,475	14.0%
Total O&M Expenses		18,522,124	2,711,500	15,810,624	14.6%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**	Regular Salaries-O&M	1,585,228	267,666	1,317,562	16.9%
02-5001-**-**	Overtime Salaries-O&M	37,904	8,696	29,208	22.9%
02-5306-**-**	Scheduled Holiday Work	36,600	4,903	31,697	13.4%
02-5315-**-**	Comp Time - O&M	8,264	2,527	5,737	30.6%
02-5401-**-**	Fringe Benefits IN to PC's & Depts.	821,352	138,687	682,665	16.9%
02-5700-**-**	Standby Pay	25,096	4,680	20,416	18.6%
	Total Payroll Costs	2,514,444	427,159	2,087,285	17.0%
Other Expenses					
02-5002-**-**	Electricity	506,564	72,764	433,800	14.4%
02-5003-**-**	Natural Gas	132,160	23,962	108,198	18.1%
02-5004-**-**	Potable & Reclaimed Water	25,000	2,476	22,525	9.9%
02-5006-**-**	Chlorine/Sodium Hypochlorite	8,000	1,255	6,745	15.7%
02-5007-**-**	Polymer Products	305,000	64,540	240,460	21.2%
02-5008-**-**	Ferric Chloride	200,000	38,415	161,585	19.2%
02-5009-**-**	Odor Control Chemicals	21,004	5,096	15,908	24.3%
02-5010-**-**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011-**-**	Laboratory Services	19,000	264	18,736	1.4%
02-5012-**-**	Grit Hauling	55,000	8,342	46,658	15.2%
02-5013-**-**	Landscaping	77,004	8,078	68,926	10.5%
02-5015-**-**	Management Support Services	30,008	3,550	26,458	11.8%
02-5017-**-**	Legal Fees	4,996	928	4,068	18.6%
02-5019-**-**	Contract Services Misc.	70,636	-	70,636	-
02-5021-**-**	Small Vehicle Expense	11,000	1,091	9,909	9.9%
02-5022-**-**	Miscellaneous Expense	8,000	83	7,917	1.0%
02-5023-**-**	Office Supplies - All	29,000	1,546	27,454	5.3%
02-5024-**-**	Petroleum Products	11,004	-	11,004	-
02-5025-**-**	Uniforms	33,996	4,857	29,139	14.3%
02-5026-**-**	Small Vehicle Fuel	10,004	856	9,148	8.6%
02-5027-**-**	Insurance - Property/Liability	108,384	9,422	98,962	8.7%
02-5028-**-**	Small Tools & Supplies	38,000	1,021	36,979	2.7%
02-5030-**-**	Trash Disposal	3,000	282	2,718	9.4%
02-5031-**-**	Safety Program & Supplies	41,000	7,996	33,004	19.5%
02-5032-**-**	Equipment Rental	3,000	-	3,000	-
02-5033-**-**	Recruitment	348	164	184	47.1%
02-5034-**-**	Travel Expense/Tech. Conferences	9,012	-	9,012	-
02-5035-**-**	Training Expense	16,976	2,559	14,417	15.1%
02-5036-**-**	Laboratory Supplies	21,004	1,344	19,660	6.4%
02-5037-**-**	Office Equipment	13,000	2,573	10,427	19.8%
02-5038-**-**	Permits	13,496	17,818	(4,322)	132.0%
02-5039-**-**	Membership Dues/Fees	4,516	344	4,172	7.6%
02-5049-**-**	Biosolids Disposal	620,000	99,001	520,999	16.0%
02-5050-**-**	Contract Services Generators - 29A	10,004	-	10,004	-
02-5052-**-**	Janitorial Services	47,000	7,531	39,469	16.0%
02-5053-**-**	Contract Serv - Digester Cleaning - 29E	60,000	30,676	29,324	51.1%
02-5054-**-**	Diesel Truck Maint	22,000	18	21,982	0.1%
02-5055-**-**	Diesel Truck Fuel - 37B	2,996	-	2,996	-
02-5056-**-**	Maintenance Equip. & Facilities (Solids)	155,000	36,129	118,871	23.3%
02-5057-**-**	Maintenance Equip. & Facilities (Liquids)	260,000	17,562	242,438	6.8%
02-5058-**-**	Maintenance Equip. & Facilities (Common)	29,000	22,324	6,676	77.0%
02-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	277,120	44,020	233,100	15.9%
02-5061-**-**	Mileage	2,104	57	2,047	2.7%
02-5076-**-**	SCADA Infrastructure	28,960	10,000	18,960	34.5%
02-5077-**-**	IT Direct	2,620	-	2,620	-
02-5303-**-**	Group Insurance Waiver	3,596	609	2,987	16.9%
02-5309-**-**	Operating Leases	26,000	3,348	22,652	12.9%
02-5705-**-**	Monthly Car Allowance	22,804	3,859	18,946	16.9%
02-5799-**-**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	-	100.0%
02-6500-**-**	IT Allocations in to PC's & Depts.	199,812	20,596	179,216	10.3%
	Total Other Expenses	3,585,128	563,357	3,021,771	15.7%
	Total Expenses	6,099,572	990,517	5,109,055	16.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000-**-**-**	Regular Salaries-O&M	146,556	16,175	130,381	11.0%
05-5001-**-**-**	Overtime Salaries-O&M	72	-	72	-
05-5306-**-**-**	Scheduled Holiday Work	416	44	372	10.5%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	75,928	8,381	67,547	11.0%
	Total Payroll Costs	222,972	24,599	198,373	11.0%
Other Expenses					
05-5015-**-**-**	Management Support Services	212,500	4,138	208,362	1.9%
05-5017-**-**-**	Legal Fees	2,008	-	2,008	-
05-5026-**-**-**	Small Vehicle Fuel	500	-	500	-
05-5027-**-**-**	Insurance - Property/Liability	9,668	768	8,900	7.9%
05-5031-**-**-**	Safety Supplies	1,052	-	1,052	-
05-5033-**-**-**	Recruitment	556	-	556	-
05-5034-**-**-**	Travel Expense/Tech. Conferences	1,512	10	1,502	0.6%
05-5035-**-**-**	Training Expense	1,952	-	1,952	-
05-5036-**-**-**	Laboratory Supplies	35,000	6,150	28,850	17.6%
05-5038-**-**-**	Permits	228,968	-	228,968	-
05-5039-**-**-**	Membership Dues/Fees	216	-	216	-
05-5044-**-**-**	Offshore Monitoring	75,496	617	74,879	0.8%
05-5045-**-**-**	Offshore Biochemistry - 20B	11,512	-	11,512	-
05-5046-**-**-**	Effluent Chemistry	35,000	1,047	33,953	3.0%
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,004	189	815	18.8%
05-6500-**-**-**	IT Allocations in to PC's & Depts.	18,464	1,903	16,561	10.3%
	Total Other Expenses	635,408	14,822	620,586	2.3%
	Total Expenses	858,380	39,421	818,959	4.6%
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	117,772	20,122	97,650	17.1%
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	61,016	10,426	50,590	17.1%
	Total Payroll Costs	178,788	30,548	148,240	17.1%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,200	295	2,905	9.2%
08-5016-**-**-**	Audit - Environmental	1,304	-	1,304	-
08-5017-**-**-**	Legal Fees	2,596	-	2,596	-
08-5018-**-**-**	Public Notices/ Public Relations	6,000	-	6,000	-
08-5021-**-**-**	Small Vehicle Expense - 31A	1,076	-	1,076	-
08-5022-**-**-**	Miscellaneous Expense	2,008	-	2,008	-
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,148	-	1,148	-
08-5027-**-**-**	Insurance - Property/Liability	3,024	240	2,784	7.9%
08-5028-**-**-**	Small Tools & Supplies	3,000	706	2,294	23.5%
08-5034-**-**-**	Travel Expense/Tech. Conferences	2,732	-	2,732	-
08-5035-**-**-**	Training Expense	-	150	(150)	-
08-5038-**-**-**	Permits and Fines	3,132	-	3,132	-
08-6500-**-**-**	IT Allocations in to PC's & Depts.	14,832	1,529	13,303	10.3%
	Total Other Expenses	44,052	2,920	41,132	6.6%
	Total Expenses	222,840	33,468	189,372	15.0%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	44,808	18,620	26,188	41.6%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	23,208	9,648	13,560	41.6%
	Total Payroll Costs	68,016	28,268	39,748	41.6%
Other Expenses					
12-5015-**-**-**	Management Support Services	-	-	-	-
12-5017-**-**-**	Legal Fees	2,000	-	2,000	-
12-5027-**-**-**	Insurance - Property/Liability	5,164	410	4,754	7.9%
12-5034-**-**-**	Travel Expense/Tech. Conferences	920	-	920	-
12-5038-**-**-**	Permits	12,044	-	12,044	-
12-5039-**-**-**	Membership Dues/Fees	68	-	68	-
12-6500-**-**-**	IT Allocations in to PC's & Depts.	5,640	582	5,058	10.3%
	Total Other Expenses	25,836	992	24,844	3.8%
	Total Expenses	93,852	29,260	64,592	31.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**	Regular Salaries-O&M	1,083,504	140,218	943,286	12.9%
15-5001-**-**	Overtime Salaries-O&M	19,208	-	19,208	-
15-5306-**-**	Scheduled Holiday Work	15,584	2,689	12,895	17.3%
15-5315-**-**	Comp Time - O&M	2,000	283	1,717	14.1%
15-5401-**-**	Fringe Benefits IN to PC's & Depts.	561,396	73,136	488,260	13.0%
15-5700-**-**	Standby Pay	16,504	650	15,854	3.9%
	Total Payroll Costs	1,698,196	216,975	1,481,221	12.8%
Other Expenses					
15-5002-**-**	Electricity	202,348	45,776	156,572	22.6%
15-5003-**-**	Natural Gas	2,872	71	2,801	2.5%
15-5004-**-**	Potable & Reclaimed Water	25,000	1,965	23,035	7.9%
15-5006-**-**	Chlorine/Sodium Hypochlorite	94,004	15,570	78,434	16.6%
15-5007-**-**	Polymer Products	1,004	-	1,004	-
15-5008-**-**	Ferric Chloride	58,000	15,294	42,706	26.4%
15-5009-**-**	Odor Control Chemicals	51,004	9,700	41,304	19.0%
15-5011-**-**	Laboratory Services	20,000	479	19,521	2.4%
15-5012-**-**	Grit Hauling	23,000	2,923	20,078	12.7%
15-5013-**-**	Landscaping	57,000	5,070	51,930	8.9%
15-5015-**-**	Management Support Services	10,000	-	10,000	-
15-5017-**-**	Legal Fees	30,000	666	29,334	2.2%
15-5019-**-**	Contract Services Misc.	91,732	-	91,732	-
15-5021-**-**	Small Vehicle Expense	4,004	1,378	2,626	34.4%
15-5022-**-**	Miscellaneous Expense	1,000	-	1,000	-
15-5023-**-**	Office Supplies - All	4,004	1,257	2,747	31.4%
15-5024-**-**	Petroleum Products	3,000	-	3,000	-
15-5025-**-**	Uniforms	9,000	1,287	7,713	14.3%
15-5026-**-**	Small Vehicle Fuel	2,000	98	1,902	4.9%
15-5027-**-**	Insurance - Property/Liability	47,112	3,742	43,370	7.9%
15-5028-**-**	Small Tools & Supplies	9,000	-	9,000	-
15-5030-**-**	Trash Disposal	2,996	290	2,706	9.7%
15-5031-**-**	Safety Supplies	35,000	4,238	30,762	12.1%
15-5032-**-**	Equipment Rental	1,000	-	1,000	-
15-5033-**-**	Recruitment	312	-	312	-
15-5034-**-**	Travel Expense/Tech. Conferences	5,244	-	5,244	-
15-5035-**-**	Training Expense	11,632	2,434	9,198	20.9%
15-5036-**-**	Laboratory Supplies	14,000	2,984	11,016	21.3%
15-5037-**-**	Office Equipment	2,996	394	2,602	13.1%
15-5038-**-**	Permits	4,820	511	4,309	10.6%
15-5039-**-**	Membership Dues/Fees	4,960	396	4,564	8.0%
15-5047-**-**	Access Road Expenses	45,000	-	45,000	-
15-5048-**-**	Storm Damage	21,000	-	21,000	-
15-5049-**-**	Biosolids Disposal	-	10,308	(10,308)	-
15-5050-**-**	Contract Services Generators - 29A	5,000	-	5,000	-
15-5052-**-**	Janitorial Services	12,004	1,966	10,038	16.4%
15-5054-**-**	Diesel Truck Maint - 31B	1,000	-	1,000	-
15-5055-**-**	Diesel Truck Fuel - 37B	504	-	504	-
15-5057-**-**	Maintenance Equip. & Facilities (Liquids)	149,996	21,827	128,169	14.6%
15-5058-**-**	Maintenance Equip. & Facilities (Common)	23,000	575	22,425	2.5%
15-5060-**-**	Maintenance Equip. & Facilities (AWT)	38,000	3,266	34,734	8.6%
15-5061-**-**	Mileage	500	43	457	8.6%
15-5076-**-**	SCADA Infrastructure	28,952	10,000	18,952	34.5%
15-5077-**-**	IT Direct	264	-	264	-
15-5303-**-**	Group Insurance Waiver	3,600	609	2,991	16.9%
15-5305-**-**	Medicare Tax Payments for Employees	2,160	317	1,843	14.7%
15-5705-**-**	Monthly Car Allowance	4,196	711	3,485	16.9%
15-6500-**-**	IT Allocations in to PC's & Depts.	136,476	14,068	122,408	10.3%
	Total Other Expenses	1,299,696	180,211	1,119,485	13.9%
	Total Expenses	2,997,892	397,186	2,600,706	13.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000-**-**-**	Regular Salaries-O&M	1,718,916	270,960	1,447,956	15.8%
17-5001-**-**-**	Overtime Salaries-O&M	49,452	7,127	42,325	14.4%
17-5306-**-**-**	Scheduled Holiday Work	38,136	5,529	32,607	14.5%
17-5315-**-**-**	Comp Time - O&M	5,716	2,228	3,488	39.0%
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	890,632	140,393	750,239	15.8%
17-5700-**-**-**	Standby Pay	26,000	6,110	19,890	23.5%
	Total Payroll Costs	2,728,852	432,347	2,296,505	15.8%
Other Expenses					
17-5002-**-**-**	Electricity	461,868	83,975	377,893	18.2%
17-5003-**-**-**	Natural Gas	90,976	29,610	61,366	32.5%
17-5004-**-**-**	Potable & Reclaimed Water	35,000	2,286	32,714	6.5%
17-5005-**-**-**	Co-generation Power Credit	(686,000)	(191,395)	(494,605)	27.9%
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	400,004	89,360	310,644	22.3%
17-5007-**-**-**	Polymer Products	441,000	70,932	370,068	16.1%
17-5008-**-**-**	Ferric Chloride	330,004	52,193	277,811	15.8%
17-5009-**-**-**	Odor Control Chemicals	35,008	7,709	27,299	22.0%
17-5010-**-**-**	Other Chemicals - Misc.	1,004	-	1,004	-
17-5011-**-**-**	Laboratory Services	22,996	744	22,252	3.2%
17-5012-**-**-**	Grit Hauling - 21A	42,000	5,946	36,054	14.2%
17-5013-**-**-**	Landscaping	85,004	13,175	71,829	15.5%
17-5015-**-**-**	Management Support Services	9,996	-	9,996	-
17-5017-**-**-**	Legal Fees	5,004	552	4,452	11.0%
17-5019-**-**-**	Contract Services Misc.	96,312	-	96,312	-
17-5021-**-**-**	Small Vehicle Expense	7,000	1,180	5,820	16.9%
17-5022-**-**-**	Miscellaneous Expense	5,004	77	4,927	1.5%
17-5023-**-**-**	Office Supplies - All	13,004	1,066	11,938	8.2%
17-5024-**-**-**	Petroleum Products	20,004	454	19,550	2.3%
17-5025-**-**-**	Uniforms	28,000	4,804	23,196	17.2%
17-5026-**-**-**	Small Vehicle Fuel	9,004	553	8,451	6.1%
17-5027-**-**-**	Insurance - Property/Liability	135,628	10,773	124,855	7.9%
17-5028-**-**-**	Small Tools & Supplies	30,000	11,430	18,570	38.1%
17-5030-**-**-**	Trash Disposal	2,504	327	2,177	13.1%
17-5031-**-**-**	Safety Supplies	41,248	4,712	36,536	11.4%
17-5032-**-**-**	Equipment Rental	3,004	1,509	1,495	50.2%
17-5033-**-**-**	Recruitment	728	-	728	-
17-5034-**-**-**	Travel Expense/Tech. Conferences	8,996	-	8,996	-
17-5035-**-**-**	Training Expense	15,480	2,717	12,763	17.6%
17-5036-**-**-**	Laboratory Supplies	24,392	2,633	21,759	10.8%
17-5037-**-**-**	Office Equipment	9,996	1,391	8,605	13.9%
17-5038-**-**-**	Permits	10,612	526	10,086	5.0%
17-5039-**-**-**	Membership Dues/Fees	7,892	881	7,011	11.2%
17-5049-**-**-**	Biosolids Disposal	850,000	131,765	718,235	15.5%
17-5050-**-**-**	Contract Services Generators - 29A	13,004	4,145	8,859	31.9%
17-5052-**-**-**	Janitorial Services	42,000	5,506	36,494	13.1%
17-5054-**-**-**	Diesel Truck Maint	19,000	1,266	17,734	6.7%
17-5055-**-**-**	Diesel Truck Fuel	8,000	416	7,584	5.2%
17-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	211,000	82,776	128,224	39.2%
17-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	242,000	24,157	217,843	10.0%
17-5058-**-**-**	Maintenance Equip. & Facilities (Common)	36,000	6,414	29,586	17.8%
17-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	461,876	39,562	422,314	8.6%
17-5060-**-**-**	Maintenance Equip. & Facilities (AWT) 41-E	50,000	422	49,578	0.8%
17-5061-**-**-**	Mileage	1,004	92	913	9.1%
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	28,000	10,722	17,278	38.3%
17-5074-**-**-**	Education Reimbursement	1,996	101	1,895	5.1%
17-5076-**-**-**	SCADA Infrastructure	28,684	10,000	18,684	34.9%
17-5077-**-**-**	IT Direct	2,624	-	2,624	-
17-5105-**-**-**	Co-Generation Power Credit - Offset	685,992	191,395	494,597	27.9%
17-5303-**-**-**	Group Insurance Waiver	7,196	1,218	5,978	16.9%
17-5309-**-**-**	Operating Leases	-	1,915	(1,915)	-
17-5705-**-**-**	Monthly Car Allowance	8,396	2,229	6,167	26.6%
17-6500-**-**-**	IT Allocations in to PC's & Depts.	216,520	22,318	194,202	10.3%
	Total Other Expenses	4,655,964	746,540	3,909,424	16.0%
	Total Expenses	7,384,816	1,178,888	6,205,928	16.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main					
Salary and Fringe					
21-5000-**-**-**	Regular Salaries-O&M	1,088	-	1,088	-
21-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	564	-	564	-
	Total Payroll Costs	1,652	-	1,652	-
Other Expenses					
21-5019-**-**-**	Contract Services Misc.	18,336	-	18,336	-
21-5027-**-**-**	Insurance - Property/Liability	-	-	-	-
	Total Other Expenses	18,336	-	18,336	-
	Total Expenses	19,988	-	19,988	-
23 - North Coast Interceptor					
Other Expenses					
23-5017-**-**-**	Legal Fees	-	3,367	(3,367)	-
	Total Expenses	-	3,367	(3,367)	-
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-**-**	Regular Salaries-O&M	149,296	15,397	133,899	10.3%
24-5001-**-**-**	Overtime Salaries-O&M	620	-	620	-
24-5306-**-**-**	Scheduled Holiday Work	264	44	220	16.6%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	77,364	7,978	69,386	10.3%
	Total Payroll Costs	227,544	23,418	204,126	10.3%
Other Expenses					
24-5015-**-**-**	Management Support Services	212,496	948	211,548	0.4%
24-5017-**-**-**	Legal Fees	2,008	-	2,008	-
24-5027-**-**-**	Insurance - Property/Liability	8,704	691	8,013	7.9%
24-5031-**-**-**	Safety Supplies	1,044	-	1,044	-
24-5033-**-**-**	Recruitment	556	-	556	-
24-5034-**-**-**	Travel Expense/Tech. Conferences	1,512	-	1,512	-
24-5035-**-**-**	Training Expense	1,956	-	1,956	-
24-5036-**-**-**	Laboratory Supplies	30,004	5,928	24,076	19.8%
24-5038-**-**-**	Permits	216,924	-	216,924	-
24-5039-**-**-**	Membership Dues/Fees	220	-	220	-
24-5044-**-**-**	Offshore Monitoring	75,504	4,657	70,847	6.2%
24-5045-**-**-**	Offshore Biochemistry - 20B	11,512	-	11,512	-
24-5046-**-**-**	Effluent Chemistry	35,000	1,812	33,188	5.2%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	-
24-6500-**-**-**	IT Allocations in to PC's & Depts.	18,796	1,938	16,858	10.3%
	Total Other Expenses	617,240	15,975	601,265	2.6%
	Total Expenses	844,784	39,393	805,391	4.7%
Total O&M Expenses		18,522,124	2,711,500	15,810,624	14.6%

