

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

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

June 2, 2022
8:30 a.m.

IN PERSON MEETING LOCATION:
Residence Inn Dana Point San Juan Capistrano
33711 Camino Capistrano
San Juan Capistrano, CA 92675

IN ACCORDANCE WITH AB361, MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE AND MAY JOIN THE MEETING VIA ONLINE AND BY TELECONFERENCE PHONE NUMBER. 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.

PUBLIC COMMENTS WILL BE TAKEN DURING THE MEETING FOR ORAL COMMENTS. COMMENTS MAY ALSO BE SUBMITTED PRIOR TO THE MEETING VIA EMAIL TO ASSISTANT SECRETARY DANITA HIRSH AT DHIRSH@SOCWA.COM.

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 BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. 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 SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

FOR PUBLIC MEMBER VIRTUAL PARTICIPATION:

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

Meeting ID: 838 0249 0606
Passcode: 142935

Dial by your location:

+1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston) +1 312 626 6799 US (Chicago)

Find your local number: <https://socwa.zoom.us/j/83802490606>

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

1. PLEDGE OF ALLEGIANCE

2. 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

3. SOCWA MEETINGS – REGULAR BOARD, COMMITTEE AND SPECIAL MEETING OPTIONS, INCLUDING IN PERSON, VIRTUAL OR BOTH FOR THE PURPOSE OF CONDUCTING THE BUSINESS OF THE AUTHORITY

ACTION Board Discussion and Direction to Staff (see General Manager Report, Item 8.F. for discussion of options for meeting formats)

4. AB361 – ALLOWING FOR VIRTUAL MEETINGS – Findings and Approval to continue Virtual meetings.....1

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

- A. 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;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented in the June 2, 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;
- C. The Board hereby makes these findings and approves for the upcoming 30-day period, June 2, 2022 to July 2, 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.
- D. Staff is hereby directed to notice the upcoming board and committee meetings as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at the next occurring meeting(s) so that, at that point in time, a determination can be made regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees. The Board of Directors hereby delegates authority to the Standing Committees of SOCWA to make findings pursuant to Government Code Section 54953(e) at a duly noticed public meeting in order to remain in compliance with AB 361.

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

5. <u>BOARD OF DIRECTORS OFFICES –Nominating of Board Chair & Vice Chair</u>	20
ACTION Chair/Board discussion and direction re: Nominating Committee, selection of Board Offices.	
6. <u>CONSENT CALENDAR</u>	
A. Minutes of Board of Directors	21
1. Board of Directors Regular Meeting of April 7, 2022	
2. Board of Directors Closed Session Meeting of April 12, 2022	
ACTION The Board will be requested to approve subject Minutes.	
B. Minutes of Executive Committee	28
• Executive Committee Meeting of April 21, 2022	
ACTION The Executive Committee will be requested to approve subject Minutes as submitted, and the Board of Directors will be requested to receive and file subject Minutes.	
C. Minutes of Finance Committee	29
1. Finance Committee Meeting of March 15, 2022	
2. Finance Committee Meeting of March 29, 2022	
ACTION The Board of Directors will be requested to receive and file subject Minutes.	
D. Minutes of Engineering Committee	34
1. Engineering Committee Meeting of February 10, 2022	
2. Engineering Committee Meeting of March 10, 2022	
ACTION The Board of Directors will be requested to receive and file subject Minutes.	
E. Financial Reports for the Month of March 2022	51
The reports included are as follows:	
1. Summary of Disbursements for March 2022 (Exhibit A)	
2. Schedule of Funds Available for Reinvestment (Exhibit B)	
➤ Local Agency Investment Fund (LAIF)	
3. Schedule of Cash and Investments (Exhibit C)	
4. Capital Schedule (Exhibit D)	
➤ Capital Projects – Graph (Exhibit D-1)	
5. Budget vs. Actual Expenses:	
➤ Operations and Environmental Summary (Exhibit E-1)	
➤ Operations and Environmental by PC (E-1.2)	
➤ Residual Engineering, after transfer to Capital (Exhibit E-2)	
➤ Administration (Exhibit E-3)	
➤ Information Technology (IT) (Exhibit E-4)	
6. Q3 Fringe Pool and Fringe Rate Forecast (Exhibit E-5) (Updated Fringe Rate)	

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

- ACTION The Finance Committee recommends that the Board of Directors ratify the March 2022 disbursements for the period from March 1, 2022, through March 31, 2022, totaling \$3,237,151, and to receive and file the March 2022 Financial Reports as submitted.
- F. Financial Reports for the Month of April 2022..... 70
The reports included are as follows:
- 1. Summary of Disbursements for April 2022 (Exhibit A)
 - 2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
 - 3. Schedule of Cash and Investments (Exhibit C)
 - 4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
 - 5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)
- ACTION The Finance Committee recommends that the Board of Directors ratify the April 2022 disbursements for the period from April 1, 2022, through April 30, 2022, totaling \$2,687,927, and to receive and file the April 2022 Financial Reports as submitted.
- G. Q3 FY 2021-22 Cash Roll Forward as of March 31, 2022..... 88
- ACTION The Finance Committee recommends that the Board of Directors receive and file the Q3 Fiscal Year 2021-22 Cash Roll Forward as submitted.
- H. SOCWA 457b Plan Investment Policy Update..... 103
- ACTION The Finance Committee recommends that the Board of Directors approve the SOCWA Employee Committee moving ahead to sign a revised Investment Policy Statement.
- I. Operations Reports (**March and April**) 112
- ACTION The Board will be requested to receive and file the March 2022 (Agenda Item 6I1) and the April 2022 (Agenda Item 6I2) Operations Reports.
- J. Capital Improvement Program Status Report (**May and June**)..... 198
- ACTION Information Item

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

- K. Capital Improvement Construction Projects Progress and Change Order Report **(April)** [Project Committees 2, 15, and 17].....207
- ACTION The Engineering Committee recommends that the PC 15 Board approve JR Filanc Change Order 24 for a time extension of 51 days for the Coastal Treatment Plant Export Sludge Force Main Replacement project at no additional cost.
- L. Capital Improvement Construction Projects Progress and Change Order Report **(May and June)** [Project Committees 2, 15, and 17]222
- ACTION Two Information Items, receive and file.
- M. Hazen & Sawyer Design Services Contract for JBL Electrical System Study and Design [Project Committee 2]237
- ACTION The Engineering Committee recommends that the PC 2 Board approve Amendment No.2 to Hazen and Sawyer Services Contract in the amount of \$19,980 for a total revised contract amount of \$243,916 for the design services for the J.B. Latham Electrical System Study and Design Project.
- N. Regional Treatment Plant Consequence of Failure Analysis, Dudek engineering in the amount not to exceed \$58,970.00 [Project Committee 17].....241
- ACTION The Engineering Committee recommends that the PC 17 Board:
- Authorize the General Manager to execute a contract with Dudek Engineering for the Regional Treatment Plant Consequence of Failure Analysis (47224C-000) for a fee not to exceed \$58,970.00.
- O. National Energy Solutions SGIP Grant Administration Contract for \$16,800.00 [Project Committees 2 and 17]243
- ACTION Staff recommends that the Board of Directors authorize the General Manager to acquire the services of National Energy Solutions (NES) for SGIP grant data reporting and administration totaling \$16,800. This includes \$8,400 for JBL PC 2 (solids) and \$8,400 for RTP PC 17 (solids).
- P. CSRMA Risk Control Survey 2021245
- ACTION Information Item, Receive and File

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

- Q. RESOLUTION NO. 2022-02: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Employee Salary Range Summary And Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association254

ACTION Staff recommends that the Board of Directors approve Resolution No. 2022-02, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving Employee Salary Range Summary and Employee Job Classification Salary Schedule to the July 1, 2020 to June 30, 2023 Memorandum of Understanding Between the South Orange County Wastewater Authority and the SOCWA Employee Association.

- R. RESOLUTION NO. 2022-03: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary And Employee Job Classification Salary Schedule to the SOCWA Employee Manual.....258

ACTION Staff recommends that the Board of Directors approve Resolution No. 2022-03, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Approving New Employee Salary Range Summary And Employee Job Classification Salary Schedule to the SOCWA Employee Manual.

- S. Investment Policy for Public Funds Annual Review263

ACTION Staff recommends that the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

- T. Pacific West Patrol Contract Extension of Security Services
[Project Committees 2 and 17272

ACTION Staff recommends PC 2 and 17 Board of Directors authorize the General Manager to amend the existing services contract with Pacific West Patrol to add an additional year of service at a cost not to exceed \$18,000.

7. ENGINEERING MATTERS

- A. J.B. Latham Treatment Plant Package B Contingency Increase
[Project Committee 2]274

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

ACTION Staff recommends that the PC-2 Board of Directors approve the following changes in contingencies for Change Orders associated with the Package B Olsson Construction Contract totaling \$690,000, as follows: (i) Increase liquids Area (3220-000) contingency by \$415,000 to a total of \$1,331,800, (ii) Increase Common Area (3231-000) contingency by \$25,000 to a total of \$121,800, (iii) Increase Solids Area contingency by \$250,000 to a total of \$2,107,400.

B. An amendment to the Kleinfelder Engineering Contract for bidding and construction support services for the JBL Centrate Piping Reconstruction Project [Project Committee 2]281

ACTION Staff recommends that the PC 2 Board of Directors approve the bidding and construction services contract amendment to Kleinfelder in an amount not to exceed \$71,374 for the J.B. Latham Treatment Plant Centrate Piping Reconstruction Project.

8. GENERAL MANAGER'S REPORTS

A. Contract Amendments to Synagro for Biosolids Management289

ACTION Staff recommends that the Board of Directors authorize the General Manager to execute contract amendment[s] with Synagro for Biosolids management consistent with the price quote provided in the staff report.

B. Extension of Polymer Contract with Polydyne, Inc. [Project Committees 2 and 17]298

ACTION Staff recommends that the PC 2 and 17 Board of Directors authorize the General Manager to negotiate a one-year contract extension with Polydyne Inc. for the polymer products currently under contract to be supplied by this vendor.

C. SOCWA 457b Plan Loan Program Update300

ACTION The Finance Committee recommends that the Board of Directors:

1. Approve the SOCWA 457b Plan Loan Program to allow for an offset of payments otherwise due to retirees to be allocated to retiree loan repayments following separation from employment with the caveat that should the repayment source become unavailable the loan balance would then become a taxable distribution event. [Employee Authorization Form attached]; and
2. Approve revision to the Nationwide 457b Plan Administration Agreement to allow for SOCWA to submit the offset monies for the repayment of loan amounts via Nationwide's Fast Pay system. [Document attached]

South Orange County Wastewater Authority
Board of Directors Meeting
June 2, 2022, Agenda

PAGE NO

D. Plume Tracking Technology Review [Project Committees 5 and 24]304

ACTION Staff recommends that the PC 5 and PC 24 Board of Directors authorize the General Manager to enter into a contract with Michael Baker International for Plume Tracking Technology Review in an amount not to exceed \$50,000 to be cost shared as set forth in Table 1 and Table 2 of the staff report.

E. General Counsel's Updates.....

F. General Manager's Reports.....313

ACTION Information Items, Board Discussion and Direction

G. Upcoming Meetings Schedule:

- June 9, 2022 – Engineering Committee Regular Meeting
- June 21, 2022 – Finance Committee Special Meeting – *To Be Cancelled*
- July 7, 2022 – Board of Directors Regular Meeting – *To Be Cancelled*
- July 14, 2022 – Engineering Committee Regular Meeting – *To Be Cancelled*
- July 19, 2022 – Finance Committee Special Meeting – *To Be Cancelled*
- August 4, 2022 – Board of Directors Regular Meeting

ACTION Information Item

9. OTHER MATTERS

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.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
AUGUST 4, 2022

Agenda Item

4

Board of Directors Meeting

Meeting Date: June 2, 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 May 12, 2022 Board Meeting, the SOCWA Board held its May Board, committee and PC meetings virtually under AB 361. The Board's 30-day findings expire on June 11, 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 March 24, 2022 (attached to this staff report) contain "strong recommendations" promoting social distancing for 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 continue holding 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.

The County of Orange Health Officer's Orders and Strong Recommendations, revised March 24, 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 5/24/2022:

- Cumulative Cases: 566,402
- Daily Positive Cases: 2,440
- Cumulative Deaths: 7,030
- Daily (new) Deaths Reported Today: 2
- Cumulative PCR Tests: 9,071,880
- Weekly PCR Tests: 98,355
- Cases Currently Hospitalized: 131
- Cases Currently in ICU: 20

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:

- A. 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;
- B. Based on the information provided in this staff report and pursuant to the information and discussion presented in the June 2, 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;
- C. The Board hereby makes these findings and approves for the upcoming 30-day period, June 2, 2022 to July 2, 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.
- D. Staff is hereby directed to notice the upcoming board and committee meetings as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at the next occurring meeting(s) so that, at that point in time, a determination can be made regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees. The Board of Directors hereby delegates authority to the Standing Committees of SOCWA to make findings pursuant to Government Code 54953(e) at a duly noticed public meeting in order to remain in compliance with AB 361.



REGINA CHINSIO-KWONG, DO
COUNTY HEALTH OFFICER

MATTHEW ZAHN, MD
DEPUTY COUNTY HEALTH OFFICER/MEDICAL DIRECTOR CDCD

405 W. 5TH STREET, 7TH FLOOR
SANTA ANA, CA 92701
www.ocalthinfo.com

**COUNTY OF ORANGE HEALTH OFFICER'S
ORDERS AND STRONG RECOMMENDATIONS
(Revised March 24, 2022)**

In light of recent Face Mask Guidance issued by the California Department of Public Health (CDPH) and certain recent orders issued by the State Public Health Officer regarding COVID-19 vaccine requirements, 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 March 11, 2022. The Orders and Strong Recommendations issued on March 11, 2022, are no longer in effect as of March 24, 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 of Persons with COVID-19 Order

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

1. Persons who are symptom-free but test positive for COVID-19.

If you do not have any COVID-19 symptoms (as defined below in this Order) but test

positive for COVID-19, you shall immediately isolate yourself in your home or another suitable place for at least 5 days from the date you test positive and may end your self-isolation after day 5:

- If you continue not having any COVID-19 symptoms and a diagnostic specimen collected on day 5 or later tests negative.
 - While an antigen test, nucleic acid amplification test (NAAT), or LAMP test are acceptable, use of an antigen test is recommended. Use of Over-the-Counter tests are also acceptable to end isolation.

Exceptions.

- 1) If you are unable or choose not to test on day 5 or after, or if you test positive after day 5, you shall continue your self-isolation through day 10 from the date of your initial positive test and may end your self-isolation after 10 days from the date of your initial positive test.
- 2) If you develop COVID-19 symptoms during the time of your self-isolation, you shall isolate yourself for at least 10 days from the date of symptom(s) onset. You may end your self-isolation sooner if a diagnostic specimen collected on day 5 (or later) from the date of symptom(s) onset tests negative.

All persons who test positive for COVID-19 should continue to wear a well-fitting mask at all times around other people through day 10.

2. Persons who have COVID-19 symptoms.

If you have COVID-19 symptoms, you shall immediately isolate yourself in your home or another suitable place for 10 days from the date of your symptom(s) onset and may end your self-isolation sooner under any of the following conditions:

- If your symptoms resolve within the first 24 hours of onset without any fever reducing agents.

- If a diagnostic specimen collected as early as the date of your symptom(s) onset tests negative.
 - While an antigen test, nucleic acid amplification test (NAAT), or LAMP test are acceptable, use of an antigen test is recommended. Use of Over-the-Counter tests are also acceptable to end isolation.
- If you obtain an alternative diagnosis from a healthcare provider.

Exception:

If you have COVID-19 symptoms and test positive for COVID-19, you shall isolate yourself for at least 10 days from the date of symptom(s) onset. You may end your self-isolation sooner if a diagnostic specimen collected on day 5 (or later) from the date of symptom(s) onset tests negative.

You are not required to self-isolate for more than 10 days from the date of your COVID-19 symptom(s) onset regardless of whether your symptoms are present on Day 11.

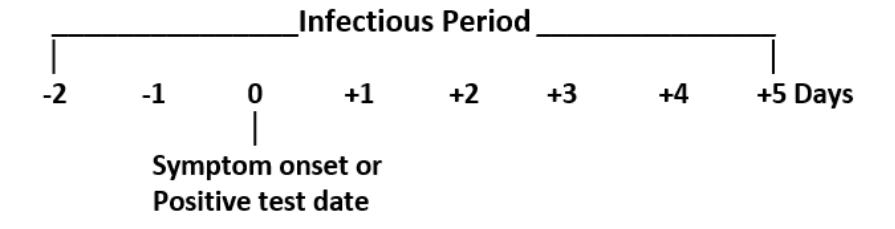
All persons who have COVID-19 symptoms should continue to wear a well-fitting mask at all times around other people through at least Day 10.

Additional Considerations for Self-Isolation.

- 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.

Timing for “Day 0”- As noted in CDPH Isolation and Quarantine Q&A, the 5-day clock for isolation period starts on the date of symptom onset or (day 0) for people who test

positive after symptoms develop, or initial test positive date (day 0) for those who remain asymptomatic. If an asymptomatic person develops symptoms, and test positive, date of symptom onset is day 0.



Note: In workplaces, employers and employees are subject to the Isolation and quarantine requirements as stated in the CalOSHA COVID-19 Emergency Temporary Standards (ETS) as modified by the Governor’s Executive Order N-5-22 or in some workplaces the Cal/OSHA Aerosol transmissible Diseases (ATD) Standard. Information about CalOSHA COVID-19 Emergency Temporary Standards (ETS) can be found at <https://www.dir.ca.gov/dosh/coronavirus>.

Definition.

Whenever the term “symptom” or “*COVID-19 symptom*” is used, it shall mean COVID-19 symptom. 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.

II. Face-Coverings/Masks:

To help prevent the spread of droplets containing COVID-19, all County residents and visitors are strongly recommended to wear face coverings in accordance with and as required by the Guidance for the Use of Face Coverings issued by CDPH, effective March 1, 2022. The Guidance is attached herein as Attachment "A" and can be found at:

A: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/guidance-for-face-coverings.aspx>.