Exhibit E-2

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

For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	175,927	22,777	153,150	12.9%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	91,154	11,802	79,353	12.9%
	Total Payroll Costs	267,081	34,579	232,503	12.9%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	84	3,100	2.6%
01-5023-03-00-00	Office Supplies - All	208	-	208	-
01-5031-03-00-00	Safety Supplies	306	-	306	-
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,439	-	6,439	-
01-5035-03-00-00	Training Expense	2,244	-	2,244	-
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	-	1,377	-
01-5061-03-00-00	Mileage	510	21	490	4.0%
01-5309-03-00-00	Operating Leases	9,300	-	9,300	-
01-5705-03-00-00	Monthly Car Allowance	4,200	711	3,489	16.9%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,293	5,651	48,643	10.4%
	Total Other Expenses	82,781	6,466	76,315	7.8%
	Total Engineering Expenses	349,863	41,045	308,818	11.7%

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT	998,424	140,401	858,023	14.1%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	300	9,700	3.0%
01-6315-04-00-00	Comp Time - Admin	5,000	473	4,527	9.5%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	517,316	72,746	444,570	14.1%
	Total Payroll Costs	1,530,740	213,920	1,316,820	14.0%
Other Expenses					
01-6018-04-00-00	Public Notices/Public Relations	3,270	-	3,270	-
01-6101-04-00-00	HR Recruitment & Employee Relations	24,350	3,118	21,232	12.8%
01-6102-04-00-00	Subscriptions	2,081	1,363	718	65.5%
01-6103-04-00-00	Contract Labor	50,000	4,036	45,964	8.1%
01-6200-04-00-00	Management Support Services	90,000	7,416	82,584	8.2%
01-6201-04-00-00	Audit	46,000	15,000	31,000	32.6%
01-6202-04-00-00	Legal	220,000	88,251	131,749	40.1%
01-6204-04-00-00	Postage	1,500	286	1,214	19.1%
01-6223-04-00-00	Office Supplies - Admin	4,500	787	3,713	17.5%
01-6224-04-00-00	Office Equipment Admin or IT	1,200	2,907	(1,707)	242.2%
01-6234-04-00-00	Memberships & Trainings	88,000	7,062	80,938	8.0%
01-6239-04-00-00	Travel & Conference	11,000	2,656	8,344	24.1%
01-6241-04-00-00	Education Reimbursement	1,500	904	596	60.3%
01-6310-04-00-00	Miscellaneous	18,000	5,328	12,672	29.6%
01-6311-04-00-00	Mileage	1,236	38	1,198	3.1%
01-6317-04-00-00	Contract Services Misc	5,722	900	4,822	15.7%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	125,761	12,963	112,798	10.3%
01-6601-04-00-00	Shipping/Freight	3,815	1,721	2,094	45.1%
01-6705-04-00-00	Monthly Car Allowance	12,000	2,031	9,969	16.9%
	Total Other Expenses	709,934	156,766	553,168	22.1%
Total Admin Expenses		2,240,674	370,686	1,869,989	16.5%

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended August 31, 2021
(in dollars)

		FY 2021-22 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	100,076	14,985	85,091	15.0%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	51,852	7,764	44,088	15.0%
	Total Salary & Fringe	151,928	22,749	129,179	15.0%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	200	800	20.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	-
01-6224-05-00-00	Office Equipment Admin or IT	600	-	600	-
01-6234-05-00-00	Memberships & Trainings	2,750	-	2,750	-
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	-
01-6300-05-00-00	Software Maintenance Agreements	41,026	3,441	37,585	8.4%
01-6301-05-00-00	Hardware Maintenance Agreements	14,726	-	14,726	-
01-6302-05-00-00	Cloud Subscriptions (Internet)	177,328	11,809	165,519	6.7%
01-6303-05-00-00	Telecommunications	165,582	21,075	144,507	12.7%
01-6305-05-00-00	IT Professional Services	92,400	3,749	88,651	4.1%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	40,985	1,672	39,313	4.1%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	28,968	3,928	25,040	13.6%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	12,515	51,658	19.5%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
01-6312-05-00-00	Computer & Photocopy Supplies	-	409	(409)	-
	Total Other Expenses	639,198	58,798	580,400	9.2%
	Total Expenses before Allocation	791,126	81,547	709,579	10.3%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(791,126)	(81,547)	(709,579)	10.3%
	Total IT Allocations (Out) to PC's & Depts	(791,126)	(81,547)	(709,579)	10.3%

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

**Finance Committee
October 19, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on October 19, 2021 at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Teams Meeting:

DAN FERONS	Santa Margarita Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director [arrived @ 10:33 a.m.]
DENNIS CAFFERTY	El Toro Water District	Alternate Director
PAMELA ARENDS-KING	South Coast Water District	Alternate Director

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
MATT COLLINGS	Moulton Niguel Water District	Director

Staff Participation:

BETTY BURNETT	General Manager
AMBER BAYLOR	Director of Environmental Compliance
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
JEANETTE COTINOLA	Contracts/Procurement Administrator
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

TRACIE STENDER	Procopio Law
KATHRYN FRESHLEY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
JASON HAYDEN	El Toro Water District

1. Call Meeting to Order

Chairman Ferons called the meeting to order at 10:31 a.m.

2. Public Comments

None

3. Approval of Minutes

- Finance Committee Meeting of September 21, 2021

ACTION TAKEN

Motion was made by Director Arends-King and seconded by Director Cafferty to approve Finance Committee Meeting Minutes for August 17, 2021 as submitted.

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 2
Director Ferons	Aye
Director Shissler	Abstain
Director Farias	Absent
Director Cafferty	Aye
Director Collings	Absent
Director Arends-King	Aye

4. Financial Reports for the Month of August 2021

ACTION TAKEN

Motion was made by Director Shissler and seconded by Director Arends-King to recommend to the Board of Directors to ratify the August 31, 2021 disbursements for the period of August 1 through August 31, 2021, totaling \$3,118,837, and to receive and file the August 2021 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
Director Ferons	Aye
Director Shissler	Aye
Director Farias	Absent
Director Cafferty	Aye
Director Collings	Absent
Director Arends-King	Aye

5. Financial Reports for the Month of September 2021

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Arends-King to recommend to the Board of Directors to ratify the September 30, 2021 disbursements for the period of September 1 through September 30, 2021, totaling \$2,474,901, and to receive and file the September 2021 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
Director Ferons	Aye
Director Shissler	Aye
Director Farias	Absent
Director Cafferty	Aye
Director Collings	Absent
Director Arends-King	Aye

6. Draft Use Audit FY 2020-21 Budget vs. Actual including UAL and OPEB Expense Distribution Percentages, and UAL and OPEB Liabilities distribution by Project Committees and Member Agencies

Ms. Mary Carey, Finance Controller gave a presentation on the Preliminary Use Audit Fiscal Year 2020-21 and provided update on the status of the Pun Group work on the audit. Ms. Carey stated the Audit Report, Annual Comprehensive Financial Report and Supplemental Financial Statements and the Use Audit Book will be presented to the Member Agency Finance Officers before presenting to the Finance Committee in November.

This was an information item; no action was taken.

7. Uniform Purchasing Policy and Procedure – Consideration of Policy Revisions

Ms. Burnett, General Manager presented several items for Committee consideration on Agenda Item 7 including a cumulative list of vendors utilized by SOCWA, the current Uniform Purchasing Policy and Procedure and a redraft of Exhibit 2 as was suggested at the prior Committee meeting that the General Manager would prepare. The General Manager summarized the questions for the Committee as two questions: how much spending authority does the Board desire for the General Manager to have, and does the Board want to limit specific vendors for either the Committee or Board to have the opportunity to select? Ms. Burnett explained the manner in which the staff views serial purchasing whereby there is not a serial purchase question if the purchase is in a different timeframe, a different fiscal year for example, or for a different thing being acquired, or for a different facility. Staff does not consider those types of purchases serial even though the purchase may be from the same entity. Ms. Burnett offered to the Committee members to be provided with the same presentation as before the Board at the October 7, 2021 Board meeting.

Director Ferons, Committee Chairman opened the item for Director comments. Director Cafferty commented that there is a need to give clear direction and there are a lot of variables. He noted that he is of the opinion that the Board expects especially contracts that exceed \$50,000 to come back to the board versus those that are contemplated in the budget approval if those are made clear at the time of the budget approval. It comes down to making sure everything is as clear as possible. Director Arends-King commented as to her thought that mentioning a particular area of \$50,000 in spending during the budget process is a good idea. She noted that the area of discretionary versus non-discretionary and then the \$50,000 limit is the area of focus. Director Ferons concurred that the Committee is not looking at necessarily sweeping changes. Discussion ensued as to the redraft of Exhibit 2 provided with some specifics clarified. Ms. Burnett noted it is easiest for staff to understand which kinds of services or types of vendors the Board wants to see, and as to those that, so long as they are in the budget, it is reasonable for the staff to expend \$50,000 or over. Director Ferons commented that he considers some items discretionary such as conferences & training, fleet/truck maintenance, HVAC repairs, if spending is greater than \$50,000 it should be approved by the Board. In contrast, Dr. Ferons views PERS, insurance, taxes, permit fees and board approved long-term contract commitments as non-discretionary. As an example, if a long-term uniform contract is approved by the Board it would not come back for approval, it is a bill, we have to pay it, we don't have a choice in it. Director Arends-King mentioned that SCE would be a non-discretionary example, but she noted some expenditures are confusing such as maintenance contracts where for software commitments that may not be a choice but for other maintenance contracts there could be a choice in the selection. Director Ferons noted that an approval for a three-year contract at \$20,000 per year totals over \$50,000 so it should be brought to the

Board. Ms. Burnett noted that there would be an opportunity to understand that anything we are buying that is a choice to the extent it could be folded into the budget discussion itself so that there is clarity. Director Cafferty commented as to the list of vendors provided by staff that he would be more efficient to review if the list was cut down to those vendors that historically or are likely to exceed the General Manager's authority. He noted that whether its discretionary or nondiscretionary is irrelevant if its not going to exceed the General Manager's authority. As to purchasing from the same vendor over a period of years, Director Cafferty commented that if you're entering into a contract that's over five years but the contract is going to commit you to more than \$50,000 I think that goes to the Board. Ms. Burnett pointed out that on the list provided some vendors are offering best price options as the service they provide; an example is purchasing of laboratory supplies. Staff has the option of selecting among accumulated best price options within one vendor. Director Ferons asked of staff whether the supplied list could be broken out into multiple years in order that the Directors could consider expenditures by fiscal year. Staff indicated that could be done. He noted that for engineering services and consulting services he assumes most of those are brought to the Board. It's the area of professional services that gets more scrutiny than purchasing at Staples. Ms. Burnett noted that based on the comments staff would break the list down further and committed to do that work soon so that the Committee would have the time to review prior to the next meeting. Director Ferons noted there is more work to be done and asked for the item to be on the agenda for the next meeting.

This was an information item; no action was taken.

Adjournment

There being no further business, Director Ferons adjourned the meeting at 11:57 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of October 19, 2021 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Betty Burnett, General Manager/Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

8.L.

Board of Directors Meeting

Meeting Date: February 3, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: General Manager's Status Report

Administration

ACWA & Numerous Agencies Respond to California Fish and Game Commission consideration of listing So Cal Steelhead under Cal Endangered Species Act

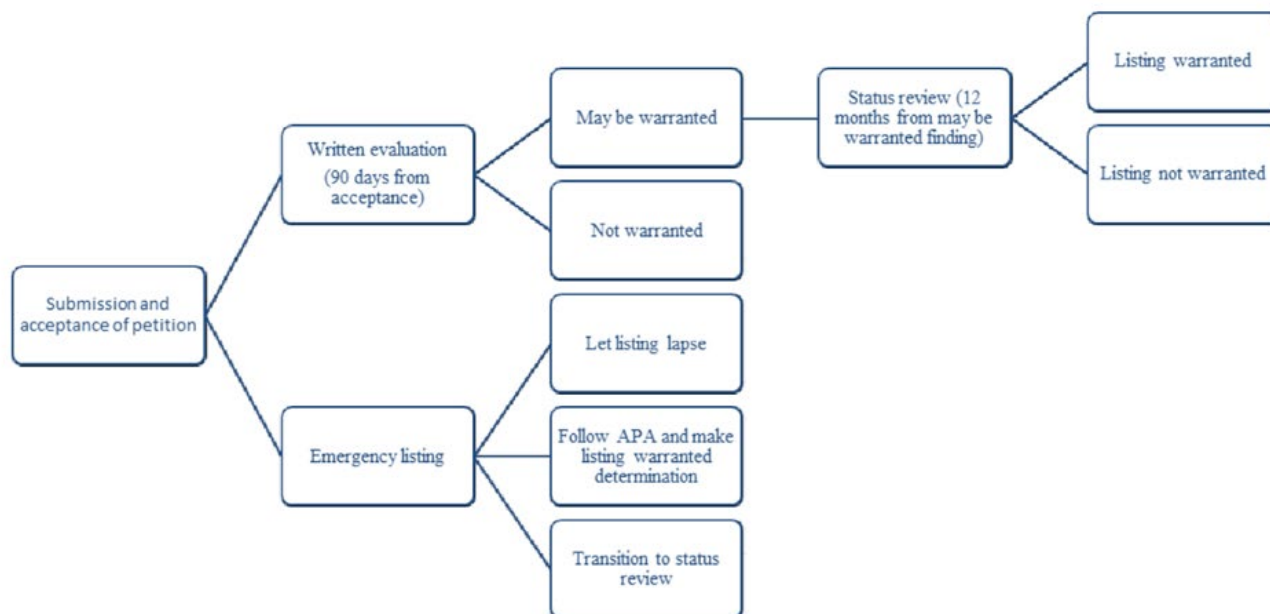
Association of California Water Agencies along with numerous water and water management systems providers are actively commenting on the petition before the F&G Commission to list the Southern California Steelhead as a California Endangered Species. Among the concerns of public water agencies and water management professionals are appropriateness and breadth of species identification, further understanding of the patterns of occurrence of steelhead populations and locations, status as a federally endangered species and work already underway to process projects compliance with current restrictions. ACWA is anticipated to deliver a comment letter to the Commission calling for additional time to evaluate the petition and all available information related to the SoCal Steelhead. An ACWA Policy document on Implementation of State and Federal Endangered Species Acts is attached.