Masks are required for all individuals in the following indoor settings, regardless of vaccination status:

- Public Transit and in transportation hubs- Masks guidance/requirement is subject to Federal Requirements and guidance found at <https://www.cdc.gov/coronavirus/2019-ncov/travelers/face-masks-public-transportation.html> Examples: airplanes, ships, ferries, trains, subways, buses, taxis, and ride-shares) and in transportation hubs (examples: airports, bus terminals, marina, train station, seaport or other port, subway station, or any other area that provides transportation).
- Emergency shelters and cooling and heating centers.
- Healthcare settings (applies to all healthcare settings, including those that are not covered by State Health Officer Order issued on July 26, 2021).
- Local correctional facilities and detention centers.
- Long Term Care Settings & Adult and Senior Care Facilities.

NOTE: In workplaces, employers are subject to the Cal/OSHA COVID-19 Emergency Temporary Standards (ETS) as modified by the Governor's Executive Order N-5-22 or in

some workplaces the Cal/OSHA Aerosol Transmissible Diseases (ATD) Standard and should consult those regulations for additional applicable requirements.

NOTE: In accordance with State Health Officer Order, issued on July 26, 2021, and found at <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>, in certain healthcare situations or settings, surgical masks are required.

No person shall 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 this mask order:
 - Persons younger than two years old.
 - 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.

III. Health Care Workers COVID-19 Vaccine Requirement Order:

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 February 22, 2022, 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:

B: <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
- o. 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.

IV. Requirements and Guidance for Specific Facilities

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, issued on July 26, 2021 and 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:

C: <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

1. 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:

D: <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.

2. 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:

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

3. 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 dose requirements as set forth in the February 22, 2022, 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:

F: <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.

4. 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 issued February 7, 2022. A copy of the State Health Officer Order is attached herein as Attachment "G" and can be found at the following link:

G. <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. Self-quarantine of Persons Exposed to COVID-19

- If you are known to be exposed to COVID-19 (regardless of vaccination status, prior disease, or occupation), it is strongly recommended to follow CDPH Quarantine guidance found at <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Guidance-on-Isolation-and-Quarantine-for-COVID-19-Contact-Tracing.aspx>.
- **K-12 Schools and Child Care**
 - Schools/school districts are advised to follow CDPH COVID-19 Public Health Guidance for K-12 Schools in California, 2021-2022 School Year found at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/K-12-Guidance-2021-22-School-Year.aspx>
 - Child care providers and programs are advised to follow CDPH Guidance for Child Care Providers and Programs found at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/Child-Care-Guidance.aspx>.
- **Workplaces**
 - In workplaces, employers and employees are subject to the Quarantine requirement as stated in the Cal/OSHA COVID-19 Emergency Temporary Standards (ETS) as modified by the Governor's Executive Order N-5-22 or in some workplaces the Cal/OSHA Aerosol Transmissible Diseases (ATD) Standard.

Exposed to COVID-19 or exposure to COVID-19 mean to be within 6 feet of someone who has COVID-19 for a cumulative total of 15 minutes or more over a 24-hour period.

2. **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>.
3. **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. 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.

CDC Guidance can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/specific-groups.html>
4. **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.
5. **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) remain up-to-date as defined by CDC with COVID-19 vaccination. CDC Guidance can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/specific-groups.html>
6. 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 March 23, 2022, the County has reported a total of 546,125 recorded confirmed COVID-19 cases and 6,857 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. The CDPH issued a revised Guidance for the Use of Face Coverings, effective March 1, 2022, available at: <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/guidance-for-face-coverings.aspx>
8. 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>
9. 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 or boosted; (ii) there is limited supply of therapeutic options for high-risk individuals who have a high risk of exposure to COVID-19 or have mild-moderate COVID-19 infection; (iii) the current consensus among public health officials for slowing down the transmission of and avoiding contracting COVID-19 is for at-risk persons to complete a COVID-19 vaccination series and receive a booster if eligible, wear well-fitted mask in indoor settings when around others outside of their household, practice distancing, frequently wash hands with soap (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 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.

10. 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.
11. 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.
12. 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.
13. 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.
14. 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: March 24, 2022

A handwritten signature in black ink, appearing to read "Regina Chinsio-Kwong DO". The signature is fluid and cursive, with a large initial "R" and "K".

Regina Chinsio-Kwong, DO
County Health Officer
County of Orange

Agenda Item

5

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Board of Directors Offices – Nominating of Board Chair and Vice Chair

Background

The annual election of officers for SOCWA is typically scheduled for the June Board meeting. The Chairman and Vice-Chairman are selected along with the Secretary/Treasurer and an Assistant Secretary of the Board of Directors. The selection typically follows the formation and recommendation of a Nominating Committee in the May timeframe each year. The General Manager and the Executive Assistant are currently serving as the Secretary/Treasurer and Assistant Secretary respectively having been appointed in June of 2021.

The Board should determine its desires for the representation of the Chair and Vice Chair seats for the coming fiscal year.

Board discussion of Nominating Committee, selection of Board Offices for FY 2022/2023.

Recommended Action: Chair/Board discussion and direction re: Nominating Committee, selection of Board Offices.

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

DRAFT

April 7, 2022

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on April 7, 2022, 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
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director [arrived @ 10:05a.m.]
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENDORF	City of San Clemente	Director
STEVE MAY	City of San Juan Capistrano	Alternate Director [arrived @ 8:46 a.m./ Exited @ 9:48 a.m.]

Staff Present:

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
DAVID BARANOWSKI	Senior Engineer
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
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
BRAD NEUFELD	Varner & Brandt LLC
SHERRY WANNINGER	Moulton Niguel Water District
KEN AL-IMAM	City of San Juan Capistrano
DON FROELICH	Moulton Niguel Water District
OSMAN MUFTI	Sloan Sakai Law
DENNIS CAFFERTY	El Toro Water District
MIKE GASKINS	El Toro Water District
JEFF FERRE	Best Best Krieger Law
JENNA VOSS	County of Orange
ROD WOODS	Moulton Niguel Water District
ERICA CASTILLO	Santa Margarita Water District
MARC SERNA	South Coast Water District
ROD WOODS	Moulton Niguel Water District

1. CALL TO ORDER

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

2. PLEDGE OF ALLEGIANCE – Director Dan Ferons

3. ORAL COMMUNICATIONS

None.

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

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Dunbar to 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 April 7, 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, April 7, 2022 to May 6, 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 upcoming board and committee meetings as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at May 12, 2022 Regular Board 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.

(continuation of agenda item 4)

Motion carried: Aye 8, Nay 0, Abstained 0, Absent 2
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
[arrived @ 10:05 a.m.] Director Reinhart Absent
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director May Absent
Director Rebensdorf Aye

5. CONSENT CALENDAR

ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Ferons to approve the Consent Calendar as submitted.

(5A thru 5J)

- A Minutes of Regular Board of Directors March 3, 2022
- B Minutes of PC 2 Committee March 10, 2022
- C Minutes of PC 15 Committee March 10, 2022
- D Minutes of Finance Committee February 15, 2022
- E Financial Reports for the Month of January 2022
- F Financial Reports for the Month of February 2022
- G Actuary Firms Open Task Orders, Authorization for Two-Years Services
Totaling \$15,000 for Work of Bartel Associates and Nyhart
- H Operations Reports February 2022
- I Capital Improvement Program Status Report
- J Capital Improvement Program Project Financial Status and Change Orders

Motion carried: Aye 8, Nay 0, Abstained 0, Absent 2
Director Dunbar Aye
Director Freshley Aye
Director Dopudja Aye
Director Collings Aye
[arrived @ 10:05 a.m.] Director Reinhart Absent
Director Iseman Aye
Director Ferons Aye
Director Goldman Aye
Director May Absent
Director Rebensdorf Aye

6. GENERAL MANAGER'S REPORTS

- A. Third Amendment to San Diego Funding Area Memorandum of Understanding
for Integrated Regional Water Management (IRWM) Planning and Funding

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Goldman to authorize the General Manager to sign the Third Amendment to the Tri-County Funding Area Agreement in form and substance consistent with the attached version with allowance for any minor non-substantive comments that may be submitted by other parties.

Motion carried:	Aye 8, Nay 0, Abstained 0, Absent 2
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
[arrived @ 10:05 a.m.]	Director Reinhart Absent
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director May Absent
	Director Rebensdorf Aye

B. AWT#2 Equipment Purchases [Project Committee 17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to authorize the purchase of a 12" Cla valve and an 8" Cla valve at the cost of \$51,822.36, plus shipping that will be determined at the time of shipping.

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

C. Extension of Amendment to the Waste Disposal Agreement with OC Waste and Recycling

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Freshley to revise letter authorizing the General Manager, and Director of Operations to provide written intent to renew the Waste Disposal Agreement between the South Orange County Wastewater Authority and the County of Orange (OC Waste and Recycling).

Motion carried:	Aye 8, Nay 0, Abstained 0, Absent 2
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
[arrived @ 10:05 a.m.]	Director Reinhart Absent
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director May Absent
	Director Rebensdorf Aye

D. General Counsels Update

Ms. Adriana Ochoa, General Counsel, Procopio Law, gave an updated regarding the All-Hands Meeting and City of San Juan Capistrano Proposed Withdrawal. She reported on the presentations that were given by the Ad Hoc Committee relating to SOCWA's future. Ms. Ochoa also reported on legal questions that were raised under Section 12.3 of the Joint Powers Agreement that addressed properly withdrawing from the Joint Powers Authority. An open discussion ensued.

Director Ferons expressed his disappointment in the legal opinion that was given. He noted Ms. Ochoa had crafted a very elegant solution to what seemed to be a simple issue by suggesting that we provide the notice at the All-Hands meeting. Director Ferons also noted it's abundantly clear that Santa Margarita has been open and notorious in the annexation with reports and writings at SOCWA, presentations at SOCWA, public notices, agency from LAFCO, official notices from LAFCO. There really does not really seem to be and is not any purpose to keep San Juan Capistrano in. Section 12.3 allows for to easily move them out. It just is a very frustrating opinion in Director Ferons mind that counsel is looking to the specific forms over the substance of the notice that has been given.

Mr. Ken Al-Imam, Chief Financial Officer, City of San Juan Capistrano, commented the City is in 100% in agreement with all of the statements that Dan Ferons just made. He noted in the positions that San Juan Capistrano took in their joint letter dated March 18, 2022, its mission, and its purpose, is simply no benefit to the Authority or it's member agencies for the City to continue to technically be considered a member of the Authority when in fact would be in name only. Mr. Al-Imam stated , we therefore respectfully request that the Board accept our withdrawal effective June 30, 2022.

General counsel responded that she understood Santa Margarita's frustration. However, she nor her office can make a recommendation to the SOCWA staff that is inconsistent with the language of the Joint Powers Agreement.

An open discussion ensued.

There was consensus of the Board to direct Ms. Ochoa, to proceed with working on an answer to item 1.A. of the General Counsels Memo that states:

"Is there a meaningful distinction between a contractual assignment, and an assignment that occurs concurrent with (or as a result of) a LAFCO reorganization that assigns interests from one SOCWA Member Agency to another SOCWA Member Agency, that would affect the answer to this question?"

Also, there was consensus of the Board to direct staff to present a draft budget that includes all ten member agencies and the general fund, and a draft budget that includes only the eight member agencies and the general fund at the next Finance Committee meeting for comparison purposes.

This was an information item; no action was taken.

E. General Manager's Report

Ms. Burnett, General Manager, reported that SOCWA received the reissued permits on the two Outfalls. She also reported work is about to begin on the State Lands Commission updates that go along with the Outfalls as referenced on page 141 of the agenda packet.

Ms. Burnett also noted the San Juan Creeks Ocean Outfall Junction Structure project received an award from SARBS which is an Engineering Achievement Award. She also stated it was a well-managed and carried out project initially led by Jason Manning and also had participation from the entire Engineering team including Roni Young and David Baranowski. An open discussion ensued.

This was an information item; no action was taken.

The Board convened to Closed Session at 9:50 a.m.
The Board reconvened to Open Session at 10:17 a.m.

7. CLOSED SESSION

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

There were no reportable actions.

8. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 10:17 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 April 7, 2022 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

April 12, 2022

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on April 12, 2022, at 8:00 a.m. at the Residence Inn located at 33711 Camino Capistrano, San Juan Capistrano, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENDORF	City of San Clemente	Director [exited @ 11:01 a.m.]

Absent:

STEVE MAY	City of San Juan Capistrano	Alternate Director
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Staff Present:

DANITA HIRSH	Executive Assistant
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Others Present:

BRAD NEUFELD	Varner & Brandt, LLC - Labor Counsel
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1. CALL TO ORDER

Chairman Collings called the meeting to order at 8:06 a.m.

2. ORAL COMMUNICATIONS

None.

The Board convened to Closed Session at 8:06 a.m.

The Board reconvened to Open Session at 11:22 a.m.

3. CLOSED SESSION

- A Closed Session was held pursuant to government code section § 54957 to discuss public employee discipline/dismissal/release.

There were no reportable actions.

ADJOURNMENT

There being no further business, Director Collings adjourned the at 11:22 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 April 12, 2022 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**

DRAFT

Executive Committee

April 21, 2022

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee Meeting was held on April 21, 2022 at 9:00 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
SCOTT GOLDMAN	South Coast Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director

Absent:

DAN FERONS	Santa Margarita Water District	Director
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Staff Participation:

BETTY BURNETT	General Manager
DANITA HIRSH	Executive Assistant

Also Participating:

BRAD NEUFELD	Varner & Brandt, LLC	Labor Counsel
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1. Call Meeting to Order

Chairman Collings called the meeting to order at 9:02 a.m.

2. Public Comments

None.

3. Discussion of Vacant Engineering Position

Ms. Burnett, General Manager reported on the discussion between the Chair and GM on the various measures that staff has taken in the recruitment of filling the Director of Engineering position that has been open since January 2022. An open discussion ensued.

There was concurrence of the Executive Committee to leave to the discretion of the General Manager with determining how she would like to move forward with filling the open position of the Director of Engineering.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 9:15 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 April 21, 2022 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
Finance Committee**

March 15, 2022

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on March 15, 2022 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 Zoom Meeting:

DAN FERONS	Santa Margarita Water District	Director
DAVID SHISSLER	City of Laguna Beach	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
PAMELA ARENDS-KING	South Coast Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
STEVE MAY	City of San Juan Capistrano	Alternate Director

Staff Participation:

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

Also Participating:

ADRIANA OCHOA	Procopio Law
KATHRYN FRESHLEY	El Toro Water District
SHERRY WANNINGER	Moulton Niguel Water District
JASON HAYDEN	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
CLAIRE COLLINS	Hanson Bridgett Law
EILEEN LIN	Irvine Ranch Water District
MIKE GASKINS	El Toro Water District
JESUS GARIBAY	Moulton Niguel Water District
ERICA CASTILLO	Santa Margarita Water District
RICK SHINTAKU	South Coast 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 February 15, 2022

Ms. Burnett noted corrections to agenda item 9, Items for Discussion on the February 15, 2022 Minutes.

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Arends-King to approve Finance Committee Meeting Minutes for February 15, 2022 with the corrections as noted.

Motion carried:	Aye 6, Nay 0, Abstained 0, Absent 0
	Director Ferons Aye
	Director Shissler Aye
	Director May Aye
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

4. Financial Reports for the Month of January 2022

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to recommend to the Board of Directors to ratify the January 2022 disbursements for the period of January 1 through January 31, 2022, totaling \$3,838,632, and to receive and file the January 2022 Financial Reports as submitted.

Motion carried:	Aye 6, Nay 0, Abstained 0, Absent 0
	Director Ferons Aye
	Director Shissler Aye
	Director May Aye
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

5. FY 2022-23 Operations & Maintenance / Environmental Budget

The SOCWA Staff kicked off the proposed Budget Development presentation for FY 2022-23:

- Ms. Carey, Finance Controller presented the proposed key budget assumptions, general assumptions, and policy changes.
- Mr. Burror, Director of Operations and Ms. Baylor, Director of Environmental Compliance presented the O&M Budget by member agency, and by Project Committee and Member Agency, including Environmental and Safety cost drivers..
- Ms. Burnett, General Manager went over the upcoming budget schedule for the remainder of the fiscal year. An open discussion ensued.

This was an information item; no action was taken.

6. Actuary Firms Open Task Order Two-Year Contract Renewals

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Arends-King to recommend that the Board of Directors authorize the General Manager to acquire the services of Bartel Associates and Nyhart over a two-year period in the amount of \$15,000.

Motion carried:	Aye 6, Nay 0, Abstained 0, Absent 0
	Director Ferons Aye
	Director Shissler Aye
	Director May Aye
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

Adjournment

There being no further business, Chairman Ferons 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 Special Meeting of the South Orange County Wastewater Authority Finance Committee of March 15, 2022 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

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

March 29, 2022

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on March 29, 2022 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 Zoom Meeting:

TONI ISEMAN	City of Laguna Beach	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
PAMELA ARENDS-KING	South Coast Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director

Absent:

DAN FERONS	Santa Margarita Water District	Director
STEVE MAY	City of San Juan Capistrano	Alternate Director

Staff Participation:

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

Also Participating:

ADRIANA OCHOA	Procopio Law
KATHRYN FRESHLEY	El Toro Water District
SHERRY WANNINGER	Moulton Niguel Water District
JASON HAYDEN	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
FERNANDO PALUDI	Trabuco Canyon Water District
MIKE GASKINS	El Toro Water District
ERICA CASTILLO	Santa Margarita Water District
DAVID SHISSLER	City of Laguna Beach

1. Call Meeting to Order

Director Collings called the meeting to order at 10:33 a.m.

2. Public Comments

None.

3. Financial Reports for the Month of February 2022

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Arends-King to recommend to the Board of Directors to ratify the February 2022 disbursements for the period of February 1 through February 28, 2022, totaling \$3,585,087 and to receive and file the February 2022 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Ferons Absent
	Director Shissler Aye
	Director May Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

4. O&M / Environmental, Safety Budget Workshop – Fiscal Year 2022-2023 (23:11)

At the March 15, 2022 Finance Committee meeting staff presented the proposed FY 2022-2023 budget with continuing presentations on the explanation of payroll costs change in the Cost Drivers, COLA, and Merit increase in the year-over-year (YOY). The presentation also addressed O&M support to Engineering, and clarifications on budget line-item details as requested by the Finance Committee. An open discussion ensued.