An update of the current concern was provided at the recent CASA Attorneys Committee and shared with SOCWA staff by Mary Lynn Coffee of the Nossaman firm, as follows:

The Commission accepted the Department of Fish & Game 90-day evaluation/petition review report as complete in December 2021. On February 16, 2022, the Commission will take the next step, which is to consider the 90-day evaluation and determine whether a listing "may be warranted." If they find the petition indicates that a listing "may be warranted," then the species becomes a candidate species, and the take prohibition is triggered to protect the species (just as if it were already listed.) In addition, the determination begins a one-year evaluation of the listing by the Department, at the conclusions of which the Commission will consider and make a final listing determination as to whether the species should be finally listed as endangered.

In this situation, somewhat unusually due to the serious impacts that the species management measures will present for water suppliers, several water agencies determined to comment on the department acceptance of the evaluation as complete, and commenting parties suggested it should not be accepted as complete because the Department failed to evaluation all data. Now, ACWA and many agencies are submitting comments on whether the Department should issue a finding that the listing "may be warranted." These comments will argue, among other things, that the evaluation, which is incomplete, does not provide an appropriate level of information to support a finding that the listing "may be warranted."

Here is a flow chart of the rather complex process that may be helpful. We are at the “may be warranted” and “not warranted” boxes.



With respect to timing of comments, Commission practice is that letters submitted at least 13 days prior to a meeting will be made available to the Commission as part of the Commission’s packet prior to the meeting. Therefore, providing a comment letter to the Commission no later than Thursday February 3, 2022, should be sufficient for the Commission to consider your agency’s comments, but the earlier in the day the better, and in any event you definitely want to submit the letter before 5:00 p.m.

Concerns for SOCWA member agencies would be related to water reuse and basin impacts from additional regulation, therefore, agencies should consider whether to comment in support of ACWA.

CSRMA 2021 Annual Report

On January 25, 2022, SOCWA received the California Sanitation Risk Management Authority (CSRMA) Annual Report, see attached. The Authority provides SOCWA with essential insurance coverages for both Workers’ Compensation and General Liability.

The Workers’ Compensation Program provides State mandated benefits to employees of member agencies enabling members to retain control of the cost and delivery of services. The Pooled Liability Program provides CSRMA members with third-party liability coverage specifically designed to meet the exposures faced by the wastewater industry. Members are provided with coverage for General Liability, Automobile Liability, Employment Practices Liability and Public Entity Errors and Omissions Liability

The Annual Report highlights several 2021 accomplishments, including:

- Over \$1.34 million was returned to the members in dividend payments
- Claims frequency continues a downward trend, and remains well below historical averages
- An ad hoc Committee was formed specifically to address the growing industry wide concern on Employment Practices Liability related incidents and develop strategies to help CSRMA membership better manage them

Legal Services Fee Increases

Varner Brandt has provided notice that legal services rates will go up from \$520 per hour to \$550 per hour beginning January 1, 2022.

Procopio has provided notice that legal services rates will go up by 3% for the blended rate from \$345 per hour to \$355 per hour for the first 25 hours of service, with the rate remaining substantially below the firm's standard rates. The rate is now \$380 per hour for an additional up to 50 hours of service and \$400 per hour for subsequent work in a month period.

Upcoming Meeting Schedule Revisions

Board Members and Agency Staff please note for your calendars that the next SOCWA Finance Committee meeting will be held on February 15, 2022.

The next SOCWA Engineering Committee meeting is set for February 10, 2022.

Environmental Compliance

NPDES Permit Fees

SOCWA received permit fees for the San Juan Creek and Aliso Creek Ocean Outfall higher than budgeted for FY21-22. SOCWA staff previously reported in the November 2021 SOCWA General Manager's report that there would be an increase in water quality fees. SOCWA staff budgeted \$228,970 for PC5 permit fees and \$216,921 for PC24. The cost for the PC5 permit fees for this fiscal year were paid totaling \$233,879 while PC24 costs were paid totaling \$219,346. Staff will be utilizing the increased water quality fee percentages in the FY22-23 budget.

SMWD Water Quality and Treatment Committee

SOCWA staff provided an update to Santa Margarita Water District's Water Quality and Treatment Committee on January 18, 2022. The update included government actions and associated developing science related to policies addressing nutrients and ocean acidification. The information provided can be found on the SMWD website at:

https://santamargaritawaterdistrictca.iqm2.com/Citizens/Detail_Meeting.aspx?ID=1553

Engineering

Lystek International Newsletter

SOCWA has received the Lystek International Newsletter that highlights the progress of the company in advancing biosolids management, see attached. Lystek was one of the companies responding with interest in serving SOCWA for our Biosolids Innovation project. The new facility updates note the growth in service to wastewater agencies including success in reuse and biosolids volume reduction projects.

Operations

JBL Digester Cleaning Project Update

The O&M staff recently completed a Digester cleaning project at JBL. A total of 480 tons of debris was removed from Digester #1. This equates to about 25 semi-truck trailers. Below are photos of the O&M staff working to remove the material removed from Digester #1 that was placed in Primary Basin #1 for decanting and drying prior to disposal.





December 2021 Storm Damage Update

A series of large storms damaged several items at the Treatment Plants in December 2021. The strong winds knocked over several trees damaging a methane gas line at RTP, and pushing over a fence at JBL. Wind-driven rain also damaged a critical flow meter at RTP, temporarily shutting down AWT operations. Below are some photos of the storm damage.

RTP Storm Damage



JBL New Digester Manway Installation O&M Project Update

The Installation of new manways on Digesters at JBL is progressing. The first new manway is in place, and the grout is curing at the time this report was written. Below are some photos from the ongoing project.



IMPLEMENTATION OF STATE AND FEDERAL ENDANGERED SPECIES ACTS ACWA POLICY PRINCIPLES

Preamble

The federal and state Endangered Species Acts (ESA) are among the most powerful pieces of legislation ever enacted to manage the natural resources of California and the nation. Depending upon how these acts are implemented, they can both generate significant benefits and create substantial economic harm. There are a number of examples of successful implementation of ESA in California. (See sidebar, "Where Has ESA Worked?") The ACWA Blueprint identifies modernization of ESA to improve its implementation as a high priority for California water management.¹ In particular, the application of these laws in the San Francisco-San Joaquin River Delta has not been as successful. Restrictions on water diversions imposed through the biological opinions have exacerbated the economic impacts of the recent drought, without a corresponding improvement to the ecosystem. (See sidebar, "ESA and Delta Water Supply Reliability.")



ACWA believes the current situation in the Delta provides a significant opportunity to improve the implementation of the ESA. The principles set forth below outline a more effective approach to ESA implementation that incorporates the co-equal goals of water supply reliability and ecosystem enhancement that are the basis of California law. ACWA urges senior management at the ESA implementing resource agencies, with Cabinet-level concurrence, to use these principles to implement a more integrated and diversified approach. Without a fundamental change in implementation strategy, it will be impossible to satisfy the demands required by the ESA while also effectively meeting the needs of California's families, farms, businesses and communities.

ACWA fully supports the underlying goals of the state and federal ESAs to avoid the extinction of listed species and ultimately ensure species recovery so that a listing is no longer warranted. However, it is critical to recognize that the primary purpose of the ESA, as expressed in the federal statute, is to "provide the means whereby ecosystems upon which endangered species and threatened species depend may be conserved, [and] to provide a program for the conservation of such endangered species and threatened species..." 16 U.S.C.A. 1531(b). The remarkable aspect of this

¹*No Time to Waste: A Blueprint for California's Water*. ACWA publication, May 2005. Pages 29-30. The Blueprint encourages "increased habitat-focused species protections through more proactive, collaborative, and incentive-based management agreements with property owners and resource managers."

Where has ESA Worked?

The ESA has, in fact, been successfully implemented in a variety of circumstances in California. On the North Coast, the Humboldt Bay Municipal Water District recently completed a Habitat Conservation Plan (HCP) that provides 50 years of regulatory certainty for its operations while recovery efforts for salmon and steelhead species are implemented in the Mad River. In the Mokelumne River watershed, East Bay Municipal Utility District has similarly completed a 30-year HCP for terrestrial species that provides operational flexibility and management certainty for its 56,000-acre watershed. In Southern California, water agencies and developers, in cooperation with counties, environmental groups, and others, have implemented long-term HCPs for terrestrial species that have facilitated the construction of major water infrastructure, such as Diamond Valley Lake, and allowed major development projects to proceed in Riverside, Orange, and San Diego Counties.

What do these successes have in common? First, all of them were completed as HCPs, which by their nature require a collaborative approach that embraces the concept of “co-equal goals.” Second, these successes embraced a comprehensive approach, focusing on multiple species and using multiple management tools as appropriate. Third, all were supported by a strong commitment to provide the resources necessary to assure both long-term economic and ecosystem success. The challenge is to replicate this successful approach in non-HCP applications of the ESA.

“ACWA fully supports the underlying goals of the state and federal ESAs to avoid the extinction of listed species and ultimately ensure species recovery so that a listing is no longer warranted.”

statement is that Congress recognized conservation of ecosystems is the first purpose of the ESA, even before conserving endangered and threatened species themselves.

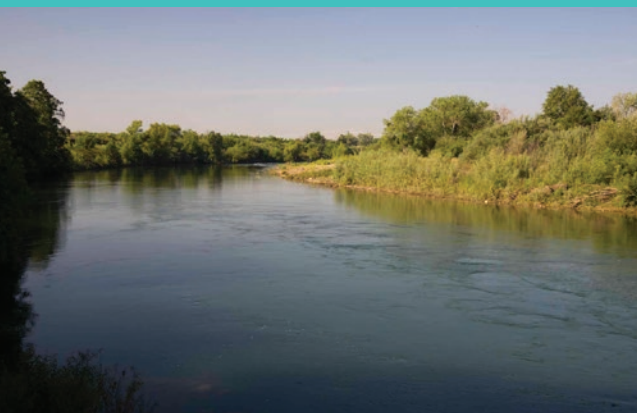
As the federal and state ESAs are currently administered, the responsible agencies primarily focus their limited resources on single-species approaches and a single action (or set of related actions), as opposed to a comprehensive assessment of all the factors affecting species viability. For example under the federal ESA, the responsible agency limits its consultation to individual federal actions under section 7 of the ESA. The result is narrowly constructed biological opinions, mitigation measures, and, in the case of the federal ESA, often extremely restrictive reasonable and prudent alternatives (RPAs) that may not even be addressing the underlying causes of ecosystem and species declines.

ACWA believes that the agencies have greater discretion to develop comprehensive strategies that also consider economic and social stability. (See sidebar, “Are the Co-Equal Goals Inconsistent with ESA?”) We believe such strategies are more likely to ensure that the agencies achieve statutory obligations in both the near and long term, especially if they encourage voluntary participation in solution development and implementation, which is more likely to result in additional resources voluntarily allocated to species protection and restoration. Such an approach will not impede adequate protections for the listed species in the near term, and in fact could enhance effectiveness.

Too few resources are dedicated to analyzing and developing comprehensive and well-coordinated strategies that conserve the ecosystems upon which threatened and endangered species depend. To the contrary, the current approach taken by the agencies fails to: (1) incorporate an evaluation of all the potentially significant stressors to the species and its habitat; (2) prioritize actions to address those factors in a comprehensive manner; and (3) enact an implementation plan that coordinates conservation efforts with other state, federal and local agencies, and private and non-governmental organizations. For example, with respect to application of the ESA to the water export projects, the current approach of trying to protect aquatic species through a single action only – restricting water diversions from the south Delta – **is not working for either ecosystem sustainability or water supply reliability.**²

Whether dealing with ecosystem management in the Delta or elsewhere, ACWA calls upon state and federal agencies to adopt a comprehensive, ecosystem-based approach. This will require the agencies to work in a more coordinated manner to address multiple species of concern while utilizing more diverse management tools. We believe this approach will better achieve the goals of the ESA in a more efficient, effective and economic manner.