This was an information item; no action was taken.

5. SOCWA 457b Plan Loan Program Amendment

Ms. Burnett reported on the proposed amendment to the SOCWA 457 B Plan Loan Program.

The Committee members raised questions regarding the purpose of the amendment along with questioning what the duration are of the loan(s) and who would be affected by the changes should the employee leave the organization. An open discussion ensued.

ACTION TAKEN

There was consensus of the Finance Committee to bring agenda item back to the Finance Committee for consideration of approval once the Committee members questions were answered.

Adjournment

There being no further business, Chairman Ferons adjourned the meeting at 12:02 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of March 29, 2022 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

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

February 10, 2022

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on February 10, 2022, 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:

MIKE DUNBAR	Emerald Bay Service District
HANNAH FORD	El Toro Water District [arrived @ 9:03 a.m.]
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

DAVID SHISSLER	City of Laguna Beach
DAVE REBENS DORF	City of San Clemente
STEVE MAY	City of San Juan Capistrano
KEVIN BURTON	Irvine Ranch Water District

Staff Present:

BETTY BURNETT	General Manager
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
MARY CAREY	Finance Controller
ANNA SUTHERLAND	Accounts Payable
NADYN KIM	Accounting
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
TARYN KJOLSING	South Coast Water District
CHRIS NEWTON	South Coast Water District
SHERRY WANNINGER	Moulton Niguel Water District
DAVE LARSEN	Moulton Niguel Water District
JESUS GARIBAY	Moulton Niguel Water District

1. Call Meeting to Order

Mr. Burror, Director of Operations, called the meeting to order at 8:30 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Engineering Committee Meeting of January 13, 2022

ACTION TAKEN

Motion was made by Mr. Bunts seconded by Mr. Woods to approve the Engineering Committee Minutes of October 14, 2021, as submitted.

Motion Carried:	Aye 6, Nay 0, Abstained 0, Absent 4
	David Shissler (CLB) Absent
	Dave Rebensdorf (CSC) Absent
	Steve May (CSJC) Absent
	Mike Dunbar (EBSD) Aye
	Hannah Ford (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, reported that the J.B. Latham Manway on Digester 1 will be completed this week. He also noted budget information for O&M will be submitted to Finance in the following week. An open discussion ensued.

This was an information item; no action was taken.

5. Capital Improvement Construction Projects Report

Mr. Burror requested Ms. Young hold her update report on the Package B Project for when agenda item 6 is addressed.

Mr. Baranowski, Senior Engineer stated there were no change orders to report. He reported on the Coastal Treatment Plant (CTP) Export Sludge Force Main Replacement Project stating that the contractor is expected to demobilize on Tuesday, February 15, 2022, and the trail will be reopened to the public at that time. Mr. Baranowski also reported on the CTP Facilities Improvements noting there are no further updates for the project and that the project will be removed from the report when it is fully closed out. An open discussion ensued.

This was an information item; no action was taken.

6. J. B. Package B Project Construction and Offsite Impacts Update [Project Committee 2]

Ms. Young, Associate Engineer reported that Ovivo will be on site this week to certify the DAFT 2 equipment installation. Rockwell Engineering will be onsite next week to certify the TWAS pump installation, and the Plant 1 Influent Channel Phase 3 bypass will be completed by the end of the week and will conclude the work between Basins 3 and 4. Ms. Young continued reporting that Butier is in the process of reviewing the descope and time cost impact items submitted by Olsson.

Mr. Burror reported on receiving odor complaints associated with the ongoing bypass pumping done to facilitate critical repairs. He stated the complaints are from neighbors in the South Cove development next to the J.B. Latham Plant (JBL), and that O&M staff is performing additional odor patrols and provided phone contact numbers for the residents to call when odors are noticed. O&M staff has also contacted the City of Dana Point regarding the issue and provided SOCWA contact information for community complaints. Mr. Burror noted that the bypassing work is anticipated to be complete by the end of the week. An open discussion ensued.

Mr. Bunts recommended staff also contact SCAQMD and update them on the construction. SOCWA agreed to contact them and inform them of the project.

This was an information item; no action was taken.

7. Sludge Export Construction and Mitigation & Monitoring Plan Update [Project Committee 15]

Mr. Baranowski reported that restoration and mitigation are required by the project permits that will last a few years. The first item is to hydroseed to begin restoring the construction site within the next couple of weeks. He stated that the mitigation work is in permitting and design stages likely for the next 12 months. Mr. Baranowski stated the previously designated offset mitigation and restoration area has become no longer viable, and the project team will work to identify. SOCWA staff will take the next step of budgeting the mitigation and restoration project to follow the construction project. SOCWA will potentially contract with a third party to perform the work necessary to offset the construction impacts.

This was an information item; no action was taken.

8. RTP AWT #2 Rehabilitation Project Restart Update [Project Committee 17]

Mr. Baranowski reported that the project is restarting after being paused prior to the bidding stage. Carollo is preparing a memo to update the construction cost estimate and identify repairs made by staff while the project was paused to take them out of the design. He anticipates getting the project out to bid in the next few months. An open discussion ensued.

This was an information item; no action was taken.

9. FY2023-24 Budget through 2026-27 Budget Flows and Solids Projections Update

Ms. Amber Baylor, Director of Environmental Compliance gave a presentation (attached herein) on the updated budget flows and solids projections for fiscal year 2023-24 through 2026-27. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no further business, Mr. Burror adjourned the meeting at 9.02 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 February 10, 2022, 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



Aliso Creek Environmental Restoration and Mitigation Update

March 10, 2022

Construction is complete!



6 permits were required for construction

Each permit comes with its own requirements during or after construction



San Diego Regional Water Quality Control Board



Restoration and mitigation activates

Item	Activity	Status	Timing
1	Construction Corridor Restoration (Hydroseed)	Ready to Being	March 2022
2	Creek Bank Stabilization	Design/Permitting	2023
3	Upland Mitigation	Design/Permitting	2023
4	Wetlands Mitigation	Design/Permitting	2023

- Restoration = fix what was disturbed
- Mitigation = additional improvements to offset what was disturbed

1) Construction Corridor Restoration

Current status



Hydroseed

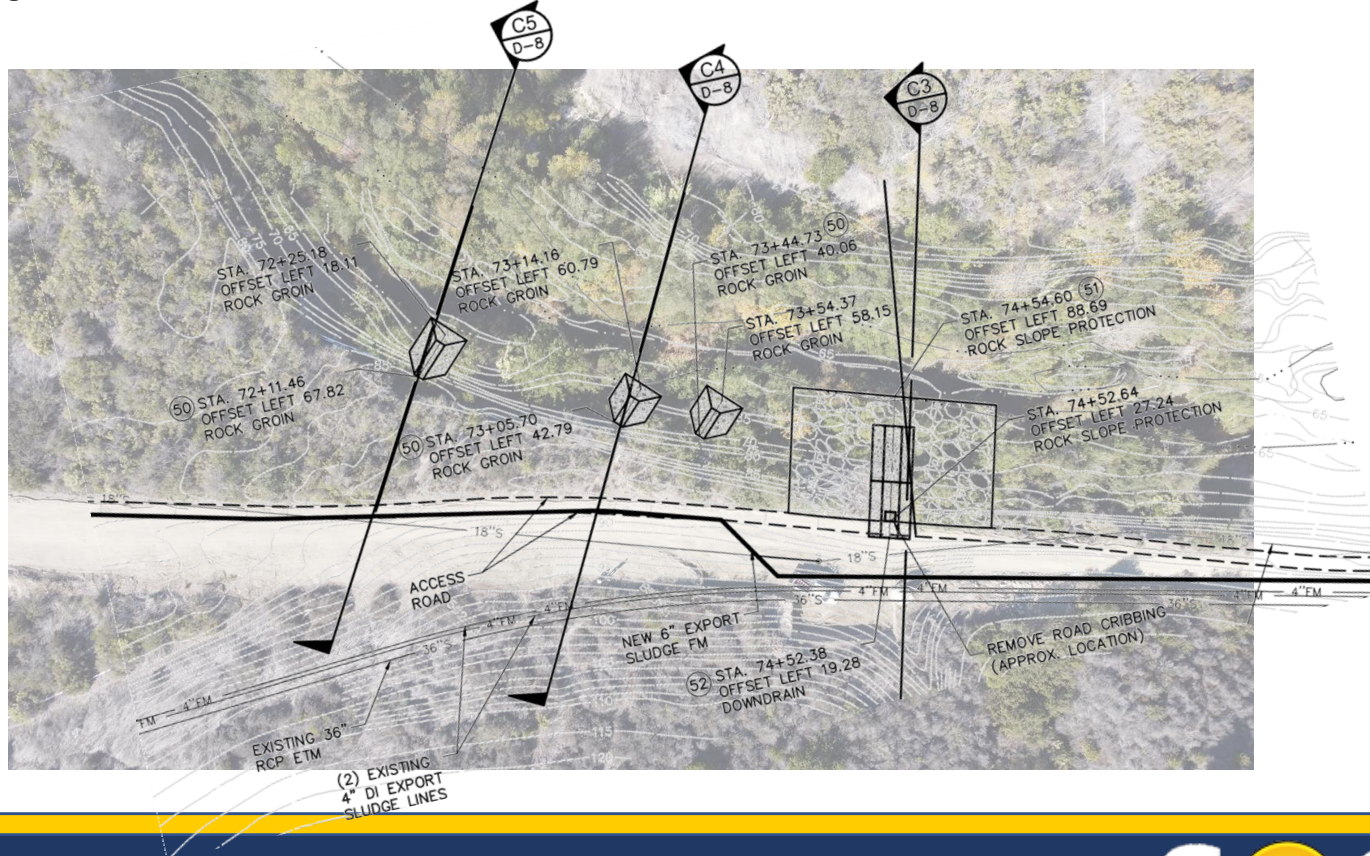


Goal of restoration

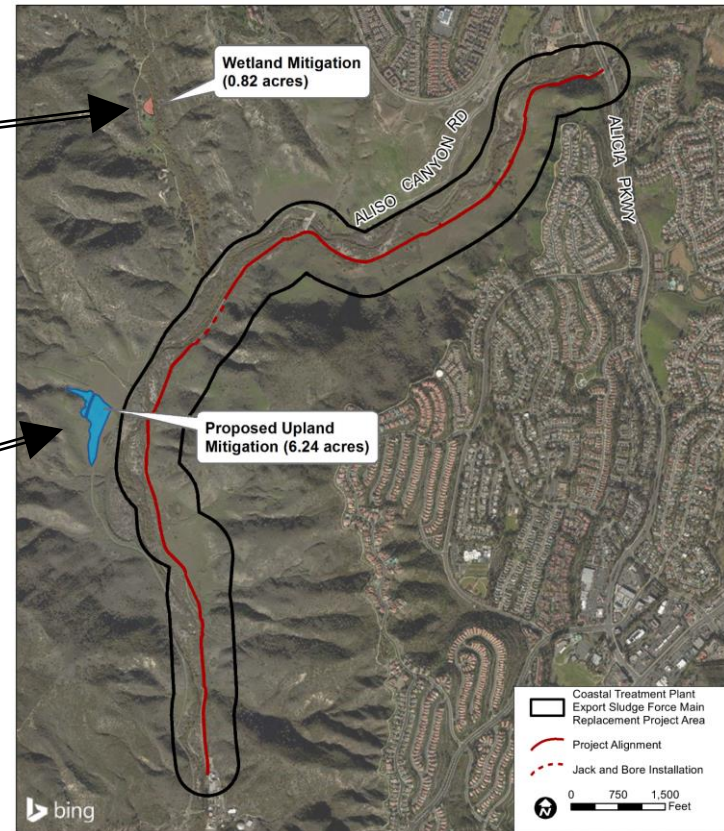
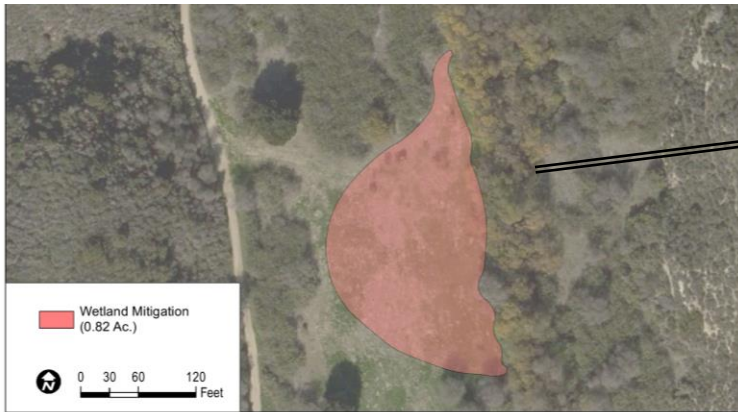


2) Creek Bank Stabilization

Place rock structures along the creek to repair erosion next to the road that contains ETM, sludge force main, and MNWD sewer to CTP.



3&4) Mitigation Sites



Update on the complaint made to the Coastal Commission

- 2/10/22: Public comment complaint
 - Width of construction corridor
 - DG trail and width of new trail
- 2/15/22: SOCWA (David) call with CCC staff
- 2/17/22: SOCWA (Betty and David) met with the Sierra Club at the site
- Ongoing: Requests from the CCC

Next Steps

- Special PC-15 meeting next Thursday (3/17)
 - Approve contracts for restoration (hydroseed)
 - Hydroseed before the end of March
- Continue work on design and permitting of other activities

Item	Activity	Status	Timing
1	Construction Corridor Restoration (Hydroseed)	Ready to Being	March 2022
2	Creek Bank Stabilization	Design/Permitting	2023
3	Upland Mitigation	Design/Permitting	2023
4	Wetlands Mitigation	Design/Permitting	2023

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

March 10, 2022

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on March 10, 2022, 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:

MIKE DUNBAR	Emerald Bay Service District
DAVID SHISSLER	City of Laguna Beach
STEVE MAY	City of San Juan Capistrano [exited @ 9:50 a.m.]
HANNAH FORD	El Toro Water District [exited @ 10:26 a.m.]
KEVIN BURTON	Irvine Ranch Water District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

DAVE REBENS DORF	City of San Clemente
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Staff Present:

BETTY BURNETT	General Manager
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
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accounting
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
TARYN KJOLSING	South Coast Water District
DENNIS CAFFERTY	El Toro Water District
SHERRY WANNINGER	Moulton Niguel Water District
DAVE LARSEN	Moulton Niguel Water District
RICK SHINTAKU	South Coast Water District
CHRIS NEWTON	South Coast Water District

1. Call Meeting to Order

Mr. Burror, Director of Operations, called the meeting to order at 8:46 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Engineering Committee Meeting of February 10, 2022

Mr. Bunts noted a discrepancy in the wording of the Minutes on agenda item 6.

Staff pulled the Minutes to be revised and brought back to the next Engineering Committee meeting for consideration of approval.

4. Operations Report

Mr. Burror, Director of Operations, reported that the J.B. Latham Manway on Digester 1 will be completed this week. He also noted budget information for O&M will be submitted to Finance in the following week. An open discussion ensued.

This was an information item; no action was taken.

5. Capital improvement Construction Projects Report [Project Committees 2 and 15]

ACTION TAKEN by PC 2

Motion was made by Mr. Bunts and seconded by Mr. Serna to recommend that the PC 2 Board of Directors approve Olsson Construction Change Orders for a total of \$160,654.87 and a revised contract value of \$18,698,172.38 for the J.B. Latham Package B project.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent
	Director Woods Aye
	Director Serna Aye
	Director Bunts Aye
	Director May Aye

ACTION TAKEN by PC 15

Motion was made by Mr. Dunbar and seconded by Mr. Shissler to recommend that the PC 15 Board to recommend that the PC 15 Board of Directors approve JR Filanc Change Orders for a total of (\$255,005.69) and 36 days added to the contract and a revised contract value of \$2,953,117.79 for the Coastal Treatment Plant Export Sludge Force Main Replacement project.

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 0
	Director Shissler Aye
	Director Dunbar Aye
	Director Woods Abstain
	Director Serna Aye

ACTION TAKEN by 2

Motion was made by Mr. Bunts and seconded by Mr. Wood to recommend that the PC 2 Board of Directors approve S&S Mechanical Change Order 1 for \$5,503.44 for a total revised contract value of \$217,793.44 for the J.B. Latham Digester 1 and 2 Manway Access Improvements project.

(continuation of agenda item 5)

Motion carried: Aye 4, Nay 0, Abstained 0, Absent
Director Woods Aye
Director Serna Aye
Director Bunts Aye
Director May Aye

6. Aliso Creek Environmental Restoration and Mitigation Update [Project Committee 15]

Mr. Baranowski, Senior Engineer gave a presentation on the restoration and mitigation efforts and creek bank stabilization. He noted that the PC-15 Committee is scheduled to meet on March 17, 2022, to discuss contract approval consideration for Hydroseeding and continued work on design and permitting of other activities. An open discussion ensued.

This was an information item; no action was taken.

7. J.B. Latham Package B [Project Committee 2]

- Solids Contingency Increase

ACTION TAKEN

Motion was made by Mr. Bunts and seconded by Mr. Woods to recommend that the PC 2 Board of Directors approve the addition of \$200,000 of contingency to the J.B. Latham Package B Solids Project (3287-000) for a total Solids contingency of \$1,857,400.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent
Director Woods Aye
Director Serna Aye
Director Bunts Aye
Director May Aye

- Authorization to Issue Change Order Payments for Package B on Engineering Committee Approval

ACTION TAKEN

Motion was made by Mr. Bunts and seconded by Mr. Woods to recommend that the PC-2 Board of Directors authorize the General Manager to issue payments within contingency amounts for Change Orders for Package B work after consideration and approval by the Engineering Committee in order to shorten time for flow of funding to the Contractor.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent
Director Woods Aye
Director Serna Aye
Director Bunts Aye
Director May Aye

8. Draft Capital Budget FY 2022-23

Mr. Burror gave a presentation on the proposed SOCWA CIP Budget for Fiscal Year 2022-2023. He also gave a summary recap of the current status of the CIP Budget for Fiscal Year 2021-2022. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no further business, Mr. Burror adjourned the meeting at 10:37 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 March 10, 2022, 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 Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Financial Reports for the Month of March 2022

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 March 2022 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)
6. Q3 Fringe Pool and Fringe Rate Forecast (Exhibit E-5) (Updated Fringe Rate)

Fiscal impact

March 2022 cash disbursements were: \$ 3,237,151.

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

Recommended Action: The Finance Committee recommends that the Board of Directors ratify the March 2022 disbursements for the period from March 1, 2022, through March 31, 2022, totaling \$3,237,151, and to receive and file the March 2022 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
Summary of Disbursements for March 2022
Staff Recommendation of Fiscal Matters**

	Actual
General Fund	\$ (87,709)
PC 2 - Jay B. Latham Plant	(1,363,621)
PC 5 - San Juan Creek Ocean Outfall	(69,615)
PC 8 - Pretreatment Program	(16,755)
PC 12 SO - Water Reclamation Permits	(995)
PC 15 - Coastal Treatment Plant/AWT	(740,177)
PC 17 - Joint Regional Wastewater Reclamation	(934,468)
PC 21 - Effluent Transmission Main	(289)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(23,523)
Total	\$ (3,237,151)

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of March 31, 2022**

CASH IN BANK: (BEGINNING BAL.)	\$	1,690,752
L.A.I.F. FUNDS: (BEGINNING BAL.)		12,593,673
DEPOSITS, TRANSFERS & ADJUSTMENTS:		1,134,416
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION ¹		(3,237,151)
TOTAL CASH IN BANK	\$	12,181,690

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 04/06/22



PMIA Average Monthly Effective Yields⁽¹⁾

Mar	0.365
Feb	0.278
Jan	0.234

Quarterly Performance Quarter Ended 12/31/21

LAIF Apportionment Rate ⁽²⁾ :	0.23
LAIF Earnings Ratio ⁽²⁾ :	0.00000625812849570
LAIF Fair Value Factor ⁽¹⁾ :	0.997439120
PMIA Daily ⁽¹⁾ :	0.22%
PMIA Quarter to Date ⁽¹⁾ :	0.21%
PMIA Average Life ⁽¹⁾ :	340

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾

02/28/22
\$199.1 billion

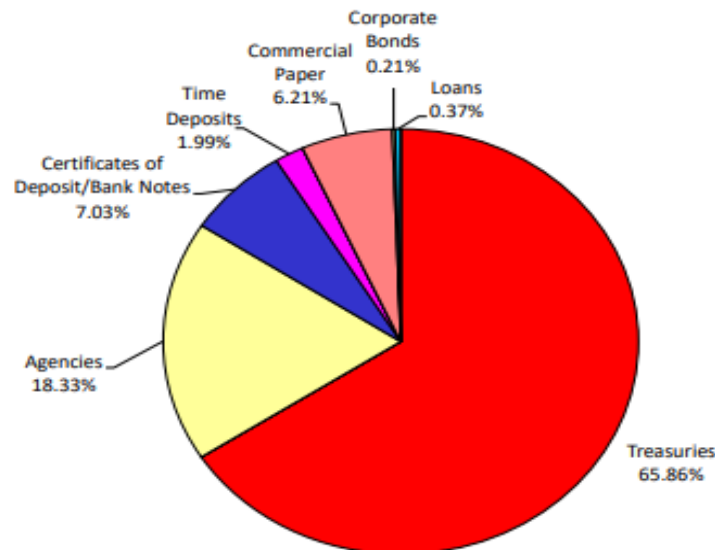


Chart does not include \$5,920,000.00 in mortgages, which equates to 0.003%. Percentages may not total 100% due to rounding.

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 March 31, 2022**

MVA	\$ 9,580	(A)
A/P Checking	1,468,689	(B)
Payroll Checking	142,749	(C)
State LAIF	10,560,673	(D)
Total Cash in Bank¹	\$ 12,181,690	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 12,183,290	
OPEB Trust	6,447,252	(F)
Total Cash and Investments	\$ 18,630,542	

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

Notes:

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

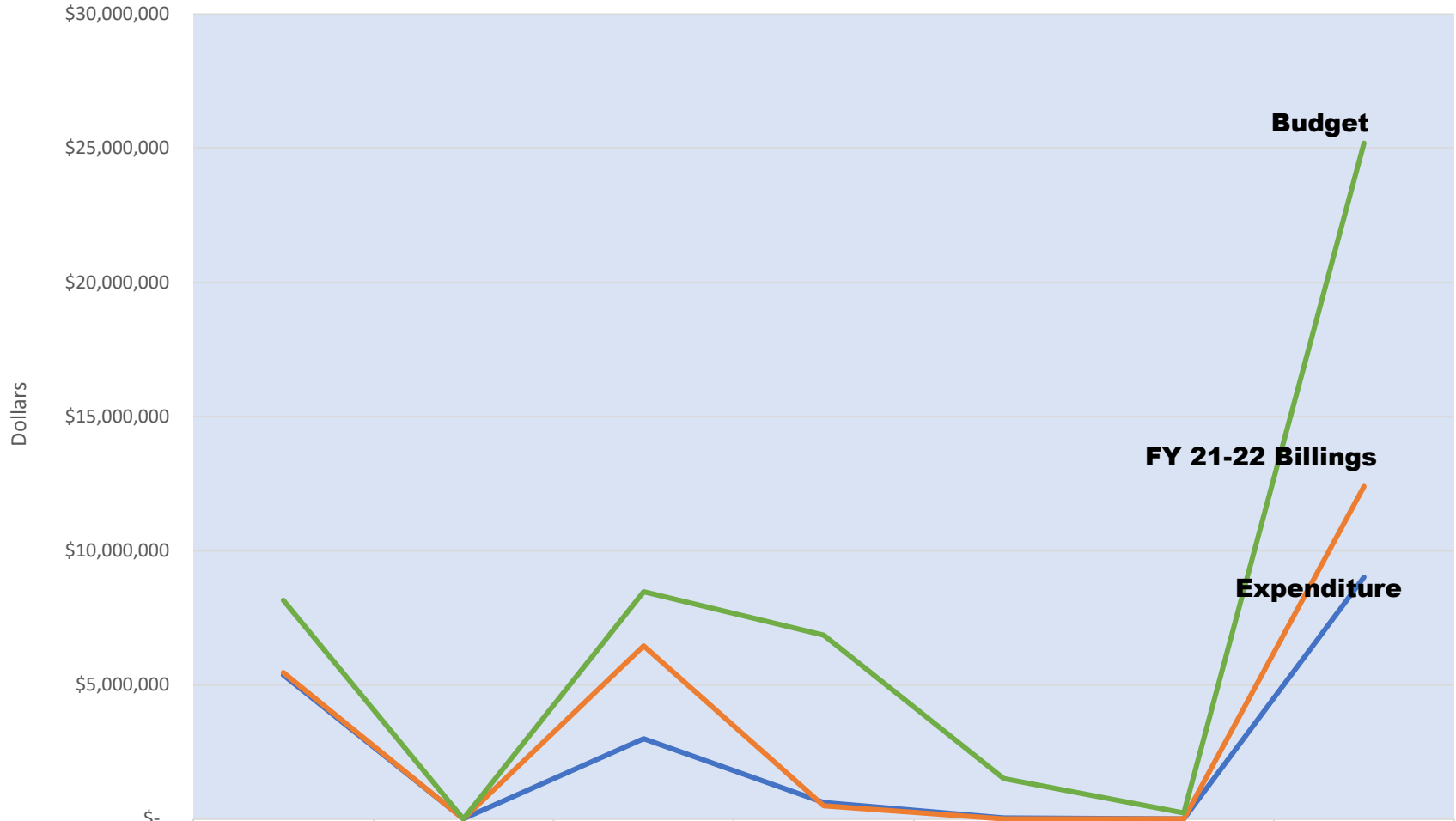
**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended March 31, 2022
(in dollars)**

FY 2021-22 Budget vs. Actual Spending								
<u>Description</u>	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	\$ 5,362,914	\$ 2,791,023	65.8%	\$ 5,452,000	\$ 5,452,000	\$ -	98.4%
PC 5-San Juan Creek Outfall ¹	-	7,904	(7,904)	-	-	-	-	-
PC 15-Coastal	8,464,653	2,991,810	5,472,843	35.3%	6,454,999	6,454,999	-	46.3%
PC 17-Regional	6,851,959	616,050	6,235,909	9.0%	488,249	488,249	-	126.2%
PC 21 Effluent Transmission	1,502,000	35,631	1,466,369	2.4%	-	-	-	-
PC 24 Aliso Creek Outfall	220,000	-	220,000	0.0%	-	-	-	-
Total Large Capital	\$ 25,192,549	\$ 9,014,309	\$ 16,178,240	35.8%	\$ 12,395,248	\$ 12,395,248	\$ -	72.7%
Non-Capital Engineering	405,871	39,798	366,073	9.8%	50,000	50,000	-	79.6%
Non-Capital Misc Engineering	254,500	4,783	249,717	1.9%	59,000	59,000	-	8.1%
Small Internal Capital	2,061,000	926,515	1,134,485	45.0%	1,545,750	1,545,750	-	59.9%
Total Capital	\$ 27,913,920	\$ 9,985,405	\$ 17,928,515	35.8%	\$ 14,049,998	\$ 14,049,998	\$ -	71.1%

¹ PC 5 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 3/31/2022

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 3/31/22	\$5,362,914	7,904.31	\$2,991,810	\$616,050	\$35,630.68	-	\$9,014,309
FY 21-22 Billings	\$5,452,000	-	\$6,454,999	\$488,249	-	-	\$12,395,248
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 March 31, 2022
(in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe						
5000--***	Regular Salaries-O&M		4,847,168	3,293,955	1,553,213	68.0%
5001--***	Overtime Salaries-O&M		107,256	100,088	7,168	93.3%
5306--***	Scheduled Holiday Work		91,000	77,593	13,407	85.3%
5315--***	Comp Time - O&M		15,980	20,890	(4,910)	130.7%
5401--***	Fringe Benefits IN to PC's & Depts.		2,511,460	1,801,205	710,255	71.7%
5700--***	Standby Pay		67,600	50,961	16,639	75.4%
	Total Payroll Costs		7,640,464	5,344,692	2,295,772	70.0%
Other Expenses						
5002--***	Electricity		1,170,780	817,405	353,375	69.8%
5003--***	Natural Gas		226,008	307,237	(81,229)	135.9% (1)
5004--***	Potable & Reclaimed Water		85,000	51,634	33,366	60.7%
5005--***	Co-generation Power Credit		(686,000)	(826,673)	140,673	120.5%
5006--***	Chlorine/Sodium Hypochlorite		502,008	417,783	84,225	83.2%
5007--***	Polymer Products		747,004	577,270	169,734	77.3%
5008--***	Ferric Chloride		588,004	543,471	44,533	92.4%
5009--***	Odor Control Chemicals		107,016	98,595	8,421	92.1%
5010--***	Other Chemicals - Misc.		2,004	-	2,004	-
5011--***	Laboratory Services		65,196	22,852	42,344	35.1%
5012--***	Grit Hauling		120,000	131,669	(11,669)	109.7% (8)
5013--***	Landscaping		219,008	160,194	58,814	73.1%
5015--***	Management Support Services	60,000	535,000	94,153	440,847	17.6%
5016--***	Audit - Environmental		1,304	-	1,304	-
5017--***	Legal Fees	7,070	55,682	44,821	10,861	80.5%
5018--***	Public Notices/ Public Relations		6,000	-	6,000	-
5019--***	Contract Services Misc.		277,016	305,003	(27,987)	110.1%
5021--***	Small Vehicle Expense		23,080	22,865	215	99.1%
5022--***	Miscellaneous Expense		16,012	2,675	13,337	16.7%
5023--***	Office Supplies - All		46,008	18,990	27,018	41.3%
5024--***	Petroleum Products		34,008	11,978	22,030	35.2%
5025--***	Uniforms		70,996	54,012	16,984	76.1%
5026--***	Small Vehicle Fuel		22,656	11,809	10,847	52.1%
5027--***	Insurance - Property/Liability		317,684	409,740	(92,056)	129.0% (2)
5028--***	Small Tools & Supplies		80,000	46,968	33,032	58.7%
5030--***	Trash Disposal		8,500	5,589	2,911	65.8%
5031--***	Safety Program & Supplies		119,344	57,672	61,673	48.3%
5032--***	Equipment Rental		7,004	12,626	(5,622)	180.3%
5033--***	Recruitment		2,500	3,070	(570)	122.8%
5034--***	Travel Expense/Tech. Conferences		29,928	2,717	27,211	9.1%
5035--***	Training Expense		47,996	17,140	30,856	35.7%
5036--***	Laboratory Supplies		124,400	90,517	33,883	72.8%
5037--***	Office Equipment		25,992	15,314	10,678	58.9%
5038--***	Permits		489,996	535,992	(45,996)	109.4% (3)
5039--***	Membership Dues/Fees		17,872	8,694	9,178	48.6%
5044--***	Offshore Monitoring		151,000	65,778	85,222	43.6%
5045--***	Offshore Biochemistry - 20B		23,024	-	23,024	-
5046--***	Effluent Chemistry		70,000	15,601	54,399	22.3%
5047--***	Access Road Expenses		45,000	1,861	43,139	4.1%
5048--***	Storm Damage		21,000	-	21,000	-
5049--***	Biosolids Disposal		1,470,000	1,106,673	363,327	75.3%
5050--***	Contract Services Generators - 29A		28,008	16,884	11,124	60.3%
5052--***	Janitorial Services		101,004	59,890	41,114	59.3%
5053--***	Contract Serv - Digester Cleaning - 29E		60,000	31,306	28,694	52.2%
5054--***	Diesel Truck Maint		42,000	39,633	2,367	94.4%
5055--***	Diesel Truck Fuel		11,500	7,441	4,059	64.7%
5056--***	Maintenance Equip. & Facilities (Solids)		366,000	358,644	7,356	98.0%
5057--***	Maintenance Equip. & Facilities (Liquids)		651,996	465,411	186,585	71.4%
5058--***	Maintenance Equip. & Facilities (Common)		90,008	121,203	(31,195)	134.7% (6)
5059--***	Maintenance Equip. & Facilities (Co-Gen)		738,996	664,416	74,580	89.9%
5060--***	Maintenance Equip. & Facilities (AWT)		88,000	85,972	2,028	97.7%
5061--***	Mileage		3,608	1,419	2,189	39.3%
5068--***	MNWD Potable Water Supplies & Svcs.		28,000	27,311	689	97.5%
5074--***	Education Reimbursement		1,996	101	1,895	5.1%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
 For the Period Ended March 31, 2022
 (in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
-5076-_**_**	SCADA Infrastructure	86,596	86,596	86,411	185	99.8%
-5077-_**_**	IT Direct	5,508	5,508	998	4,510	18.1%
-5105-_**_**	Co-Generation Power Credit - Offset	685,992	685,992	826,673	(140,681)	120.5%
-5303-_**_**	Group Insurance Waiver	14,392	14,392	12,157	2,235	84.5%
-5305-_**_**	Medicare Tax Payments for Employees	2,160	2,160	1,570	590	72.7%
-5309-_**_**	Operating Leases	26,000	26,000	22,350	3,650	86.0%
-5705-_**_**	Monthly Car Allowance	35,396	35,396	27,494	7,902	77.7%
-5799-_**_**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	(14,000)	-	100.0%
-6241-_**_**	Education Reimbursement	-	-	449	(449)	-
-6500-_**_**	IT Allocations in to PC's & Depts.	610,540	610,540	415,505	195,035	68.1%
	Total Other Expenses	10,881,660	10,948,730	8,522,935	2,425,795	77.8%
	Total O&M Expenses	18,522,124	18,589,194	13,867,627	4,721,567	74.6%

* 02/03/2022 Board approved budget amendment for PC 12-Water Reclamation Management Support Services, \$45,000, for Support Services Salt & Nutrient Management Plan.

* 02/03/2022 Board approved budget amendment for PC 2- \$5,000, PC 15- \$5,000, PC 17- \$5,000 Management Support Services, total \$15,000 for CASA Climate Change Program.

* 02/14/2022 PC 23 Committee approved budget amendment for PC 23 - \$7,070, for work performed on the Intertie Project.