² The recent decision by the federal agencies to consolidate the Delta smelt and salmon biological opinions is a step in the right direction. See letter from Secretary of the Interior Ken Salazar and Secretary of Commerce Gary Locke to Nancy Sutley, Chair of the Council on Environmental Quality. May 3, 2010.



ACWA Policy Principles for ESA Implementation

Principle 1: Comprehensive, Integrated Solutions

Federal and state agencies' implementation of the ESAs, whether listing species, designating critical habitat or developing biological opinions, should focus on comprehensive, integrated solutions that address all the factors that are or have the potential to adversely affect the viability of endangered or threatened species. Furthermore, the agencies need to promote proactive programs that embrace a comprehensive, ecosystem-based integrative methodology, as opposed to the single-species approach that characterizes current ESA implementation.

Principle 2: Co-Equal Goals

It is critical that the agencies recognize that strategies incorporating the co-equal goals of sustainable ecosystems and a reliable water supply throughout the state have the greatest likelihood for success because they provide stability and certainty, allowing a larger commitment of resources to innovative problem solving.

Principle 3: Real-Time Solutions

It is essential that the agencies enhance their capacity to utilize real-time data and scientific analysis to address both immediate and long-term solutions. Such approaches can reduce conflicts that result from competing demands for the same resources, providing greater flexibility for resource distribution that can enhance both ecosystem sustainability and water supply reliability.

Principle 4: Science

The agencies must develop and use science that adheres to the highest academic and professional standards to justify their biological conclusions and subsequent management recommendations. While we recognize "best available science" may be limited when decisions are made, the agencies must commit to processes that promote ongoing data gathering and scientific analysis combined with the ability to readily modify management practices when such scientific analysis justifies modification.

Principle 5: Adaptive Management

Adaptive management strategies recognize that often there is a need to implement actions with incomplete or imperfect information. While uncertainty should not be cause for inaction, it is vitally important to establish achievable quantified goals and track progress, increasing investments where they appear to have higher returns and reducing investments where they do not pay off. In addition, when there is credible debate about the methodologies used and conclusions reached by the agencies in developing RPAs and other actions, an adaptive management approach should be

ESA and Delta Water Supply Reliability

During 2010, California experienced statewide precipitation of 115% of normal with a snow pack of nearly 150% of normal, yet final allocations of water supplies to water contractors that rely on water conveyed across the Delta are at "drought-like" levels of only 50%. This fact is telling and a clear indication that "the system is broken." DWR estimates that operational restrictions due to the ESA since 2007 have reduced contract deliveries to federal and state contractors by about 30% beyond the level natural hydrological conditions would have provided, with larger impacts in wetter years. To make matters worse, the water management tools developed in the 1990s to bolster dry-year supplies – south-of-Delta storage and voluntary water markets – are not working due to the same ESA restrictions that severely reduced the ability to move water through the Delta.

Even in a relatively wet year, it is extremely difficult to put water into storage (surface and groundwater) for protection against future drought years. Moreover, the capacity to move water from voluntary sellers upstream of the Delta to buyers downstream of the Delta has been reduced by approximately 40%. Water conveyed through the Delta supplies drinking water to more than 22 million Californians, irrigation to produce over 45% of the fruits and vegetables consumed in the U.S., and supports over \$500 billion of the California economy. The current water supply situation is not economically sustainable for the large part of California's economy that receives a significant portion of its water supply from water conveyed through the Delta.

"The current approach of trying to protect aquatic species through a single action only - restricting water diversions from the south Delta - is not working for either ecosystem sustainability or water supply reliability."



Are the Co-Equal Goals Inconsistent with ESA?

The short answer is “no.” There is nothing in the ESA that prevents implementation approaches that seek to promote the goal of water supply reliability. California law now requires that we manage water resources in a manner to accomplish the co-equal goals of “providing a more reliable water supply for California and protecting, restoring, and enhancing the Delta ecosystem.” In recent federal court decisions regarding the Delta smelt and salmon biological opinions, Judge Oliver Wanger ruled that the ESA implementing agencies have a “responsibility to consider alternative remedies . . . that would not only protect the species, but would also minimize the adverse impacts on humans and the human environment.”¹ Even such prominent conservationists as former Secretary of the Interior Bruce Babbitt² and Michael J. Bean of the Environmental Defense Fund³ have in the past articulated strong support for ESA implementation approaches that embody the spirit of the co-equal goals. The fact is when regulators seek solutions that provide both environmental and economic benefits – as in the HCP examples described elsewhere – ESA implementation is universally better.

¹ *Findings of Fact and Conclusions of Law RE: Plaintiffs’ Request for Preliminary Injunction Consolidated Salmon Cases*, No. 1:09-cv-1053 (E.D. Cal. May 18, 2010); *Consolidated Smelt Cases*, No. 1:09-cv-00407 (E.D. Cal. May 27, 2010).

² *Stevens, Interior Secretary Is Pushing A New Way to Save Species*, *New York Times*, February 17, 1993.

³ *The Endangered Species Recovery Act of 1997: Hearings on S. 1180 Before the Senate Committee on Environment and Public Works*, 105th Cong., 1st Sess. 97-99 (1997) (statement of Michael J. Bean, on the behalf of the Center for Marine Conservation, Environmental Defense Fund, and World Wildlife Fund)

incorporated into the implementation process associated with the actions to ensure that new science and technology is integrated into on-the-ground practices.

Principle 6: Managing Within Highly Altered Ecosystems

Science-based implementation strategies must reflect the fact that we are pursuing species recovery within highly altered ecosystems. This is generally the case in California’s rivers and watersheds, particularly in the Delta. The Delta has been dramatically altered over the past two centuries as water ways were dredged and realigned, wetlands were converted to farmland, minerals were mined and timber harvested, and water and other infrastructure was constructed. While the co-equal goals seek substantial and sustainable improvements for the ecosystem, in most cases, it is simply not possible or desirable to restore ecosystems to their historical natural state.

Principle 7: Accounting for Climate Change

The ESA never anticipated environmental regime changes of the magnitude we are likely to experience as a consequence of climate change. Climate change is already reshaping California’s hydrology, and these changes are expected to intensify in coming decades. Without developing and adopting more flexible approaches to the administration of the ESA, these dynamic changes to ecosystems will make the existing statutory mandates of the act highly impractical or impossible to implement.

ACWA urges the responsible federal and state agencies to assess their implementation of the ESA in the context of climate change. ESA implementing agencies should ensure that water resource managers have the necessary flexibility and discretion to respond to regulatory mandates in a manner that is achievable and practical, given the magnitude of changes attributable to climate change.

While the changes associated with climate change present great uncertainty, they also serve as a reminder that the planet’s ecosystems are not static, but are constantly changing over time. Measures taken to protect endangered species should be implemented in a manner that reflects and accounts for these ecosystem dynamics.

Principle 8: Flexible Implementation

The agencies should recognize that the ESA provides them with significant discretion to develop and implement strategic options to improve a species’ viability. This flexibility and discretion should be utilized as a first principle rather than as a last resort in the face of legal or other challenges. Given often-limited available data and/or uncertain scientific analysis, as well as the range of temporal, geographic and demographic variability of species and the ecosystem(s) on which they depend, the agencies should promote local and regional strategies that can address such variability most efficiently and effectively.





2021 Annual Report

California Sanitation Risk Management Authority

President's Message

Dear Members and Friends of CSRMA:

In 2021 CSRMA quietly celebrated its 35th Anniversary! Since 1986 we have continuously provided excellent coverage and comprehensive risk management services to our members. I am proud of the resiliency shown by the organization and by our membership over the past two very challenging years. As we emerge from the pandemic, we are seeing this resilience evolve into a more nimble CSRMA. The investments made in technology have given us the ability to pivot and adapt to an increased demand for virtual meetings, remote training and online services. However, I must say that it was wonderful to actually see and visit with so many friends and colleagues at the CASA Conference this past August. This fellowship is an important part of CSRMA and we are actively planning for more in-person meetings and conference events in 2022. Understanding of course, that the technological advances we've made will provide continuing opportunities to connect with one another over a variety of platforms.

Unfortunately, our industry continues to be affected by severely impacted global and regional insurance markets. However, it is in these times that we are especially reminded of the benefits of pooling and why CSRMA was formed 35 years ago by the 14 founding member agencies. With this philosophy in mind, CSRMA implemented a new "pooled layer" in the Property Program this year, as a measure to proactively address the challenging property insurance market. Going forward, we will all benefit from a collective focus on risk control and loss minimization within all of CSRMA's coverage areas. Finally, in 2021 we welcomed our newest member, Nevada County Sanitation District #1, and now stand together at 59 members strong!

I look forward to a safe and successful 2022, and hope to see you in person sometime soon.



Craig Murray
CSRMA President



Executive Board and Officers

Craig Murray, President
Carpinteria Sanitary District

Sandeep Karkal, Vice President
Novato Sanitary District

Jason Warner, Treasurer
Oro Loma Sanitary District

George Emerson, Secretary
Goleta Sanitary District

Melissa Morton
Vallejo Flood & Wastewater District

Roland Williams
Castro Valley Sanitary District

Michelle Gallardo
Dublin San Ramon Services District

Betty Burnett
South Orange County
Wastewater Authority

Steve Wagner
Goleta Sanitary District

Teresa Herrera, Alternate
Silicon Valley Clean Water

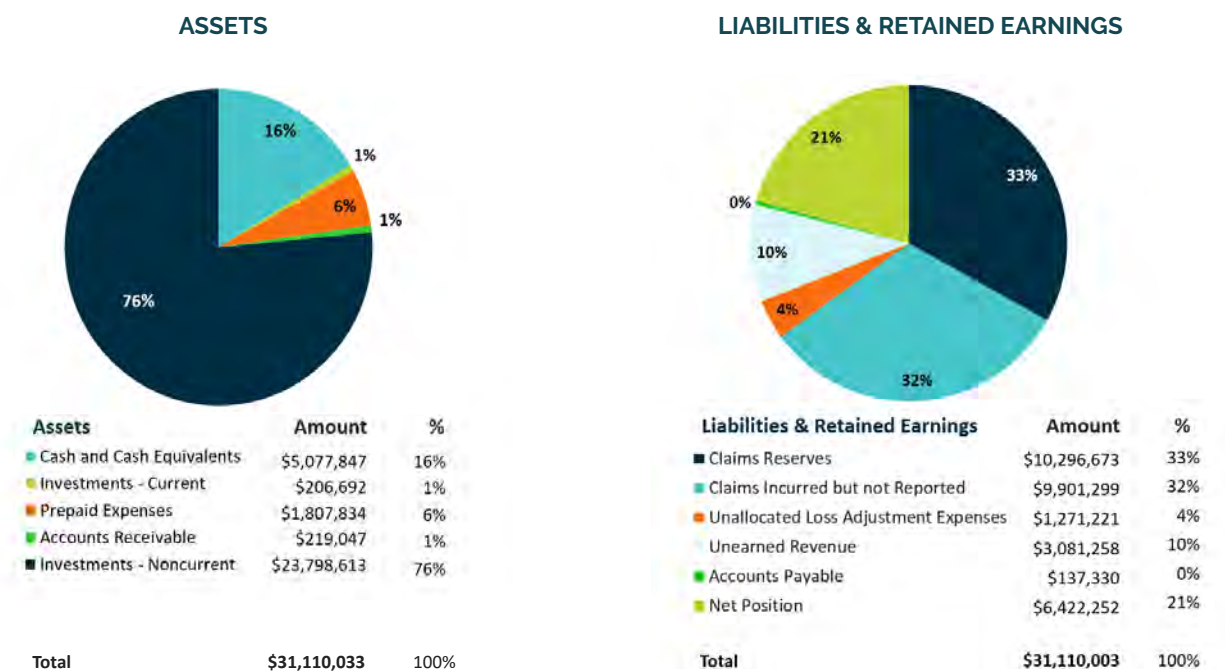
Financial Summary

The CSRMA Joint Powers Authority keeps its financial records in accordance with Government Accounting Standards Board (GASB) recommendations and produces an annual comprehensive financial report each year. The financial data represented in this report is as of June 30, 2021.

CSRMA has been awarded the Government Finance Officers Association's Certificate of Excellence in Financial Reporting for its ACFR annually since 2010.

Investments are governed by a Board-approved policy and procedure. Cash beyond short-term needs is invested with California's Local Agency Investment Fund, the California Asset Management Program and Public Financial Management (PFM) Portfolios.

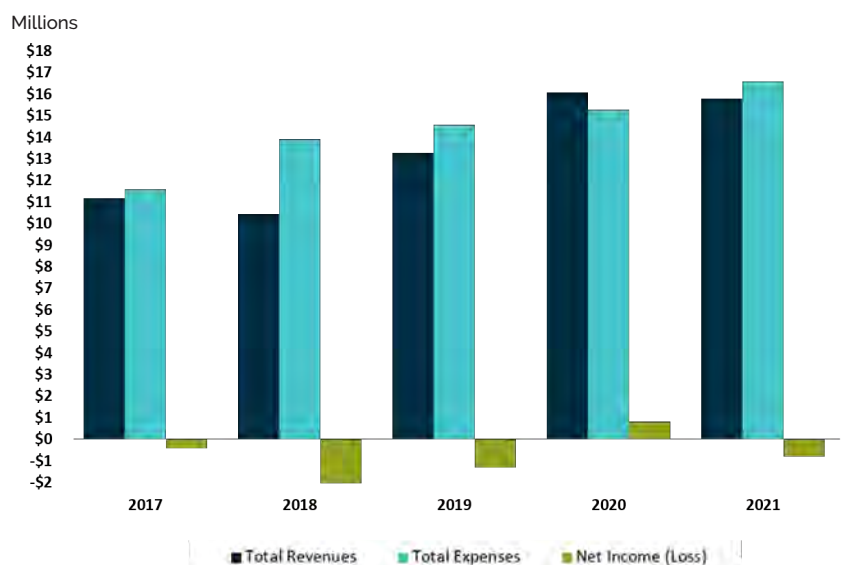
Summary Balance



Income Statement

Revenues	
Member Contributions	14,377,165
Interest Income	-46,543
Other	1,462,819
Total Revenues	15,793,441
Expenses	
Claims Incurred	5,669,092
Other Expenses	10,915,168
Total Operating Expenses	16,584,260
Retrospective Contribution	79,590
Total Expenses	16,584,260
Net Income (Loss)	-790,819

Financial Position



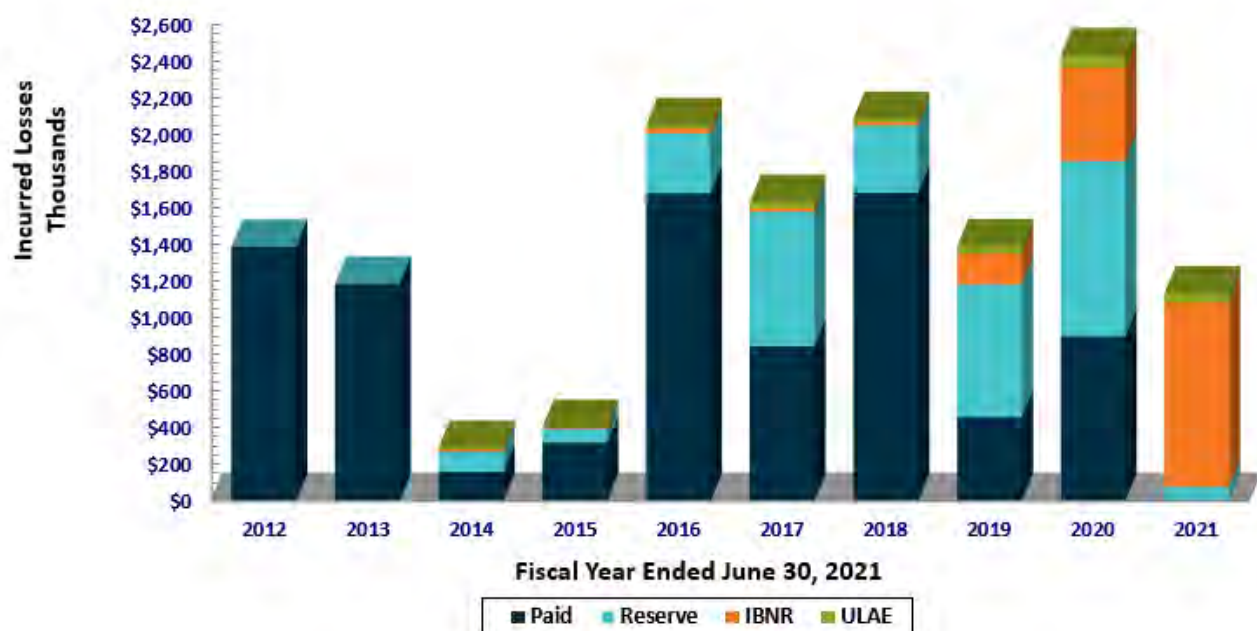
Shared Risk Programs

CSRMA Members can choose to participate in the JPA's "pooling" programs: The Pooled Liability Program and the Workers' Compensation Program.

These programs are an alternative to traditional commercial insurance, in that they are member owned and operated. Interest earning funds are placed on deposit with the Authority where they are used to pay members' claims and related expenses. Funds not spent or reserved are refunded to members through retrospective rating adjustments and dividend payments.

Pooled Liability Program

The Pooled Liability Program provides its members with third-party liability coverage specifically designed to meet the exposures faced by the wastewater industry. Members are provided with coverage for General Liability, Automobile Liability, Employment Practices Liability and Public Entity Errors and Omissions Liability.

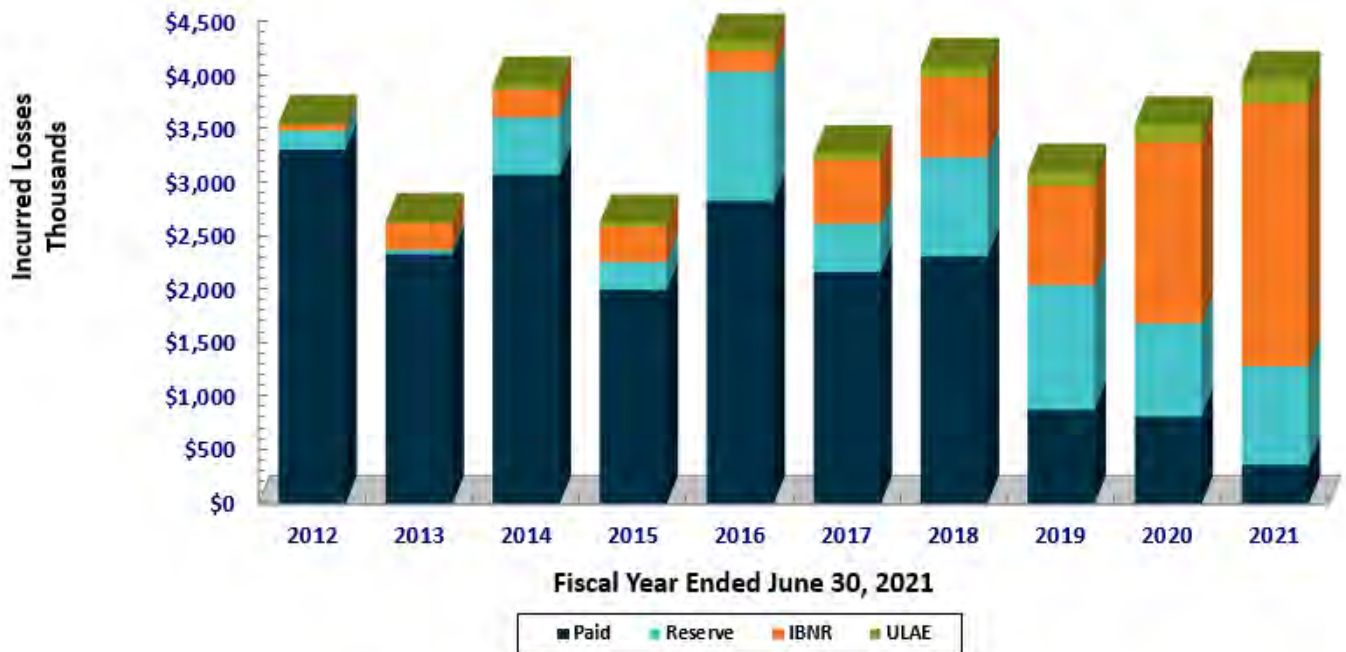


2021 Accomplishments

- » Over \$1.34 million was returned to the members in dividend payments
- » Claims frequency continues on a downward trend, and remains well below historical averages
- » An ad hoc Committee was formed specifically to address the growing industry wide concern on Employment Practices Liability related incidents and develop strategies to help CSRMA membership better manage them

Pooled Workers' Compensation Program

The Workers' Compensation Program provides State mandated benefits to employees of member agencies. The Program enables its members to retain control of the cost and delivery of services to participating members.



2021 Accomplishments

- » The Program's claims frequency continues to be below historical averages
- » A claims audit was performed this year. The claims adjusting firm, Sedgwick, continues to provide effective claims administration for the Authority.
- » CSRMA members continued to utilize the COVID-19 Resource Center, with information they needed to keep their essential workers safe

CSRMA created the COVID-19 Resource Center to give members the information they needed to keep their essential workers safe

Group Purchase Programs

CSRMA Group Purchase Programs provide members the benefit of buying power while assuring that special needs will be addressed.

Primary Insurance Program (PIP)

The PIP provides the clout of a group purchase program, offering competitive pricing to its members. The Program continues to afford coverage for General Liability, Automobile Liability, Employment Practices Liability, Public Entity Errors & Omissions and Auto Physical Damage to members that do not wish to pool their risk with other members.



Property Insurance Program

The Property Program provides the benefit of a group purchase program offering its members "All-Risk" Property and Boiler & Machinery insurance. This includes Terrorism, Pollution Legal Liability specific to a member's SOV, and Cyber Liability. In 2021 a new Pooled Layer was implemented in an effort to reduce some of the year-to-year market volatility.

Other Programs

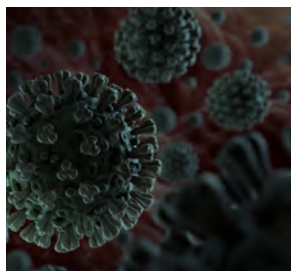
CSRMA members have access to an array of group purchase programs made available by the Program Administrators, including but not limited to:

- » **Crime/Bond Programs:** The Commercial Crime Program affords its members with public employee dishonesty coverage. Additional coverages available include forgery or alteration, theft, disappearance and destruction of money and securities and computer fraud. The Public Official Bond Program provides its members with coverage for dishonest acts of public officials.
- » **Cyber Liability:** Provides third-party coverage for information security & privacy liability, privacy notification costs, regulatory defense and website media content liability. First-party coverage is provided for cyber extortion, data protection & business interruption loss.
- » **Public Entity Vehicle & Mobile Equipment Physical Damage Program:** This Program provides "All-Risk" property (physical damage) coverage for private passenger vehicles, light trucks and high value specialized vehicles with limited "over-the-road" exposures.
- » **Special Events Liability Program:** The Special Events Liability Program grants its members with protection against third-party liability for bodily injury, personal/advertising injury and property damage resulting from a covered special event. Special events include receptions, tours and parties.
- » **Pollution and Remediation Legal Liability Program:** The Pollution and Remediation Legal Liability Program provides coverage for environmental exposures unique to the wastewater industry.
- » **Storage Tank Program:** The Storage Tank Program furnishes its members with third party pollution legal liability and clean-up for above and below ground storage tank exposures.
- » **Travel Accident Program:** Travel Accident Insurance provides coverage for employees who travel domestically and internationally. Some of the benefits include 24/7 travel assistance, medical network, and emergency evacuation and repatriation expense.
- » **Vendors/Contractors General Liability Program:** The Vendors/Contractors General Liability Program furnishes general liability coverage for a wide range of vendors and contractors.
- » **Deadly Weapons Response Program:** Provides third-party liability, first-party property damage, business interruption & crisis management for deadly weapon events.