- (1) Additional natural gas was used to run the cogeneration system at RTP during warranty repairs on the digester gas cleaning System.
- (2) Property Liability insurance rate increased due to insurers' increases in California.
- (3) Permit fees were received late December, paid in January. Permit fees will be fully expended.
- (4) JBL staff are performing work in solids areas that are usually unavailable during the ongoing Package B Construction Project shutdowns.
- (5) Increased solids from digester cleaning process and upstream treatment plant to JBL.
- (6) The Administrative buildings at JBL and RTP had sewer and water pipes repaired.
- (7) Annual laboratory proficiency testing costs for potable water certification. Costs expected to level out.
- (8) Increased solids from digester cleaning process and upstream treatment plant to JBL.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
 For the Period Ended March 31, 2022
 (in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
02 - Jay B. Latham Plant								
Salary and Fringe								
02-5000-**-**	Regular Salaries-O&M	1,585,228		1,585,228	1,161,013	424,215	73.2%	
02-5001-**-**	Overtime Salaries-O&M	37,904		37,904	56,648	(18,744)	149.5%	
02-5306-**-**	Scheduled Holiday Work	36,600		36,600	29,916	6,684	81.7%	
02-5315-**-**	Comp Time - O&M	8,264		8,264	11,955	(3,691)	144.7%	
02-5401-**-**	Fringe Benefits IN to PC's & Depts.	821,352		821,352	634,866	186,486	77.3%	
02-5700-**-**	Standby Pay	25,096		25,096	20,280	4,816	80.8%	
	Total Payroll Costs	2,514,444	-	2,514,444	1,914,678	599,766	76.1%	
Other Expenses								
02-5002-**-**	Electricity	506,564		506,564	411,398	95,166	81.2%	
02-5003-**-**	Natural Gas	132,160		132,160	151,921	(19,761)	115.0%	(1)
02-5004-**-**	Potable & Reclaimed Water	25,000		25,000	16,669	8,331	66.7%	
02-5006-**-**	Chlorine/Sodium Hypochlorite	8,000		8,000	17,748	(9,748)	221.9%	(1)
02-5007-**-**	Polymer Products	305,000		305,000	252,196	52,804	82.7%	
02-5008-**-**	Ferric Chloride	200,000		200,000	215,749	(15,749)	107.9%	(14)
02-5009-**-**	Odor Control Chemicals	21,004		21,004	25,581	(4,577)	121.8%	(14)
02-5010-**-**	Other Chemicals - Misc.	1,000		1,000	-	1,000	-	
02-5011-**-**	Laboratory Services	19,000		19,000	6,443	12,557	33.9%	
02-5012-**-**	Grit Hauling	55,000		55,000	79,978	(24,978)	145.4%	(2)
02-5013-**-**	Landscaping	77,004		77,004	54,795	22,209	71.2%	
02-5015-**-**	Management Support Services	30,008	5,000	35,008	28,065	6,943	80.2%	
02-5017-**-**	Legal Fees	4,996		4,996	2,482	2,514	49.7%	
02-5019-**-**	Contract Services Misc.	70,636		70,636	101,231	(30,595)	143.3%	(14)
02-5021-**-**	Small Vehicle Expense	11,000		11,000	5,613	5,387	51.0%	
02-5022-**-**	Miscellaneous Expense	8,000		8,000	1,669	6,331	20.9%	
02-5023-**-**	Office Supplies - All	29,000		29,000	9,756	19,244	33.6%	
02-5024-**-**	Petroleum Products	11,004		11,004	-	11,004	-	
02-5025-**-**	Uniforms	33,996		33,996	24,476	9,520	72.0%	
02-5026-**-**	Small Vehicle Fuel	10,004		10,004	4,923	5,081	49.2%	
02-5027-**-**	Insurance - Property/Liability	108,384		108,384	139,791	(31,407)	129.0%	(3)
02-5028-**-**	Small Tools & Supplies	38,000		38,000	14,745	23,255	38.8%	
02-5030-**-**	Trash Disposal	3,000		3,000	2,346	654	78.2%	
02-5031-**-**	Safety Program & Supplies	41,000		41,000	27,924	13,076	68.1%	
02-5032-**-**	Equipment Rental	3,000		3,000	971	2,029	32.4%	
02-5033-**-**	Recruitment	348		348	970	(622)	278.7%	
02-5034-**-**	Travel Expense/Tech. Conferences	9,012		9,012	820	8,192	9.1%	
02-5035-**-**	Training Expense	16,976		16,976	6,259	10,717	36.9%	
02-5036-**-**	Laboratory Supplies	21,004		21,004	12,447	8,557	59.3%	
02-5037-**-**	Office Equipment	13,000		13,000	5,490	7,510	42.2%	
02-5038-**-**	Permits	13,496		13,496	25,292	(11,796)	187.4%	(7)
02-5039-**-**	Membership Dues/Fees	4,516		4,516	2,308	2,208	51.1%	
02-5049-**-**	Biosolids Disposal	620,000		620,000	403,227	216,773	65.0%	
02-5050-**-**	Contract Services Generators - 29A	10,004		10,004	12,739	(2,735)	127.3%	(4)
02-5052-**-**	Janitorial Services	47,000		47,000	30,850	16,150	65.6%	
02-5053-**-**	Contract Serv - Digester Cleaning - 29E	60,000		60,000	31,306	28,694	52.2%	
02-5054-**-**	Diesel Truck Maint	22,000		22,000	16,936	5,064	77.0%	
02-5055-**-**	Diesel Truck Fuel - 37B	2,996		2,996	2,305	691	76.9%	
02-5056-**-**	Maintenance Equip. & Facilities (Solids)	155,000		155,000	172,571	(17,571)	111.3%	(5)
02-5057-**-**	Maintenance Equip. & Facilities (Liquids)	260,000		260,000	134,923	125,077	51.9%	
02-5058-**-**	Maintenance Equip. & Facilities (Common)	29,000		29,000	65,897	(36,897)	227.2%	(6)
02-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	277,120		277,120	233,503	43,617	84.3%	
02-5061-**-**	Mileage	2,104		2,104	685	1,419	32.6%	
02-5076-**-**	SCADA Infrastructure	28,960		28,960	27,137	1,823	93.7%	
02-5077-**-**	IT Direct	2,620		2,620	998	1,622	38.1%	
02-5303-**-**	Group Insurance Waiver	3,596		3,596	4,015	(419)	111.7%	
02-5309-**-**	Operating Leases	26,000		26,000	20,435	5,565	78.6%	
02-5705-**-**	Monthly Car Allowance	22,804		22,804	17,188	5,616	75.4%	
02-5799-**-**	Zephyr Wall Costs Share-O&M	(14,000)		(14,000)	(14,000)	-	100.0%	
02-6500-**-**	IT Allocations in to PC's & Depts.	199,812		199,812	135,980	63,832	68.1%	
	Total Other Expenses	3,585,128	5,000	3,590,128	2,946,750	643,378	82.1%	
	Total Expenses	6,099,572	5,000	6,104,572	4,861,428	1,243,144	79.6%	

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended March 31, 2022
(in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall							
Salary and Fringe							
05-5000-**-**	Regular Salaries-O&M	146,556		146,556	99,315	47,241	67.8%
05-5001-**-**	Overtime Salaries-O&M	72		72	234	(162)	324.7%
05-5306-**-**	Scheduled Holiday Work	416		416	350	66	84.0%
05-5401-**-**	Fringe Benefits IN to PC's & Depts.	75,928		75,928	54,308	21,620	71.5%
	Total Payroll Costs	222,972	-	222,972	154,206	68,766	69.2%
Other Expenses							
05-5015-**-**	Management Support Services	212,500		212,500	36,856	175,644	17.3%
05-5017-**-**	Legal Fees	2,008		2,008	-	2,008	-
05-5026-**-**	Small Vehicle Fuel	500		500	-	500	-
05-5027-**-**	Insurance - Property/Liability	9,668		9,668	12,470	(2,802)	129.0%
05-5031-**-**	Safety Supplies	1,052		1,052	-	1,052	-
05-5033-**-**	Recruitment	556		556	-	556	-
05-5034-**-**	Travel Expense/Tech. Conferences	1,512		1,512	339	1,173	22.4%
05-5035-**-**	Training Expense	1,952		1,952	18	1,935	0.9%
05-5036-**-**	Laboratory Supplies	35,000		35,000	23,257	11,744	66.4%
05-5038-**-**	Permits	228,968		228,968	236,904	(7,936)	103.5%
05-5039-**-**	Membership Dues/Fees	216		216	-	216	-
05-5044-**-**	Offshore Monitoring	75,496		75,496	33,962	41,534	45.0%
05-5045-**-**	Offshore Biochemistry - 20B	11,512		11,512	-	11,512	-
05-5046-**-**	Effluent Chemistry	35,000		35,000	6,998	28,002	20.0%
05-5056-**-**	Maintenance Equip. & Facilities (Solids) 41-A	-		-	572	(572)	-
05-5058-**-**	Maintenance Equip. & Facilities (Common)	1,004		1,004	375	629	37.4%
05-6500-**-**	IT Allocations in to PC's & Depts.	18,464		18,464	12,562	5,902	68.0%
	Total Other Expenses	635,408	-	635,408	364,311	271,097	57.3%
	Total Expenses	858,380	-	858,380	518,518	339,862	60.4%
08 - Pre Treatment							
Salary and Fringe							
08-5000-**-**	Regular Salaries-O&M	117,772		117,772	77,519	40,253	65.8%
08-5401-**-**	Fringe Benefits IN to PC's & Depts.	61,016		61,016	42,389	18,627	69.5%
	Total Payroll Costs	178,788	-	178,788	119,908	58,880	67.1%
Other Expenses							
08-5011-**-**	Laboratory Services	3,200		3,200	405	2,795	12.7%
08-5016-**-**	Audit - Environmental	1,304		1,304	-	1,304	-
08-5017-**-**	Legal Fees	2,596		2,596	294	2,302	11.3%
08-5018-**-**	Public Notices/ Public Relations	6,000		6,000	-	6,000	-
08-5021-**-**	Small Vehicle Expense - 31A	1,076		1,076	-	1,076	-
08-5022-**-**	Miscellaneous Expense	2,008		2,008	41	1,967	2.0%
08-5026-**-**	Small Vehicle Fuel - 37A	1,148		1,148	245	903	21.4%
08-5027-**-**	Insurance - Property/Liability	3,024		3,024	3,900	(876)	129.0%
08-5028-**-**	Small Tools & Supplies	3,000		3,000	2,033	967	67.8%
08-5034-**-**	Travel Expense/Tech. Conferences	2,732		2,732	-	2,732	-
08-5035-**-**	Training Expense	-		-	450	(450)	-
08-5038-**-**	Permits and Fines	3,132		3,132	-	3,132	-
08-5039-**-**	Membership Dues/Fees	-		-	438	(438)	-
08-6500-**-**	IT Allocations in to PC's & Depts.	14,832		14,832	10,095	4,737	68.1%
	Total Other Expenses	44,052	-	44,052	17,902	26,150	40.6%
	Total Expenses	222,840	-	222,840	137,810	85,030	61.8%
12 - Water Reclamation Permits							
Salary and Fringe							
12-5000-**-**	Regular Salaries-O&M	44,808		44,808	14,335	30,473	32.0%
12-5401-**-**	Fringe Benefits IN to PC's & Depts.	23,208		23,208	7,838	15,370	33.8%
	Total Payroll Costs	68,016	-	68,016	22,173	45,843	32.6%
Other Expenses							
12-5015-**-**	Management Support Services	-	45,000	45,000	-	45,000	-
12-5017-**-**	Legal Fees	2,000		2,000	1,983	17	99.2%
12-5027-**-**	Insurance - Property/Liability	5,164		5,164	6,660	(1,496)	129.0%
12-5034-**-**	Travel Expense/Tech. Conferences	920		920	-	920	-
12-5038-**-**	Permits	12,044		12,044	23,783	(11,739)	197.5%
12-5039-**-**	Membership Dues/Fees	68		68	-	68	-
12-6500-**-**	IT Allocations in to PC's & Depts.	5,640		5,640	3,841	1,799	68.1%
	Total Other Expenses	25,836	45,000	70,836	36,267	34,569	51.2%
	Total Expenses	93,852	45,000	138,852	58,440	80,412	42.1%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
 For the Period Ended March 31, 2022
 (in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
15 - Coastal Treatment Plant								
Salary and Fringe								
15-5000-**-**	Regular Salaries-O&M	1,083,504		1,083,504	664,461	419,043	61.3%	
15-5001-**-**	Overtime Salaries-O&M	19,208		19,208	13,171	6,037	68.6%	
15-5306-**-**	Scheduled Holiday Work	15,584		15,584	15,575	9	99.9%	
15-5315-**-**	Comp Time - O&M	2,000		2,000	3,004	(1,004)	150.2%	
15-5401-**-**	Fringe Benefits IN to PC's & Depts.	561,396		561,396	363,341	198,055	64.7%	
15-5700-**-**	Standby Pay	16,504		16,504	6,500	10,004	39.4%	
	Total Payroll Costs	1,698,196	-	1,698,196	1,066,052	632,144	62.8%	
Other Expenses								
15-5002-**-**	Electricity	202,348		202,348	214,338	(11,990)	105.9%	(14)
15-5003-**-**	Natural Gas	2,872		2,872	3,710	(838)	129.2%	(14)
15-5004-**-**	Potable & Reclaimed Water	25,000		25,000	18,330	6,670	73.3%	
15-5006-**-**	Chlorine/Sodium Hypochlorite	94,004		94,004	63,383	30,621	67.4%	
15-5007-**-**	Polymer Products	1,004		1,004	-	1,004	-	
15-5008-**-**	Ferric Chloride	58,000		58,000	60,156	(2,156)	103.7%	(14)
15-5009-**-**	Odor Control Chemicals	51,004		51,004	34,140	16,864	66.9%	
15-5011-**-**	Laboratory Services	20,000		20,000	6,484	13,516	32.4%	
15-5012-**-**	Grit Hauling	23,000		23,000	17,038	5,962	74.1%	
15-5013-**-**	Landscaping	57,000		57,000	40,472	16,528	71.0%	
15-5015-**-**	Management Support Services	10,000	5,000	15,000	1,125	13,875	7.5%	
15-5017-**-**	Legal Fees	30,000		30,000	3,607	26,393	12.0%	
15-5019-**-**	Contract Services Misc.	91,732		91,732	93,161	(1,429)	101.6%	
15-5021-**-**	Small Vehicle Expense	4,004		4,004	5,375	(1,371)	134.2%	
15-5022-**-**	Miscellaneous Expense	1,000		1,000	262	738	26.2%	
15-5023-**-**	Office Supplies - All	4,004		4,004	3,418	586	85.4%	
15-5024-**-**	Petroleum Products	3,000		3,000	3,927	(927)	130.9%	
15-5025-**-**	Uniforms	9,000		9,000	6,232	2,768	69.2%	
15-5026-**-**	Small Vehicle Fuel	2,000		2,000	1,664	336	83.2%	
15-5027-**-**	Insurance - Property/Liability	47,112		47,112	60,764	(13,652)	129.0%	(3)
15-5028-**-**	Small Tools & Supplies	9,000		9,000	3,943	5,057	43.8%	
15-5030-**-**	Trash Disposal	2,996		2,996	1,530	1,466	51.1%	
15-5031-**-**	Safety Supplies	35,000		35,000	6,866	28,134	19.6%	
15-5032-**-**	Equipment Rental	1,000		1,000	-	1,000	-	
15-5033-**-**	Recruitment	312		312	100	212	32.1%	
15-5034-**-**	Travel Expense/Tech. Conferences	5,244		5,244	180	5,064	3.4%	
15-5035-**-**	Training Expense	11,632		11,632	4,073	7,559	35.0%	
15-5036-**-**	Laboratory Supplies	14,000		14,000	16,933	(2,933)	120.9%	
15-5037-**-**	Office Equipment	2,996		2,996	2,315	681	77.3%	
15-5038-**-**	Permits	4,820		4,820	3,895	925	80.8%	
15-5039-**-**	Membership Dues/Fees	4,960		4,960	1,854	3,106	37.4%	
15-5047-**-**	Access Road Expenses	45,000		45,000	1,861	43,139	4.1%	
15-5048-**-**	Storm Damage	21,000		21,000	-	21,000	-	
15-5049-**-**	Biosolids Disposal	-		-	10,308	(10,308)	-	(8)
15-5050-**-**	Contract Services Generators - 29A	5,000		5,000	-	5,000	-	
15-5052-**-**	Janitorial Services	12,004		12,004	9,516	2,488	79.3%	
15-5054-**-**	Diesel Truck Maint - 31B	1,000		1,000	500	500	0.50	
15-5055-**-**	Diesel Truck Fuel - 37B	504		504	-	504	-	
15-5057-**-**	Maintenance Equip. & Facilities (Liquids)	149,996		149,996	156,084	(6,088)	104.1%	
15-5058-**-**	Maintenance Equip. & Facilities (Common)	23,000		23,000	6,927	16,073	30.1%	
15-5060-**-**	Maintenance Equip. & Facilities (AWT)	38,000		38,000	28,764	9,236	75.7%	
15-5061-**-**	Mileage	500		500	100	400	20.1%	
15-5076-**-**	SCADA Infrastructure	28,952		28,952	27,137	1,815	93.7%	
15-5077-**-**	IT Direct	264		264	-	264	-	
15-5303-**-**	Group Insurance Waiver	3,600		3,600	2,852	748	79.2%	
15-5305-**-**	Medicare Tax Payments for Employees	2,160		2,160	1,570	590	72.7%	
15-5705-**-**	Monthly Car Allowance	4,196		4,196	3,166	1,030	75.5%	
15-6500-**-**	IT Allocations in to PC's & Depts.	136,476		136,476	92,880	43,596	68.1%	
	Total Other Expenses	1,299,696	5,000	1,304,696	1,020,941	283,755	78.3%	
	Total Expenses	2,997,892	5,000	3,002,892	2,086,993	915,899	69.5%	