Risk Control Services

CSRMA continued its tradition of providing leading edge risk control services for its members this year by introducing many new products and services tailored to the unique loss exposures facing CSRMA.

COVID-19 Resource Center



As the pandemic continued in 2021, so did CSRMA's robust efforts to inform our members with accurate and reliable information to keep their employees safe and in compliance with CalOSHA, Centers for Disease Control

and CA Department of Health requirements and guidance. The CSRMA COVID-19 Resource Center, a clearinghouse for reliable information related to the pandemic created in May 2020, was continually updated and distributed to the membership.

As CalOSHA issued the emergency temporary standard in November 2020 and revised it in June 2021, CSRMA continued to assist members with compliance through negotiating deep discounts on the development of COVID-19 Employee Exposure Plans and companion online interactive training modules for interested members. Additionally, CSRMA provided several webinars, many with the labor law experts at Liebert Cassidy Whitmore, to help members understand the regulatory requirements and the implications it has on labor law issues.

CSRMA remains committed to providing members with accurate and current information related to the pandemic as we enter 2022.

Vector Solutions (FKA Target Solutions)

CSRMA updated 15 online training modules and added ten new modules to their existing library of over 100 online learning courses. These can now be viewed on Vector Solutions in addition to the large library of courses already available. Updating modules and creation of new content addressing risks facing members and the pool has been an annual commitment CSRMA has made for 16 years!

Occumetric

Don Freeman and the Occumetric name are no strangers to CSRMA members. They have been providing state-of-the-art ergonomic services to members for several years. Occumetric worked with ten members this year to use their Physical Demand Assessment software to identify tasks that put employees at risk of back injury so that prevention or task redesign measures can be taken.

Risk Control Online

CSRMA's Risk Control Online platform has been transformed into the hub for all of CSRMA's online risk control services and web applications, including the Contractor Safety Program Builder, the Job Competencies Builder, Employment Law Resources Hub and more! On deck this year is a complete overhaul of the platform, originally designed in the early 2000's, to increase security, functionality, content and enhance the member experience.

Risk Control Seminars and Webinars

CSRMA is committed to providing effective training for the membership. To that end, CSRMA conducts a member survey each fall asking members for feedback regarding CSRMA training efforts. Members responded with overwhelming satisfaction and provided great insight into the training formats that work best, as well as ideas on training topics important to them. This feedback has helped shape CSRMA's training schedule now and going forward.

Due to the pandemic, CSRMA kept its webinar frequency elevated and conducted over 40 live webinars. Most were recorded for members to access on-demand.

Risk Control and Safety Program Reimbursement Incentive

CSRMA's two reimbursement programs - \$2,000 annually for safety and risk control efforts for members who participate in both the Pooled Liability and Workers' Compensation Programs and \$1,200 annually for employee health promotion efforts for members of the Workers' Compensation Program reached more than 90% of the pooled program members!

Workers' Compensation Consulting Services

CSRMA continued to benefit from the services of Heather Truro at HT Consulting. She is a workers' compensation claims management specialist who has been retained by CSRMA to provide assistance to our members with workers' compensation issues; in particular, by implementing the Workers' Compensation Claims Management and Return to Work Programs.

Sewer and Stormwater Summit 2021

Partnering and cost sharing with two other public entity risk pools, the 2021 Summit was held as a virtual conference again in 2021 and more members were able to attend, many for the first time, than ever before in the Summit's 16-year history. The virtual Summit stayed true to its historical format of offering attendees four tracks with 5 sessions each for a total of 20 different 1-hour classes on topics ranging from Regulatory Compliance and Engineering, Collections Worker Safety, Operations and Management and Storm Water Compliance. All the sessions were recorded and are available to members until Spring 2022 on the virtual conference platform. After that, the 20 sessions will be moved to the Webinar Library section on Risk Control Online.

CSRMA Workers' Compensation Excellence Award

CSRMA is pleased to announce the winners of the Workers' Compensation Excellence Award! This award program is designed to recognize those members who have successfully implemented soft tissue/strain related injury prevention efforts.

Members meeting the award criteria shared equally in a cash prize of \$50,000, or the average cost of a back claim according to Workers' Compensation Insurance Rating Bureau data. The cash prize will be paid directly to the employees of each qualifying member in an amount not to exceed \$499 per employee.

2021 Workers' Compensation Excellence Award Winners

- » Sewer Authority
Mid-Coastside
- » Lake Arrowhead CSD
- » Castro Valley SD
- » South Orange County
Wastewater Authority
- » Stege SD

SMART SOP

SMART SOP, the mobile app CSRMA created for its members to make creating photo-based lockout/tagout and free form photo and video-based SOP's, is being leveraged this fiscal year to serve up the following applets for member employees:

- » What to do following a mainline sewer backup impacting private property?
- » What to do following a vehicle accident?
- » Is this a Permit Required confined space?
- » Fall Harness Inspection and Adjustment SOP
- » Excavation Competent Person Daily Inspection Procedures

Employment Law Training

While not very frequent, employment law claims are among the most expensive type of claim CSRMA experiences. CSRMA provided ten virtual seminars on labor law issues most commonly resulting in employment law claims. Provided virtually, members from across the State are able to attend and, for those members unable to attend the live session, are able to view a recording of each for two months following the event.

What the Future Holds

We have all learned many things from the pandemic, one of which is that remote learning, whether it's webinars, online seminars or self-directed interactive online courses, is an effective way to deliver training to the membership. CSRMA was able to train more member employees in 2020 and 2021 than ever before, and at a lower per-person cost than ever imagined. In 2022, we will build on this success with even more CSRMA-developed online course content and live virtual seminars and webinars.

In 2022, CSRMA will continue its focus on preventing soft tissue workers' compensation claims, which is CSRMA's leading cause of lost time claims. In 2021, CSRMA provided 10 members with remote physical demand assessments to identify tasks that put employees at risk of injury. 2022 will see that effort repeated, training members on how to use CSRMA Physical Demand Assessment web application along the way. This amazing tool tells members exactly which tasks their employees perform that are putting them at risk of this type of injury, allowing the member to intervene before an injury occurs.

Sewer backups impacting private property continue to be CSRMA's leading liability claim. We will maintain the drive to reduce the frequency of these claims through focused training on collection system operations and maintenance from industry experts and partnering with other pools and private vendors to deliver more training opportunities at a reduced cost.

The cost for harassment, discrimination and other forms of employment liability have been increasing dramatically across all industries and CSRMA is responding. Leveraging the effectiveness of online remote learning, CSRMA has engaged Liebert Cassidy Whitmore to provide ten online seminars on employment law topics that reflect common causes of employment related lawsuits. CSRMA will continue to provide employment law hotline services and other resources for members to help navigate this area of liability in 2022.

2020 and 2021 were difficult years on many fronts, not the least of which was navigating the daily flood of information on COVID-19 transmission and prevention practices. This in addition to understanding all the new laws and regulations California enacted on everything from workplace pandemic safety, regulatory reporting of cases and several areas of employment law. CSRMA kept members informed of these changes, relaying credible information and providing timely, easily understandable translations of what these new laws and regulations meant for the members. Members can continue to count on CSRMA to organize the never ending tidal wave of information for its members through continual updates of the CSRMA COVID-19 Resources Guide, email alerts on safety and regulatory changes, webinars and articles in the monthly CSRMA "Did You Know" e-newsletter. In 2022, CSRMA will continue to be the trustworthy source of information and best practices to help members navigate the pandemic.

Member Agencies

Bayshore Sanitary District	Leucadia Wastewater District	Selma-Kingsburg-Fowler County Sanitation District
Byron Sanitary District	Montara Water and Sanitary	Sewer Authority Mid-Coastside
Carmel Area Wastewater	Montecito Sanitary District	Sewerage Agency Of Southern Marin
Carpinteria Sanitary District	Monterey One Water	Silicon Valley Clean Water
Castro Valley Sanitary District	Mt. View Sanitary District	South Orange County Wastewater Authority
Central Marin Sanitation	Napa Sanitation District	Stege Sanitary District
County Sanitation District No. 2-3 of Santa Clara County	Nevada County Sanitation District #1	Tahoe-Truckee Sanitation Agency
Crockett Community Services District	North of River Sanitary	Triunfo Water & Sanitation District
Cupertino Sanitary District	Novato Sanitary District	Truckee Sanitary District
Delta Diablo	Oceana Marin Sewer Imp. District	Union Sanitary District
Dublin San Ramon Services District	Ojai Valley Sanitary District	Vallejo Flood and Wastewater District
East Bay Dischargers Authority	Oro Loma Sanitary District	Valley Sanitary District
Encina Wastewater Authority	Richardson Bay Sanitary District	Ventura Regional Sanitation District
Fairfield-Suisun Sewer District	Rodeo Sanitary District	Victor Valley Wastewater Reclamation Authority
Goleta Sanitary District	Ross Valley Sanitary District	West Bay Sanitary District
Goleta West Sanitary District	San Elijo Joint Powers Authority	West County Wastewater District
Inland Empire Utilities Agency	San Rafael Sanitation District	West Valley Sanitary District
Ironhouse Sanitary District	Sanitary District No. 5 of Marin County	Western Riverside County Regional Wastewater Authority
Lake Arrowhead Community	Santa Margarita Water District	
Las Gallinas Valley Sanitary	Sausalito-Marin City Sanitary District	