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
 For the Period Ended March 31, 2022
 (in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling						
Salary and Fringe						
17-5000-**-**	Regular Salaries-O&M		1,718,916	1,190,286	528,630	69.2%
17-5001-**-**	Overtime Salaries-O&M		49,452	29,116	20,336	58.9%
17-5306-**-**	Scheduled Holiday Work		38,136	31,403	6,733	82.3%
17-5315-**-**	Comp Time - O&M		5,716	5,931	(215)	103.8%
17-5401-**-**	Fringe Benefits IN to PC's & Depts.		890,632	650,874	239,758	73.1%
17-5700-**-**	Standby Pay		26,000	24,180	1,820	93.0%
	Total Payroll Costs		2,728,852	1,931,790	797,062	70.8%
Other Expenses						
17-5002-**-**	Electricity		461,868	191,669	270,199	41.5%
17-5003-**-**	Natural Gas		90,976	151,606	(60,630)	166.6% (9)
17-5004-**-**	Potable & Reclaimed Water		35,000	16,635	18,365	47.5%
17-5005-**-**	Co-generation Power Credit		(686,000)	(826,673)	140,673	120.5%
17-5006-**-**	Chlorine/Sodium Hypochlorite		400,004	336,652	63,352	84.2%
17-5007-**-**	Polymer Products		441,000	325,074	115,926	73.7%
17-5008-**-**	Ferric Chloride		330,004	267,567	62,437	81.1%
17-5009-**-**	Odor Control Chemicals		35,008	38,874	(3,866)	111.0% (14)
17-5010-**-**	Other Chemicals - Misc.		1,004	-	1,004	-
17-5011-**-**	Laboratory Services		22,996	9,520	13,476	41.4%
17-5012-**-**	Grit Hauling - 21A		42,000	34,653	7,347	82.5%
17-5013-**-**	Landscaping		85,004	64,927	20,077	76.4%
17-5015-**-**	Management Support Services	5,000	14,996	10,625	4,371	70.9%
17-5017-**-**	Legal Fees		5,004	29,392	(24,388)	587.4% (10)
17-5019-**-**	Contract Services Misc.		96,312	110,613	(14,301)	114.8% (14)
17-5021-**-**	Small Vehicle Expense		7,000	11,877	(4,877)	169.7%
17-5022-**-**	Miscellaneous Expense		5,004	703	4,301	14.0%
17-5023-**-**	Office Supplies - All		13,004	5,815	7,189	44.7%
17-5024-**-**	Petroleum Products		20,004	8,051	11,953	40.2%
17-5025-**-**	Uniforms		28,000	23,303	4,697	83.2%
17-5026-**-**	Small Vehicle Fuel		9,004	4,977	4,027	55.3%
17-5027-**-**	Insurance - Property/Liability		135,628	174,929	(39,301)	129.0% (3)
17-5028-**-**	Small Tools & Supplies		30,000	26,246	3,754	87.5%
17-5030-**-**	Trash Disposal		2,504	1,714	790	68.4%
17-5031-**-**	Safety Supplies		41,248	22,882	18,366	55.5%
17-5032-**-**	Equipment Rental		3,004	11,655	(8,651)	388.0%
17-5033-**-**	Recruitment		728	2,000	(1,272)	274.7%
17-5034-**-**	Travel Expense/Tech. Conferences		8,996	689	8,307	7.7%
17-5035-**-**	Training Expense		15,480	6,322	9,158	40.8%
17-5036-**-**	Laboratory Supplies		24,392	14,872	9,520	61.0%
17-5037-**-**	Office Equipment		9,996	7,509	2,487	75.1%
17-5038-**-**	Permits		10,612	26,772	(16,160)	252.3% (7)
17-5039-**-**	Membership Dues/Fees		7,892	4,095	3,797	51.9%
17-5049-**-**	Biosolids Disposal		850,000	693,138	156,862	81.5%
17-5050-**-**	Contract Services Generators - 29A		13,004	4,145	8,859	31.9%
17-5052-**-**	Janitorial Services		42,000	19,524	22,476	46.5%
17-5054-**-**	Diesel Truck Maint		19,000	22,197	(3,197)	116.8%
17-5055-**-**	Diesel Truck Fuel		8,000	5,136	2,864	64.2%
17-5056-**-**	Maintenance Equip. & Facilities (Solids)		211,000	185,500	25,500	87.9% (11)
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)		242,000	174,405	67,595	72.1%
17-5058-**-**	Maintenance Equip. & Facilities (Common)		36,000	48,003	(12,003)	133.3% (12)
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)		461,876	430,914	30,962	93.3%
17-5060-**-**	Maintenance Equip. & Facilities (AWT) 41-E		50,000	57,208	(7,208)	114.4% (15)
17-5061-**-**	Mileage		1,004	634	370	63.1%
17-5068-**-**	MNWD Potable Water Supplies & Svcs.		28,000	27,311	689	97.5% (13)
17-5074-**-**	Education Reimbursement		1,996	101	1,895	5.1%
17-5076-**-**	SCADA Infrastructure		28,684	32,137	(3,453)	112.0%
17-5077-**-**	IT Direct		2,624	-	2,624	-
17-5105-**-**	Co-Generation Power Credit - Offset		685,992	826,673	(140,681)	120.5%
17-5303-**-**	Group Insurance Waiver		7,196	5,289	1,907	73.5%
17-5309-**-**	Operating Leases		-	1,915	(1,915)	-
17-5705-**-**	Monthly Car Allowance		8,396	7,140	1,256	85.0%
17-6241-**-**	Education Reimbursement		-	449	(449)	-
17-6500-**-**	IT Allocations in to PC's & Depts.		216,520	147,348	69,172	68.1%
	Total Other Expenses	5,000	4,660,964	3,804,715	856,249	81.6%
	Total Expenses	5,000	7,389,816	5,736,505	1,653,311	77.6%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended March 31, 2022
(in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main						
Salary and Fringe						
21-5000-**-**	Regular Salaries-O&M		1,088	191	898	17.5%
21-5001-**-**	Overtime Salaries-O&M		-	-	-	-
21-5401-**-**	Fringe Benefits IN to PC's & Depts.		564	104	460	18.5%
	Total Payroll Costs		1,652	295	1,357	17.8%
Other Expenses						
21-5019-**-**	Contract Services Misc.		18,336	-	18,336	-
21-5027-**-**	Insurance - Property/Liability		-	-	-	-
	Total Other Expenses		18,336	-	18,336	0.0%
	Total Expenses		19,988	295	19,693	1.5%
23 - North Coast Interceptor						
Other Expenses						
23-5017-**-**	Legal Fees	7,070	7,070	7,063	7	99.9%
	Total Expenses	7,070	7,070	7,063	7	99.9%
24 - Aliso Creek Ocean Outfall						
Salary and Fringe						
24-5000-**-**	Regular Salaries-O&M		149,296	86,836	62,460	58.2%
24-5001-**-**	Overtime Salaries-O&M		620	920	(300)	148.4%
24-5306-**-**	Scheduled Holiday Work		264	350	(86)	132.4%
24-5401-**-**	Fringe Benefits IN to PC's & Depts.		77,364	47,484	29,880	61.4%
	Total Payroll Costs		227,544	135,590	91,954	59.6%
Other Expenses						
24-5015-**-**	Management Support Services		212,496	17,482	195,014	8.2%
24-5017-**-**	Legal Fees	2,008	2,008	-	2,008	-
24-5027-**-**	Insurance - Property/Liability	8,704	8,704	11,226	(2,522)	129.0%
24-5031-**-**	Safety Supplies	1,044	1,044	-	1,044	-
24-5033-**-**	Recruitment	556	556	-	556	-
24-5034-**-**	Travel Expense/Tech. Conferences	1,512	1,512	689	823	45.6%
24-5035-**-**	Training Expense	1,956	1,956	18	1,939	0.9%
24-5036-**-**	Laboratory Supplies	30,004	30,004	23,009	6,995	76.7%
24-5038-**-**	Permits	216,924	216,924	219,346	(2,422)	101.1%
24-5039-**-**	Membership Dues/Fees	220	220	-	220	-
24-5044-**-**	Offshore Monitoring	75,504	75,504	31,817	43,687	42.1%
24-5045-**-**	Offshore Biochemistry - 20B	11,512	11,512	-	11,512	-
24-5046-**-**	Effluent Chemistry	35,000	35,000	8,603	26,397	24.6%
24-5058-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004	1,004	-	1,004	-
24-6500-**-**	IT Allocations in to PC's & Depts.		18,796	12,798	5,998	68.1%
	Total Other Expenses		617,240	324,988	292,252	52.7%
	Total Expenses		844,784	460,577	384,207	54.5%
	Total O&M Expenses		18,522,124	13,867,629	4,721,565	74.6%

* 02/03/2022 Board approved budget amendment for PC 12-Water Reclamation Management Support Services, \$45,000, for Support Services Salt & Nutrient Management Plan.

* 02/03/2022 Board approved budget amendment for PC 2- \$5,000, PC 15- \$5,000, PC 17- \$5,000 Management Support Services, total \$15,000 for CASA Climate Change Program.

* 02/14/2022 PC 23 Committee approved budget amendment for PC 23 - \$7,070, for work performed on the Intertie Project.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended March 31, 2022

- (1) Increased solids from upstream treatment plants to JBL impacted operational costs.
- (2) Increased solids from digester cleaning process and upstream treatment plant to JBL.
- (3) Property Liability insurance rate increased due to insurers' increases in California.
- (4) Generator services are completed before the rainy season each year and are nearly complete for the Fiscal Year.
- (5) JBL staff are performing work in solids areas that are usually unavailable during the ongoing Package B Construction Project shutdowns.
- (6) The Administrative buildings at JBL and RTP had sewer and water pipes repaired.
- (7) Increased permit fees reported to the Board November 2021. No further increases this fiscal year.
- (8) Contaminated soils from the May and June sludge lines leaks were dried and disposed of as Biosolids.
- (9) Additional natural gas was used to run the cogeneration system at RTP during warranty repairs on the digester gas cleaning System.
- (10) Cost associated with BKK Landfill matter
- (11) Several failed RTP digester gas valves were isolated and replaced by specialty contractor.
- (12) Emergency repair for failed water line at RTP.
- (13) Annual laboratory proficiency testing costs for potable water certification. Costs expected to level out.
- (14) Costs elevated due to contract increases.
- (15) Additional valves failed ahead of the upcoming rehabilitation project.

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

For the Period Ended March 31, 2022
(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	99,525	76,402	56.6%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	91,154	54,422	36,732	59.7%
	Total Payroll Costs	267,081	153,947	113,134	57.6%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	479	2,705	15.1%
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	1,223	154	88.8%
01-5061-03-00-00	Mileage	510	57	453	11.1%
01-5309-03-00-00	Operating Leases	9,300	-	9,300	-
01-5705-03-00-00	Monthly Car Allowance	4,200	2,294	1,906	54.6%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,293	37,308	16,986	68.7%
	Total Other Expenses	82,781	41,360	41,421	50.0%
	Total Engineering Expenses	349,863	195,308	154,555	55.8%

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
 For the Period Ended March 31, 2022
 (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	703,603	294,821	70.5%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	22,902	(12,902)	229.0% (1)
01-6315-04-00-00	Comp Time - Admin	5,000	2,626	2,374	52.5%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	517,316	384,745	132,572	74.4%
	Total Payroll Costs	1,530,740	1,113,875	416,865	72.8%
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	15,937	8,413	65.5%
01-6102-04-00-00	Subscriptions	2,081	2,125	(44)	102.1%
01-6103-04-00-00	Contract Labor	50,000	20,383	29,617	40.8%
01-6200-04-00-00	Management Support Services	90,000	26,135	63,865	29.0%
01-6201-04-00-00	Audit	46,000	32,500	13,500	70.7%
01-6202-04-00-00	Legal	220,000	212,242	7,758	96.5%
01-6204-04-00-00	Postage	1,500	1,081	419	72.1%
01-6223-04-00-00	Office Supplies - Admin	4,500	1,287	3,213	28.6%
01-6224-04-00-00	Office Equipment Admin or IT	1,200	3,994	(2,794)	332.8% (2)
01-6234-04-00-00	Memberships & Trainings	88,000	106,549	(18,549)	121.1%
01-6239-04-00-00	Travel & Conference	11,000	9,968	1,032	90.6%
01-6241-04-00-00	Education Reimbursement	1,500	904	596	60.3%
01-6310-04-00-00	Miscellaneous	18,000	16,085	1,915	89.4%
01-6311-04-00-00	Mileage	1,236	148	1,087	12.0%
01-6317-04-00-00	Contract Services Misc	5,722	4,296	1,426	75.1%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	125,761	85,586	40,175	68.1%
01-6601-04-00-00	Shipping/Freight	3,815	3,130	685	82.0%
01-6705-04-00-00	Monthly Car Allowance	12,000	9,046	2,954	75.4%
	Total Other Expenses	709,934	551,396	158,538	77.7%
Total Admin Expenses		2,240,674	1,665,271	575,403	74.3%

- (1) Additional information requests and Meeting schedules are impacting need for overtime work.
- (2) Planned purchase of ergonomic chairs; expenditures will level off.

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
 For the Period Ended March 31, 2022
 (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	78,391	21,685	78.3%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	51,852	42,866	8,986	82.7%
	Total Salary & Fringe	151,928	121,256	30,672	79.8%
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	1,725	1,275	57.5%
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	19,005	22,021	46.3%
01-6301-05-00-00	Hardware Maintenance Agreements	14,726	4,937	9,789	33.5%
01-6302-05-00-00	Cloud Subscriptions (Internet)	177,328	154,479	22,849	87.1%
01-6303-05-00-00	Telecommunications	165,582	125,957	39,625	76.1%
01-6305-05-00-00	IT Professional Services	92,400	30,441	61,959	32.9%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	40,985	9,142	31,843	22.3%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	28,968	23,789	5,179	82.1%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	46,184	17,989	72.0%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
01-6312-05-00-00	Computer & Photocopy Supplies	-	1,282	(1,282)	-
	Total Other Expenses	639,198	417,142	222,056	65.3%
	Total Expenses before Allocation	791,126	538,398	252,728	68.1%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(791,126)	(538,398)	(252,728)	68.1%
	Total IT Allocations (Out) to PC's & Depts	(791,126)	(538,398)	(252,728)	68.1%

**South Orange County Wastewater Authority
FY 2021-22 Fringe Benefits Pool and Rate Q3 Forecast**

The Fringe Rate will increase from Budgeted 51.8% to 54.7% primarily due to a lower Labor Base										
	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2021-22		
	Actual	Actual	Actual	Actual	Actual	Actual	Budget	Forecast	\$Change	%Change
457 Plan - Employer Contributions (41 Participants)	\$13,821	\$83,925	\$75,524	\$64,550	\$74,097	\$72,639	\$80,000	\$80,000	\$0	
Accrued Administrative Leave	34,879	30,478	23,929	26,567	47,949	33,434	36,694	29,889	(6,805)	-18.5%
Accrued Holiday	221,783	220,371	234,247	244,674	251,092	262,771	296,993	258,085	(38,908)	-13.1%
Accrued Personal Leave	74,238	76,638	83,205	87,369	97,085	81,137	100,213	86,028	(14,185)	-14.2%
COVID 19 Federal Leave						44,236		1,533	1,533	
COVID 19 State Leave						15,910		25,000	25,000	
Accrued Sick Pay	242,262	262,987	204,767	274,389	233,159	289,940	316,082	277,208	(38,874)	-12.3%
Accrued Vacation	372,526	416,343	345,815	419,442	383,841	382,525	408,565	356,221	(52,345)	-12.8%
Bereavement Pay	1,345	8,088	10,892	10,820	9,043	12,149	8,700	11,000	2,300	26.4%
Jury Duty			5,817	3,149	5,156	1,005	5,000	3,500	(1,500)	-30.0%
Disability Insurance - Private	51,728	56,122	57,924	56,713	61,659	61,468	64,736	62,294	(2,442)	-3.8%
Group Medical Insurance	948,341	1,017,679	864,239	918,687	902,394	959,986	1,037,624	1,032,604	(5,020)	-0.5%
Medicare Tax - Employer	94,167	94,550	96,326	100,314	104,441	104,289	108,056	104,046	(4,010)	-3.7%
Retiree Health Savings Program (RHS)			17,800	29,600	39,600	48,000	55,200	55,200	0	0.0%
Retiree Health PARS Investment	500,000	504,000	210,000						0	
¹ Retiree Health Benefits	281,389	384,936	354,582	423,438	456,943				0	
Retirement - PERS Normal Costs	517,823	500,175	504,975	570,071	584,043	640,736	633,939	627,406	(6,534)	-1.0%
¹ Retirement - PERS Unfunded Liability	432,628	499,903	599,849	743,843	867,337				0	
Unemployment Ins./Reimbursement	1,378	1,234		11,608			1,000		(1,000)	-100.0%
Workers Compensation Ins.	76,883	212,990	233,538	159,452	192,000	121,937	153,353	183,038	29,685	19.4%
Total O&M Budget Fringe Benefits Pool	\$3,865,192	\$4,370,418	\$3,923,431	\$4,144,686	\$4,309,837	\$3,132,163	\$3,306,155	\$3,193,051	(\$113,104)	-3.4%
Change in Fringe Pool		13.1%	-10.2%	5.6%	4.0%	-27.3%	5.6%	-3.4%		
Pay for Time Worked Labor Base(Regular Salaries)										
O&M including CIP Labor	\$3,184,417	\$3,224,868	\$3,282,424	\$3,451,281	\$3,402,166	\$3,752,079	3,453,754	(298,325)	-8.0%	
Environmental	815,299	789,929	827,189	933,333	955,618	1,095,082	963,187	(131,895)	-12.0%	
Engineering including CIP Labor	305,422	377,076	396,554	397,732	428,407	435,220	379,696	(55,524)	-12.8%	
Admin	695,744	857,635	896,766	934,332	899,005	998,424	938,137	(60,286)	-6.0%	
IT	44,447	84,015	85,028	92,851	99,833	100,075	104,521	4,446	4.4%	
Total Pay for Time Worked Labor Base	\$4,976,917	\$5,045,329	\$5,333,523	\$5,487,962	\$5,809,528	\$5,785,029	\$6,380,880	5,839,295	(\$541,585)	-8.5%
Fringe Rate	78%	86.6%	73.6%	75.5%	74.2%	54.1%	51.8%	54.7%		
Change in Labor Base		1.4%	5.7%	2.9%	5.9%	-0.4%	10.3%	-8.5%		

¹Retiree Health (OPEB) Pay-Go expenses and Unfunded Pension Liability (UAL) removed from Fringe Pool and Distributed by Member Agency based on the Board Approved Actuarial Methodology.

Agenda Item

6.F.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Financial Reports for the Month of April 2022

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 April 2022 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

Fiscal impact

April 2022 cash disbursements were: \$ 2,687,927.

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

Recommended Action: The Finance Committee recommends that the Board of Directors ratify the April 2022 disbursements for the period from April 1, 2022, through April 30, 2022, totaling \$2,687,927, and to receive and file the April 2022 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
Summary of Disbursements for April 2022
Staff Recommendation of Fiscal Matters**

	<u>Actual</u>
General Fund	\$ (94,501)
PC 2 - Jay B. Latham Plant	(1,279,103)
PC 5 - San Juan Creek Ocean Outfall	(26,453)
PC 8 - Pretreatment Program	(24,133)
PC 12 SO - Water Reclamation Permits	(4,589)
PC 15 - Coastal Treatment Plant/AWT	(285,258)
PC 17 - Joint Regional Wastewater Reclamation	(939,989)
PC 21 - Effluent Transmission Main	(3,932)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(29,968)
Total	<u><u>\$ (2,687,927)</u></u>

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of April 30, 2022**

CASH IN BANK: (BEGINNING BAL.)	\$ 1,621,017
L.A.I.F. FUNDS: (BEGINNING BAL.)	10,560,673
DEPOSITS, TRANSFERS & ADJUSTMENTS:	975,280
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION ¹	<u>(2,687,927)</u>
TOTAL CASH IN BANK	<u><u>\$ 10,469,043</u></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 04/15/22



PMIA Average Monthly Effective Yields⁽¹⁾

Mar	0.365
Feb	0.278
Jan	0.234

Quarterly Performance Quarter Ended 03/31/22

LAIF Apportionment Rate ⁽²⁾ :	0.32
LAIF Earnings Ratio ⁽²⁾ :	0.00000875657176851
LAIF Fair Value Factor ⁽¹⁾ :	0.988753538
PMIA Daily ⁽¹⁾ :	0.42%
PMIA Quarter to Date ⁽¹⁾ :	0.29%
PMIA Average Life ⁽¹⁾ :	310

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 03/31/22 \$207.9 billion

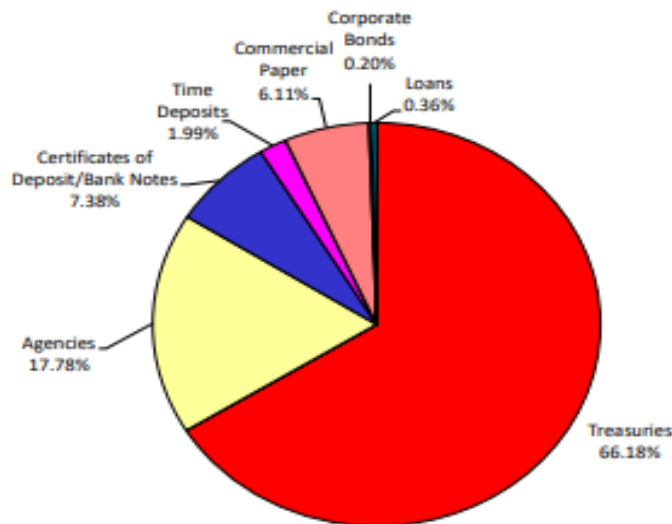


Chart does not include \$5,704,000.00 in mortgages, which equates to 0.003%. Percentages may not total 100% due to rounding.

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 April 30, 2022**

MVA	\$ 120,905	(A)
A/P Checking	1,216,010	(B)
Payroll Checking	118,794	(C)
State LAIF	9,013,334	(D)
Total Cash in Bank¹	\$ 10,469,043	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 10,470,643	
OPEB Trust	6,459,786	(F)
Total Cash and Investments	\$ 16,930,428	

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

Notes:

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

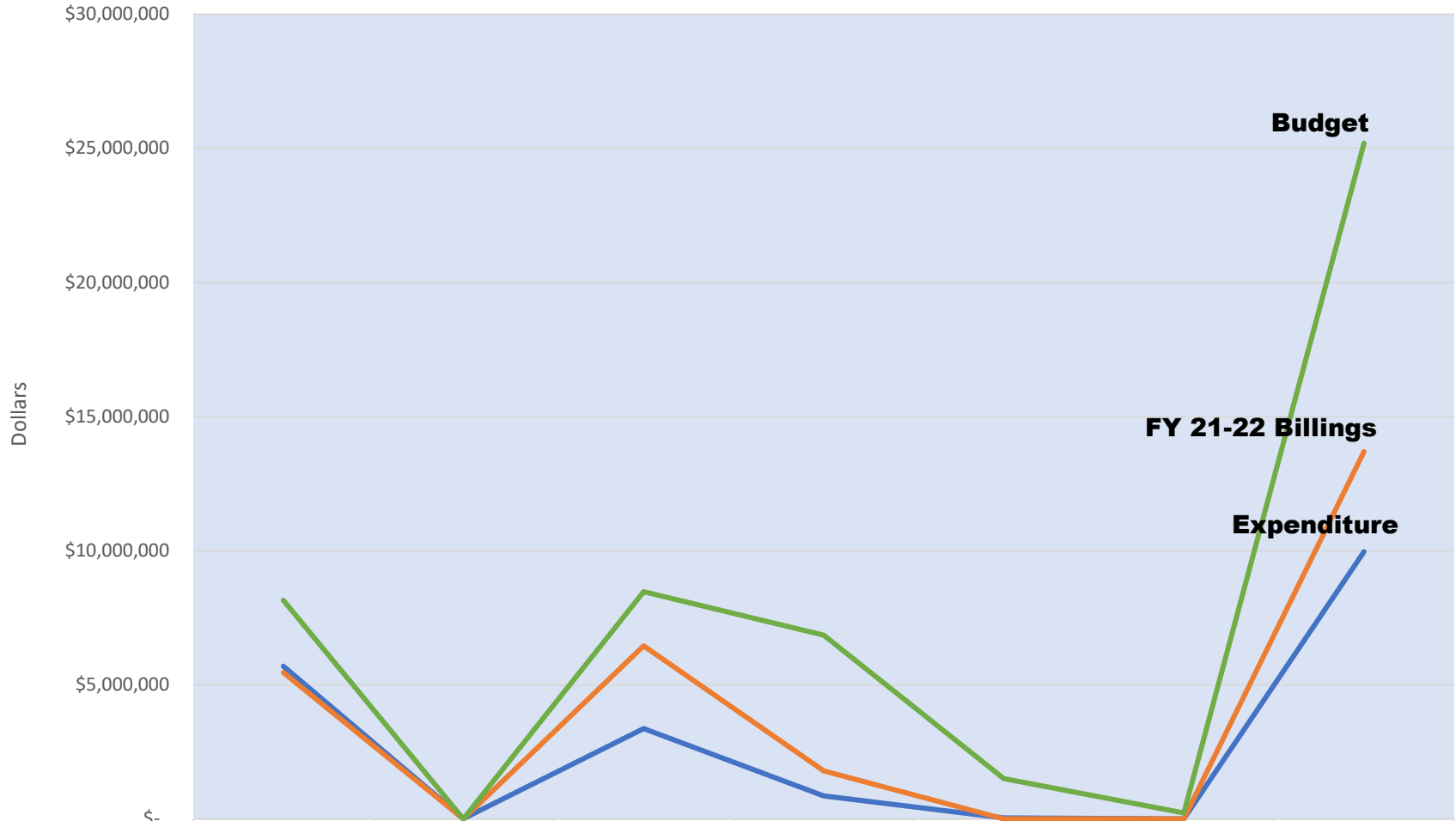
**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended April 30, 2022
(in dollars)**

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	\$ 5,694,979	\$ 2,458,958	69.8%	\$ 5,452,000	\$ 5,452,000	\$ -	104.5%
PC 5-San Juan Creek Outfall ¹	-	7,904	(7,904)	-	-	-	-	-
PC 15-Coastal	8,464,653	3,362,294	5,102,359	39.7%	6,454,999	6,454,999	-	52.1%
PC 17-Regional	6,851,959	861,928	5,990,031	12.6%	1,788,249	488,249	1,300,000	48.2%
PC 21 Effluent Transmission	1,502,000	36,738	1,465,262	2.4%	-	-	-	-
PC 24 Aliso Creek Outfall	220,000	-	220,000	0.0%	-	-	-	-
Total Large Capital	\$ 25,192,549	\$ 9,963,843	\$ 15,228,706	39.6%	\$ 13,695,248	\$ 12,395,248	\$ 1,300,000	72.8%
Non-Capital Engineering	405,871	40,829	365,042	10.1%	100,000	58,265	41,735	40.8%
Non-Capital Misc Engineering	254,500	4,778	249,723	1.9%	104,000	65,143	38,857	4.6%
Small Internal Capital	2,061,000	955,751	1,105,249	46.4%	2,061,000	1,627,701	433,299	46.4%
Total Capital	\$ 27,913,920	\$ 10,965,201	\$ 16,948,719	39.3%	\$ 15,960,248	\$ 14,146,357	\$ 1,813,891	68.7%

¹ PC 5 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 4/30/2022

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 4/30/22	\$5,694,979	7,904.31	\$3,362,294	\$861,928	\$36,737.74	-	\$9,963,843
FY 21-22 Billings	\$5,452,000	-	\$6,454,999	\$1,788,249	-	-	\$13,695,248
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 April 30, 2022
(in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe								
-5000-*.**	Regular Salaries-O&M	4,847,168		4,847,168	3,673,559	1,173,609	75.8%	
-5001-*.**	Overtime Salaries-O&M	107,256		107,256	106,646	610	99.4%	
-5306-*.**	Scheduled Holiday Work	91,000		91,000	77,593	13,407	85.3%	
-5315-*.**	Comp Time - O&M	15,980		15,980	22,629	(6,649)	141.6%	
-5401-*.**	Fringe Benefits IN to PC's & Depts.	2,511,460		2,511,460	2,008,780	502,680	80.0%	
-5700-*.**	Standby Pay	67,600		67,600	56,421	11,179	83.5%	
	Total Payroll Costs	7,640,464	-	7,640,464	5,945,628	1,694,836	77.8%	
Other Expenses								
-5002-*.**	Electricity	1,170,780		1,170,780	973,714	197,066	83.2%	(8)
-5003-*.**	Natural Gas	226,008		226,008	326,155	(100,147)	144.3%	(1) (8)
-5004-*.**	Potable & Reclaimed Water	85,000		85,000	54,730	30,270	64.4%	
-5005-*.**	Co-generation Power Credit	(686,000)		(686,000)	(896,673)	210,673	130.7%	
-5006-*.**	Chlorine/Sodium Hypochlorite	502,008		502,008	482,291	19,717	96.1%	(8)
-5007-*.**	Polymer Products	747,004		747,004	660,854	86,150	88.5%	
-5008-*.**	Ferric Chloride	588,004		588,004	565,581	22,423	96.2%	(8)
-5009-*.**	Odor Control Chemicals	107,016		107,016	93,986	13,030	87.8%	(8)
-5010-*.**	Other Chemicals - Misc.	2,004		2,004	-	2,004	-	
-5011-*.**	Laboratory Services	65,196		65,196	24,524	40,672	37.6%	
-5012-*.**	Grit Hauling	120,000		120,000	148,598	(28,598)	123.8%	(7) (8)
-5013-*.**	Landscaping	219,008		219,008	174,839	44,169	79.8%	
-5015-*.**	Management Support Services	475,000	60,000	535,000	95,773	439,227	17.9%	
-5016-*.**	Audit - Environmental	1,304		1,304	-	1,304	-	
-5017-*.**	Legal Fees	48,612	7,070	55,682	50,519	5,163	90.7%	(8)
-5018-*.**	Public Notices/ Public Relations	6,000		6,000	-	6,000	-	
-5019-*.**	Contract Services Misc.	277,016		277,016	273,924	3,092	98.9%	
-5021-*.**	Small Vehicle Expense	23,080		23,080	25,429	(2,349)	110.2%	
-5022-*.**	Miscellaneous Expense	16,012		16,012	3,310	12,702	20.7%	
-5023-*.**	Office Supplies - All	46,008		46,008	20,920	25,088	45.5%	
-5024-*.**	Petroleum Products	34,008		34,008	14,172	19,836	41.7%	
-5025-*.**	Uniforms	70,996		70,996	61,118	9,878	86.1%	
-5026-*.**	Small Vehicle Fuel	22,656		22,656	13,855	8,801	61.2%	
-5027-*.**	Insurance - Property/Liability	317,684		317,684	410,061	(92,377)	129.1%	(2) (8)
-5028-*.**	Small Tools & Supplies	80,000		80,000	56,785	23,215	71.0%	
-5030-*.**	Trash Disposal	8,500		8,500	5,595	2,905	65.8%	
-5031-*.**	Safety Program & Supplies	119,344		119,344	62,502	56,842	52.4%	
-5032-*.**	Equipment Rental	7,004		7,004	12,626	(5,622)	180.3%	
-5033-*.**	Recruitment	2,500		2,500	3,070	(570)	122.8%	
-5034-*.**	Travel Expense/Tech. Conferences	29,928		29,928	6,259	23,669	20.9%	
-5035-*.**	Training Expense	47,996		47,996	22,105	25,891	46.1%	
-5036-*.**	Laboratory Supplies	124,400		124,400	94,514	29,886	76.0%	
-5037-*.**	Office Equipment	25,992		25,992	15,864	10,128	61.0%	
-5038-*.**	Permits	489,996		489,996	543,404	(53,408)	110.9%	(3) (8)
-5039-*.**	Membership Dues/Fees	17,872		17,872	9,556	8,316	53.5%	
-5044-*.**	Offshore Monitoring	151,000		151,000	68,415	82,585	45.3%	
-5045-*.**	Offshore Biochemistry - 20B	23,024		23,024	-	23,024	-	
-5046-*.**	Effluent Chemistry	70,000		70,000	17,021	52,979	24.3%	
-5047-*.**	Access Road Expenses	45,000		45,000	1,861	43,139	4.1%	
-5048-*.**	Storm Damage	21,000		21,000	-	21,000	-	
-5049-*.**	Biosolids Disposal	1,470,000		1,470,000	1,239,962	230,038	84.4%	(8)
-5050-*.**	Contract Services Generators - 29A	28,008		28,008	16,884	11,124	60.3%	
-5052-*.**	Janitorial Services	101,004		101,004	65,835	35,169	65.2%	
-5053-*.**	Contract Serv - Digester Cleaning - 29E	60,000		60,000	31,306	28,694	52.2%	(8)
-5054-*.**	Diesel Truck Maint	42,000		42,000	16,108	25,892	38.4%	
-5055-*.**	Diesel Truck Fuel	11,500		11,500	9,088	2,412	79.0%	
-5056-*.**	Maintenance Equip. & Facilities (Solids)	366,000		366,000	368,613	(2,613)	100.7%	(4) (8)
-5057-*.**	Maintenance Equip. & Facilities (Liquids)	651,996		651,996	507,377	144,619	77.8%	
-5058-*.**	Maintenance Equip. & Facilities (Common)	90,008		90,008	120,125	(30,117)	133.5%	(5) (8)
-5059-*.**	Maintenance Equip. & Facilities (Co-Gen)	738,996		738,996	673,869	65,127	91.2%	
-5060-*.**	Maintenance Equip. & Facilities (AWT)	88,000		88,000	86,174	1,826	97.9%	
-5061-*.**	Mileage	3,608		3,608	1,488	2,120	41.3%	
-5068-*.**	MNWD Potable Water Supplies & Svcs.	28,000		28,000	27,793	207	99.3%	(6)
-5074-*.**	Education Reimbursement	1,996		1,996	101	1,895	5.1%	

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended April 30, 2022
(in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
-5076--**	SCADA Infrastructure	86,596	86,596	81,411	5,185	94.0%
-5077--**	IT Direct	5,508	5,508	998	4,510	18.1%
-5105--**	Co-Generation Power Credit - Offset	685,992	685,992	896,673	(210,681)	130.7%
-5303--**	Group Insurance Waiver	14,392	14,392	13,611	781	94.6%
-5305--**	Medicare Tax Payments for Employees	2,160	2,160	1,713	447	79.3%
-5309--**	Operating Leases	26,000	26,000	24,992	1,008	96.1%
-5705--**	Monthly Car Allowance	35,396	35,396	30,354	5,042	85.8%
-5799--**	Zephyr Wall Costs Share-O&M	(14,000)	(14,000)	(14,000)	-	100.0%
-6241--**	Education Reimbursement	-	-	449	(449)	-
-6500--**	IT Allocations in to PC's & Depts.	610,540	610,540	450,091	160,449	73.7%
	Total Other Expenses	10,881,660	10,948,730	9,148,274	1,800,456	83.6%
	Total O&M Expenses	18,522,124	18,589,194	15,093,902	3,495,292	81.2%

- * 02/03/2022 Board approved budget amendment for PC 12-Water Reclamation Management Support Services, \$45,000, for Support Services Salt & Nutrient Management Plan.
- * 02/03/2022 Board approved budget amendment for PC 2- \$5,000, PC 15- \$5,000, PC 17- \$5,000 Management Support Services, total \$15,000 for CASA Climate Change Program.
- * 02/14/2022 PC 23 Committee approved budget amendment for PC 23 - \$7,070, for work performed on the Intertie Project.

- (1) Additional natural gas was used to run the cogeneration system at RTP during warranty repairs on the digester gas cleaning System.
- (2) Property Liability insurance rate increased due to insurers' increases in California.
- (3) Permit fees were received late December, paid in January. Permit fees will be fully expended.
- (4) Increased solids maintenance due to digester cleaning process and upstream treatment plant to JBL.
- (5) The Administrative buildings at JBL and RTP had sewer and water pipes repaired.
- (6) Annual laboratory proficiency testing costs for potable water certification. Costs expected to level out.
- (7) Increased grit from digester cleaning process and upstream treatment plant to JBL.
- (8) Finance Committee recommended to the Board from the 4/19/2022 Meeting a Budget Adjustment that will be considered at the May 12, 2022 Board Meeting