CSRMA Program Administrators

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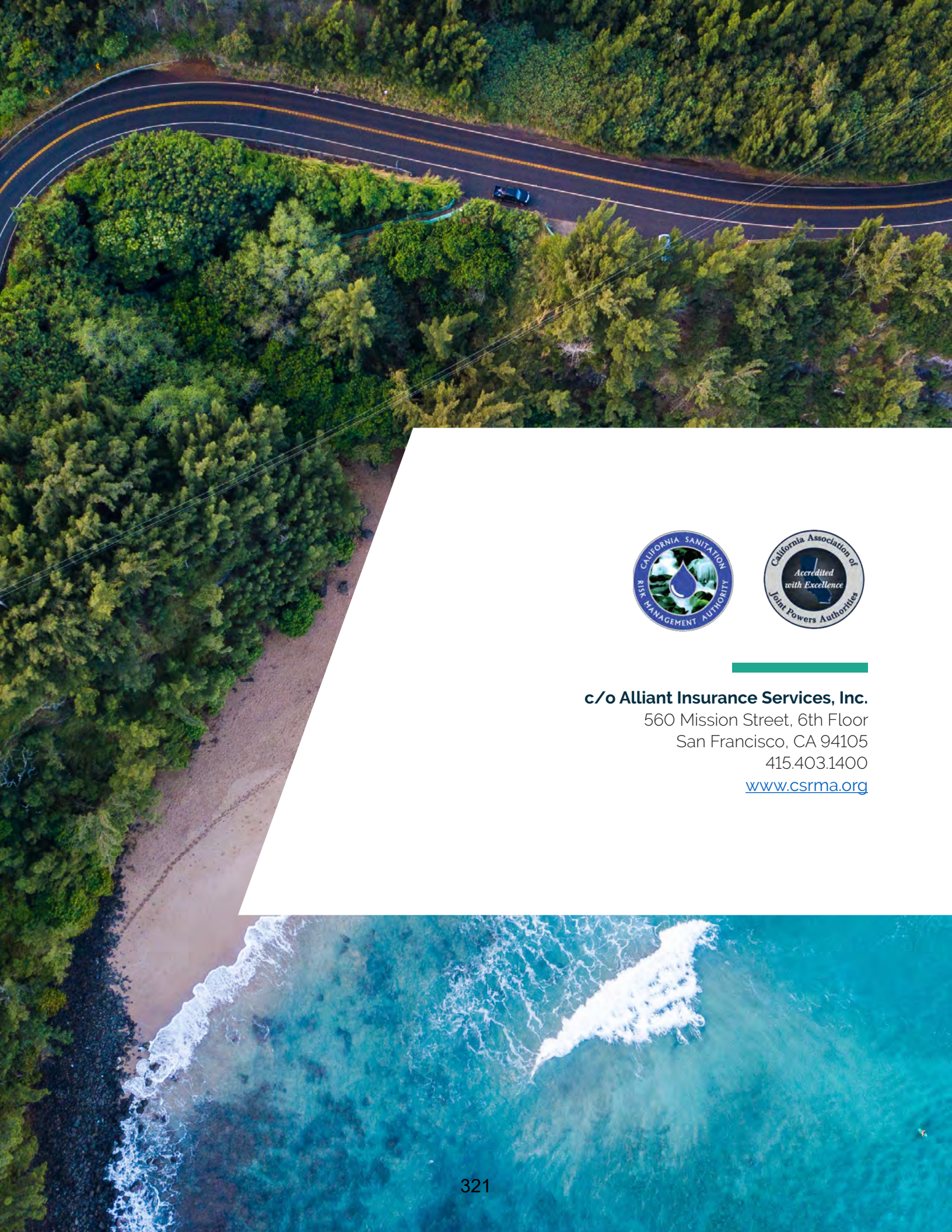
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South Orange County Wastewater Authority
2022 Board Meeting Calendar
 Revised: 1/4/2022







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2022 Conference Dates:

CASA Winter Conference	January 19-21, 2022	Palm Springs, CA
AWWA/WEF Utility Mgmt. Conf	February 21-24, 2022	Orlando, FL
Water Reuse Conference	March 6-9, 2022	San Antonio, TX
CWEA Annual Conference	April 11-14, 2022	Sacramento, CA
ACWA Spring Conference	May 3-6, 2022	Sacramento, CA
CASA Annual Conference	August 10-12, 2022	Olympic Valley, CA
CAJPA Conference	September 13-16, 2022	Lake Tahoe Resort
WEFTEC Annual Conference	October 8-12, 2022	New Orleans, LA
ACWA Winter Conference	Nov. 29-Dec. 2, 2022	Indian Wells, CA
CRWUA Annual Conference	December 14-16, 2022	TBD

 Board Meeting (8:30 a.m.) (1 st Thursday of the month)	 Board Budget Workshop (8:30 a.m.) (5/19/2022)
 Finance Special Committee (10:30 a.m.) (3 rd Tuesday of the month) (Monthly meetings as directed on February 20, 2020)	 Finance Special Committee (10:30 a.m.) Special Budget Review Meetings: (3/29/2022 & 5/10/2022)
 Executive Regular Committee (9:00 a.m.) 2 nd Tuesday in May & November (5/10/2022 & 11/8/2022)	 Engineering Regular Committee (8:30 a.m.) (2 nd Thursday of the Month)

SOCWA Meetings are held virtually via Zoom until further notice
 34156 Del Obispo Street, Dana Point, California

Red numbered dates indicate SOCWA holidays and weekends



Message from Lystek International

This past year has been an exciting time for Lystek international. The Lystek Fairfield OMRC continues to be (and grow) into an integral part of the northern California solution to advanced biosolids management. In August 2021, the Fairfield OMRC celebrated its 5-year anniversary of being a premier service provider to the wastewater community. With that as one of many highlights in 2021, listed below is a more detailed catalog of accomplishments:

- By the end of 2021, the Fairfield OMRC will have received and processed more than 250,000 wet tons of biosolids since our opening in 2016. Our client list continues to grow with more than 12 different agencies using Lystek for all or some of its biosolids management end-use and diversification needs. Overall volume growth in 2021 was more than 35% from the prior year.
- Starting in 2021, we have partnered with the local Budweiser facility (also in Fairfield) for receipt of their wasted sludge material. This type of arrangement showcases the added organic-based materials that can be processed by the Lystek THP technology into beneficial and added-value end products.
- Our agriculture land application program for the LysteGro fertilizer product also saw increased demand and interest. We land applied more than 35 million gallons of our registered fertilizer product to farmers and ranchers looking to increase soil health and crop yields, while at the same time reduce their demand on commercial fertilizers and mitigate some of the impacts from the recurring drought and climate changes. The diversity of crops has also increased which allows for a broader usage across our region.

Lystek continues to position its operations to meet the challenges coming over the next few years. The increasing regulatory burdens (i.e., SB-1383) will likely reduce the traditional biosolids solution options used by many wastewater entities. The Fairfield OMRC operations will comply with these restrictive provisions and offer opportunities to biosolids and organic waste generators desiring to have a high-value and secure future.

Included in this newsletter are some additional features focusing on the expansion of the Lystek technology in California, in North America, and across the globe. Lystek and its team of operators and engineers are proud of these successes and we will continue to earn your partnership every day.

Regards,

James Dunbar, P.E.
General Manager/
Business Development Manager - California

RECEIVED

DEC 21 2021

S.O.C.W.A.

323

4 NEW PLANTS
in Design /
Construction

LYSTEK THP
Modules
Installed **16**

55 GENERATORS
Serviced

1.7+

MILLION TONS
of LYSTEGRO
Sold & Applied

100,000+
ACRES FERTILIZED

more than
Agricultural
Customers **350**

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NEW FACILITY UPDATES

MICHIGAN EXPANSION

We are very excited to be expanding our technology and **LysteGro®** fertilizer programs into the state of Michigan with our first facility coming online this year.

SOUTH HURON VALLEY UTILITY AUTHORITY



The South Huron Valley Utility Authority needed a solution to substantially reduce biosolids volumes at their wastewater plant. The existing low-solids liquid, lime-stabilized Class B biosolids program was stressed for winter storage and the WWTP was required to implement a costly contingency option of dewatering and hauling to landfill. By implementing **Lystek THP®**, SHVUA will eliminate the use of lime, reduce their offsite biosolids volumes by over 50%, vastly extend storage capacity at the plant, reduce program expenses and control future costs, all while producing an enhanced Class A biosolids product for local agricultural use.

This project has been in design and construction throughout 2021 and is expected to commission before the end of the year.

COMMERCE TOWNSHIP WASTEWATER TREATMENT PLANT

The Commerce Township Wastewater Treatment Plant experienced exponential cost increases for landfill disposal of their dewatered biosolids in recent years, leading project managers to question the viability of their program. To address this growing concern the Township and Oakland County operations staff were looking for cost effective and sustainable solutions to address their biosolids management needs.

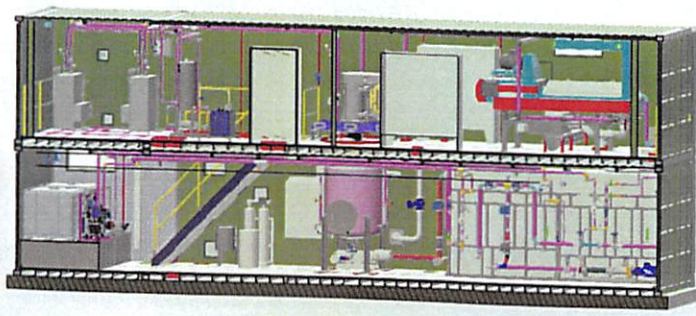
With the announcement of \$2,000,000 in state funding to contribute to the project the Commerce Board of Trustees decided to move forward with design and permitting of an onsite Class A **LysteGro** biosolids fertilizer solution. This project leverages previous investments in the wastewater treatment plant, including their newly constructed biosolids dewatering and loading facility, and their existing concrete storage tanks. This project will enable the Township to transition the Commerce WWTP to a resource recovery facility with 100% landfill diversion achieved and will provide the long-term operational and price security associated with a value-added, low-volume Class A biosolids fertilizer program.

GLOBAL EXPANSION

SHARJAH MUNICIPALITY, UNITED ARAB EMIRATES

With Sharjah Municipality as our partner we are embarking on our first project in the Middle East. Sharjah Municipality was looking for practical means to take control of their biosolids management program and reduce their reliance on third parties as they currently used a costly off-site processing option for their biosolids management needs.

Lystek will be deploying a **Package® THP** system. This project includes an integrated dewatering process alongside a fully electric LY3 Module.



GOLETA SANITARY DISTRICT BIOGAS PRODUCTION PROJECT

As part of our multi-year partnership with the Goleta Sanitary District and the California Energy Commission we have successfully completed our demonstration scale Source Separated Organics (SSO) digestion research project. This SSO project represents our first project pre-processing organic residuals to enhance digestion.

When **Lystek THP** was used to pre-treat difficult-to-digest source separated organics it was found biodegradability of the substrate improved from 18% to 77%, and the biogas yield increased by 470% vs. the untreated organics.



LysteMize
Digestion Enhancement

In the second phase **LysteMize**® anaerobic digestion re-feed project we have proven the significant increases in biogas production possible with the **LysteMize** technology. We observed soluble COD in recalcitrant biosolids increased an average of 580% following **Lystek THP**. Overall digester VSR improved from a baseline of 59% to 67%.

We look forward to completing our data analysis and write up for the project – stay tuned for future publications and presentations.



PROVEN RESULTS

- *Substrate biodegradability improved from 18% to 77%*
- *Biogas yield increased by 470%*
- *Soluble COD increased an average of 580% in recalcitrant biosolids*
- *Overall digester VSR improved 59% to 67%*

INNISFIL LYTEK THP EXPANSION

A single LY3 process train was installed in 2019 at the Innisfil, ON Wastewater Treatment Plant to support population growth and associated demands on their dilute Class B biosolids program.

Now, with even more rapid community growth experienced throughout the pandemic, the plant has initiated a tender to install the planned second LY3 Module in 2022. We are excited to continue to service the community's growing population with our modular and readily expandable **Lystek THP** process train.



UPDATES FROM OUR ORGANIC MATERIAL RECOVERY CENTERS



FAIRFIELD OMRC

The Fairfield OMRC, originally commissioned in 2016, has quickly become a cornerstone of Lystek's international operating base. Servicing 11 generators across the Bay Area and Northern California we have quickly emerged as the leading sustainable biosolids management provider in the region.

2021 was a big year for Fairfield as we completed our Phase 2 **LysteGro** storage project – bringing an additional 8,000,000 gallons of available product storage

to the site. We have also brought on new feedstocks such as biosolids from the local Budweiser brewery over the past year.

We are excited to share that due to Lystek's impressive and secure operating record, the Fairfield Suisan Sewer District has extended our onsite Lease Agreement an additional 5 years – ensuring operations to 2041, with operations further extendable to 2051.



SOUTHGATE OMRC

The Southgate OMRC is Lystek's flagship resource recovery operation. Since commissioning in 2012 it has reliably serviced the biosolids management needs of Southern Ontario's largest communities including City of Toronto, Halton Region, Region of Waterloo, City of Guelph, City of Orangeville, Muskoka, and others.

As we close in on 1 million tons of **LysteGro** produced and sold at this facility we are thankful for the strength of support from our customers, employees, and local stakeholders. Expansion planning for this facility is currently underway and looks to tap into emerging circular economy market opportunities. We are excited for what this next chapter will bring as we approach our 10-year operations anniversary!



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