**South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC**
For the Period Ended April 30, 2022
(in dollars)

	FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant						
Salary and Fringe						
02-5000.**.**	Regular Salaries-O&M		1,585,228	1,295,928	289,300	81.8%
02-5001.**.**	Overtime Salaries-O&M		37,904	60,206	(22,302)	158.8%
02-5306.**.**	Scheduled Holiday Work		36,600	29,916	6,684	81.7%
02-5315.**.**	Comp Time - O&M		8,264	12,890	(4,626)	156.0%
02-5401.**.**	Fringe Benefits IN to PC's & Depts.		821,352	708,641	112,711	86.3%
02-5700.**.**	Standby Pay		25,096	22,945	2,151	91.4%
	Total Payroll Costs		2,514,444	2,130,526	383,918	84.7%
Other Expenses						
02-5002.**.**	Electricity		506,564	464,743	41,821	91.7% (16)
02-5003.**.**	Natural Gas		132,160	168,991	(36,831)	127.9% (1) (16)
02-5004.**.**	Potable & Reclaimed Water		25,000	18,896	6,104	75.6%
02-5006.**.**	Chlorine/Sodium Hypochlorite		8,000	18,579	(10,579)	232.2% (1) (16)
02-5007.**.**	Polymer Products		305,000	263,833	41,167	86.5%
02-5008.**.**	Ferric Chloride		200,000	208,106	(8,106)	104.1% (14) (16)
02-5009.**.**	Odor Control Chemicals		21,004	22,997	(1,993)	109.5% (14) (16)
02-5010.**.**	Other Chemicals - Misc.		1,000	-	1,000	-
02-5011.**.**	Laboratory Services		19,000	6,443	12,557	33.9%
02-5012.**.**	Grit Hauling		55,000	87,962	(32,962)	159.9% (2) (16)
02-5013.**.**	Landscaping		77,004	59,677	17,327	77.5%
02-5015.**.**	Management Support Services	5,000	30,008	29,685	5,323	84.8%
02-5017.**.**	Legal Fees		4,996	3,092	1,904	61.9%
02-5019.**.**	Contract Services Misc.		70,636	89,873	(19,237)	127.2% (14)
02-5021.**.**	Small Vehicle Expense		11,000	8,088	2,912	73.5%
02-5022.**.**	Miscellaneous Expense		8,000	1,666	6,334	20.8%
02-5023.**.**	Office Supplies - All		29,000	10,983	18,017	37.9%
02-5024.**.**	Petroleum Products		11,004	-	11,004	-
02-5025.**.**	Uniforms		33,996	27,362	6,634	80.5%
02-5026.**.**	Small Vehicle Fuel		10,004	5,711	4,293	57.1%
02-5027.**.**	Insurance - Property/Liability		108,384	139,900	(31,516)	129.1% (3) (16)
02-5028.**.**	Small Tools & Supplies		38,000	24,185	13,815	63.6%
02-5030.**.**	Trash Disposal		3,000	2,345	655	78.2%
02-5031.**.**	Safety Program & Supplies		41,000	28,900	12,100	70.5%
02-5032.**.**	Equipment Rental		3,000	971	2,029	32.4%
02-5033.**.**	Recruitment		348	970	(622)	278.7%
02-5034.**.**	Travel Expense/Tech. Conferences		9,012	820	8,192	9.1%
02-5035.**.**	Training Expense		16,976	7,967	9,009	46.9%
02-5036.**.**	Laboratory Supplies		21,004	12,775	8,229	60.8%
02-5037.**.**	Office Equipment		13,000	5,812	7,188	44.7%
02-5038.**.**	Permits		13,496	26,137	(12,641)	193.7% (7) (16)
02-5039.**.**	Membership Dues/Fees		4,516	2,488	2,028	55.1%
02-5049.**.**	Biosolids Disposal		620,000	440,187	179,813	71.0% (16)
02-5050.**.**	Contract Services Generators - 29A		10,004	12,739	(2,735)	127.3% (4)
02-5052.**.**	Janitorial Services		47,000	33,862	13,138	72.0%
02-5053.**.**	Contract Serv - Digester Cleaning - 29E		60,000	31,306	28,694	52.2% (16)
02-5054.**.**	Diesel Truck Maint		22,000	5,111	16,889	23.2%
02-5055.**.**	Diesel Truck Fuel - 37B		2,996	2,948	48	98.4%
02-5056.**.**	Maintenance Equip. & Facilities (Solids)		155,000	175,999	(20,999)	113.5% (5) (16)
02-5057.**.**	Maintenance Equip. & Facilities (Liquids)		260,000	141,877	118,123	54.6%
02-5058.**.**	Maintenance Equip. & Facilities (Common)		29,000	68,019	(39,019)	234.5% (6) (16)
02-5059.**.**	Maintenance Equip. & Facilities (Co-Gen)		277,120	234,783	42,337	84.7%
02-5061.**.**	Mileage		2,104	685	1,419	32.6%
02-5076.**.**	SCADA Infrastructure		28,960	27,137	1,823	93.7%
02-5077.**.**	IT Direct		2,620	998	1,622	38.1%
02-5303.**.**	Group Insurance Waiver		3,596	4,597	(1,001)	127.8%
02-5309.**.**	Operating Leases		26,000	23,077	2,923	88.8%
02-5705.**.**	Monthly Car Allowance		22,804	19,030	3,774	83.4%
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	147,299	52,513	73.7%
	Total Other Expenses		3,585,128	3,105,611	484,517	86.5%
	Total Expenses	5,000	6,104,572	5,236,137	868,435	85.8%

**South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC**
For the Period Ended April 30, 2022
(in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall							
Salary and Fringe							
05-5000.**.**	Regular Salaries-O&M	146,556		146,556	108,605	37,951	74.1%
05-5001.**.**	Overtime Salaries-O&M	72		72	308	(236)	427.9%
05-5306.**.**	Scheduled Holiday Work	416		416	350	66	84.0%
05-5401.**.**	Fringe Benefits IN to PC's & Depts.	75,928		75,928	59,387	16,541	78.2%
	Total Payroll Costs	222,972	-	222,972	168,650	54,323	75.6%
Other Expenses							
05-5015.**.**	Management Support Services	212,500		212,500	36,856	175,644	17.3%
05-5017.**.**	Legal Fees	2,008		2,008	-	2,008	-
05-5026.**.**	Small Vehicle Fuel	500		500	-	500	-
05-5027.**.**	Insurance - Property/Liability	9,668		9,668	12,479	(2,811)	129.1% (3)
05-5031.**.**	Safety Supplies	1,052		1,052	-	1,052	-
05-5033.**.**	Recruitment	556		556	-	556	-
05-5034.**.**	Travel Expense/Tech. Conferences	1,512		1,512	457	1,055	30.2%
05-5035.**.**	Training Expense	1,952		1,952	18	1,935	0.9%
05-5036.**.**	Laboratory Supplies	35,000		35,000	24,107	10,893	68.9%
05-5038.**.**	Permits	228,968		228,968	237,612	(8,644)	103.8% (7)
05-5039.**.**	Membership Dues/Fees	216		216	-	216	-
05-5044.**.**	Offshore Monitoring	75,496		75,496	35,280	40,216	46.7%
05-5045.**.**	Offshore Biochemistry - 20B	11,512		11,512	-	11,512	-
05-5046.**.**	Effluent Chemistry	35,000		35,000	7,033	27,967	20.1%
05-5056.**.**	Maintenance Equip. & Facilities (Solids) 41-A	-		-	572	(572)	-
05-5058.**.**	Maintenance Equip. & Facilities (Common)	1,004		1,004	375	629	37.4%
05-6500.**.**	IT Allocations in to PC's & Depts.	18,464		18,464	13,608	4,856	73.7%
	Total Other Expenses	635,408	-	635,408	368,397	267,011	58.0%
	Total Expenses	858,380	-	858,380	537,047	321,333	62.6%
08 - Pre Treatment							
Salary and Fringe							
08-5000.**.**	Regular Salaries-O&M	117,772		117,772	86,970	30,802	73.8%
08-5401.**.**	Fringe Benefits IN to PC's & Depts.	61,016		61,016	47,557	13,459	77.9%
	Total Payroll Costs	178,788	-	178,788	134,528	44,260	75.2%
Other Expenses							
08-5011.**.**	Laboratory Services	3,200		3,200	1,152	2,048	36.0%
08-5016.**.**	Audit - Environmental	1,304		1,304	-	1,304	-
08-5017.**.**	Legal Fees	2,596		2,596	4,364	(1,768)	168.1%
08-5018.**.**	Public Notices/ Public Relations	6,000		6,000	-	6,000	-
08-5021.**.**	Small Vehicle Expense - 31A	1,076		1,076	-	1,076	-
08-5022.**.**	Miscellaneous Expense	2,008		2,008	41	1,967	2.0%
08-5026.**.**	Small Vehicle Fuel - 37A	1,148		1,148	303	845	26.4%
08-5027.**.**	Insurance - Property/Liability	3,024		3,024	3,903	(879)	129.1% (3)
08-5028.**.**	Small Tools & Supplies	3,000		3,000	2,033	967	67.8%
08-5034.**.**	Travel Expense/Tech. Conferences	2,732		2,732	1,813	919	0.66
08-5035.**.**	Training Expense	-		-	450	(450)	-
08-5038.**.**	Permits and Fines	3,132		3,132	-	3,132	-
08-5039.**.**	Membership Dues/Fees	-		-	438	(438)	-
08-6500.**.**	IT Allocations in to PC's & Depts.	14,832		14,832	10,936	3,896	73.7%
	Total Other Expenses	44,052	-	44,052	25,433	18,619	57.7%
	Total Expenses	222,840	-	222,840	159,961	62,879	71.8%
12 - Water Reclamation Permits							
Salary and Fringe							
12-5000.**.**	Regular Salaries-O&M	44,808		44,808	16,156	28,652	36.1%
12-5401.**.**	Fringe Benefits IN to PC's & Depts.	23,208		23,208	8,834	14,374	38.1%
	Total Payroll Costs	68,016	-	68,016	24,990	43,026	36.7%
Other Expenses							
12-5015.**.**	Management Support Services	-	45,000	45,000	-	45,000	-
12-5017.**.**	Legal Fees	2,000		2,000	2,094	(94)	104.7%
12-5027.**.**	Insurance - Property/Liability	5,164		5,164	6,666	(1,502)	129.1% (3)
12-5034.**.**	Travel Expense/Tech. Conferences	920		920	99	821	10.7%
12-5038.**.**	Permits	12,044		12,044	24,491	(12,447)	203.3% (7)
12-5039.**.**	Membership Dues/Fees	68		68	-	68	-
12-6500.**.**	IT Allocations in to PC's & Depts.	5,640		5,640	4,161	1,480	73.8%
	Total Other Expenses	25,836	45,000	70,836	37,510	33,326	53.0%
	Total Expenses	93,852	45,000	138,852	62,500	76,352	45.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
 For the Period Ended April 30, 2022
 (in dollars)

15 - Coastal Treatment Plant

Salary and Fringe

FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended		
15-5000.**.**	Regular Salaries-O&M	1,083,504	1,083,504	736,825	68.0%		
15-5001.**.**	Overtime Salaries-O&M	19,208	19,208	14,721	76.6%		
15-5306.**.**	Scheduled Holiday Work	15,584	15,584	15,575	99.9%		
15-5315.**.**	Comp Time - O&M	2,000	2,000	3,413	(1,413) 170.7%		
15-5401.**.**	Fringe Benefits IN to PC's & Depts.	561,396	561,396	402,911	158,485 71.8%		
15-5700.**.**	Standby Pay	16,504	16,504	7,703	8,801 46.7%		
	Total Payroll Costs	1,698,196	-	1,698,196	1,181,148	517,048	69.6%

Other Expenses

15-5002.**.**	Electricity	202,348	202,348	248,645	(46,297)	122.9%	(14)	
15-5003.**.**	Natural Gas	2,872	2,872	4,660	(1,788)	162.3%	(14)	
15-5004.**.**	Potable & Reclaimed Water	25,000	25,000	19,036	5,964	76.1%		
15-5006.**.**	Chlorine/Sodium Hypochlorite	94,004	94,004	75,971	18,033	80.8%		
15-5007.**.**	Polymer Products	1,004	1,004	-	1,004	-		
15-5008.**.**	Ferric Chloride	58,000	58,000	59,981	(1,981)	103.4%	(14)	
15-5009.**.**	Odor Control Chemicals	51,004	51,004	37,786	13,218	74.1%		
15-5011.**.**	Laboratory Services	20,000	20,000	6,947	13,053	34.7%		
15-5012.**.**	Grit Hauling	23,000	23,000	19,981	3,019	86.9%		
15-5013.**.**	Landscaping	57,000	57,000	45,353	11,647	79.6%		
15-5015.**.**	Management Support Services	10,000	5,000	15,000	1,125	13,875	7.5%	
15-5017.**.**	Legal Fees	30,000	30,000	3,718	26,282	12.4%		
15-5019.**.**	Contract Services Misc.	91,732	91,732	84,270	7,462	91.9%		
15-5021.**.**	Small Vehicle Expense	4,004	4,004	5,375	(1,371)	134.2%		
15-5022.**.**	Miscellaneous Expense	1,000	1,000	490	510	49.0%		
15-5023.**.**	Office Supplies - All	4,004	4,004	3,615	389	90.3%		
15-5024.**.**	Petroleum Products	3,000	3,000	4,322	(1,322)	144.1%		
15-5025.**.**	Uniforms	9,000	9,000	7,094	1,906	78.8%		
15-5026.**.**	Small Vehicle Fuel	2,000	2,000	2,095	(95)	104.7%		
15-5027.**.**	Insurance - Property/Liability	47,112	47,112	60,811	(13,699)	129.1%	(3)	
15-5028.**.**	Small Tools & Supplies	9,000	9,000	4,051	4,949	45.0%		
15-5030.**.**	Trash Disposal	2,996	2,996	1,575	1,421	52.6%		
15-5031.**.**	Safety Supplies	35,000	35,000	7,244	27,756	20.7%		
15-5032.**.**	Equipment Rental	1,000	1,000	-	1,000	-		
15-5033.**.**	Recruitment	312	312	100	212	32.1%		
15-5034.**.**	Travel Expense/Tech. Conferences	5,244	5,244	180	5,064	3.4%		
15-5035.**.**	Training Expense	11,632	11,632	5,702	5,930	49.0%		
15-5036.**.**	Laboratory Supplies	14,000	14,000	17,865	(3,865)	127.6%		
15-5037.**.**	Office Equipment	2,996	2,996	2,315	681	77.3%		
15-5038.**.**	Permits	4,820	4,820	4,604	216	95.5%		
15-5039.**.**	Membership Dues/Fees	4,960	4,960	1,854	3,106	37.4%		
15-5047.**.**	Access Road Expenses	45,000	45,000	1,861	43,139	4.1%		
15-5048.**.**	Storm Damage	21,000	21,000	-	21,000	-		
15-5049.**.**	Biosolids Disposal	-	-	10,308	(10,308)	-	(8)	
15-5050.**.**	Contract Services Generators - 29A	5,000	5,000	-	5,000	-		
15-5052.**.**	Janitorial Services	12,004	12,004	10,449	1,555	87.0%		
15-5054.**.**	Diesel Truck Maint - 31B	1,000	1,000	-	1,000	0.0%		
15-5055.**.**	Diesel Truck Fuel - 37B	504	504	-	504	-		
15-5057.**.**	Maintenance Equip. & Facilities (Liquids)	149,996	149,996	172,252	(22,256)	114.8%		
15-5058.**.**	Maintenance Equip. & Facilities (Common)	23,000	23,000	3,727	19,273	16.2%		
15-5060.**.**	Maintenance Equip. & Facilities (AWT)	38,000	38,000	28,764	9,236	75.7%		
15-5061.**.**	Mileage	500	500	100	400	20.1%		
15-5076.**.**	SCADA Infrastructure	28,952	28,952	27,137	1,815	93.7%		
15-5077.**.**	IT Direct	264	264	-	264	-		
15-5303.**.**	Group Insurance Waiver	3,600	3,600	3,143	457	87.3%		
15-5305.**.**	Medicare Tax Payments for Employees	2,160	2,160	1,713	447	79.3%		
15-5705.**.**	Monthly Car Allowance	4,196	4,196	3,505	691	83.5%		
15-6500.**.**	IT Allocations in to PC's & Depts.	136,476	136,476	100,611	35,865	73.7%		
	Total Other Expenses	1,299,696	5,000	1,304,696	1,100,334	204,362	84.3%	
	Total Expenses	2,997,892	5,000	3,002,892	2,281,482	721,410	76.0%	

**South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC**
For the Period Ended April 30, 2022
(in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
17 - Joint Regional Wastewater Reclamation and Sludge Handling								
Salary and Fringe								
17-5000.**.**	Regular Salaries-O&M	1,718,916		1,718,916	1,332,071	386,845	77.5%	
17-5001.**.**	Overtime Salaries-O&M	49,452		49,452	30,449	19,003	61.6%	
17-5306.**.**	Scheduled Holiday Work	38,136		38,136	31,403	6,733	82.3%	
17-5315.**.**	Comp Time - O&M	5,716		5,716	6,326	(610)	110.7%	
17-5401.**.**	Fringe Benefits IN to PC's & Depts.	890,632		890,632	728,405	162,227	81.8%	
17-5700.**.**	Standby Pay	26,000		26,000	25,773	227	99.1%	
	Total Payroll Costs	2,728,852	-	2,728,852	2,154,426	574,426	78.9%	
Other Expenses								
17-5002.**.**	Electricity	461,868		461,868	260,327	201,541	56.4%	
17-5003.**.**	Natural Gas	90,976		90,976	152,503	(61,527)	167.6%	(9) (16)
17-5004.**.**	Potable & Reclaimed Water	35,000		35,000	16,799	18,201	48.0%	
17-5005.**.**	Co-generation Power Credit	(686,000)		(686,000)	(896,673)	210,673	130.7%	
17-5006.**.**	Chlorine/Sodium Hypochlorite	400,004		400,004	387,741	12,263	96.9%	
17-5007.**.**	Polymer Products	441,000		441,000	397,021	43,979	90.0%	
17-5008.**.**	Ferric Chloride	330,004		330,004	297,494	32,510	90.1%	
17-5009.**.**	Odor Control Chemicals	35,008		35,008	33,202	1,806	94.8%	(14)
17-5010.**.**	Other Chemicals - Misc.	1,004		1,004	-	1,004	-	
17-5011.**.**	Laboratory Services	22,996		22,996	9,983	13,013	43.4%	
17-5012.**.**	Grit Hauling - 21A	42,000		42,000	40,655	1,345	96.8%	
17-5013.**.**	Landscaping	85,004		85,004	69,808	15,196	82.1%	
17-5015.**.**	Management Support Services	9,996	5,000	14,996	10,625	4,371	70.9%	
17-5017.**.**	Legal Fees	5,004		5,004	30,188	(25,184)	603.3%	(10) (16)
17-5019.**.**	Contract Services Misc.	96,312		96,312	99,781	(3,469)	103.6%	(14)
17-5021.**.**	Small Vehicle Expense	7,000		7,000	11,966	(4,966)	170.9%	
17-5022.**.**	Miscellaneous Expense	5,004		5,004	1,112	3,892	22.2%	
17-5023.**.**	Office Supplies - All	13,004		13,004	6,323	6,681	48.6%	
17-5024.**.**	Petroleum Products	20,004		20,004	9,850	10,154	49.2%	
17-5025.**.**	Uniforms	28,000		28,000	26,662	1,338	95.2%	
17-5026.**.**	Small Vehicle Fuel	9,004		9,004	5,746	3,258	63.8%	
17-5027.**.**	Insurance - Property/Liability	135,628		135,628	175,066	(39,438)	129.1%	(3) (16)
17-5028.**.**	Small Tools & Supplies	30,000		30,000	26,515	3,485	88.4%	
17-5030.**.**	Trash Disposal	2,504		2,504	1,676	828	66.9%	
17-5031.**.**	Safety Supplies	41,248		41,248	26,358	14,890	63.9%	
17-5032.**.**	Equipment Rental	3,004		3,004	11,655	(8,651)	388.0%	
17-5033.**.**	Recruitment	728		728	2,000	(1,272)	274.7%	(7)
17-5034.**.**	Travel Expense/Tech. Conferences	8,996		8,996	1,383	7,613	15.4%	
17-5035.**.**	Training Expense	15,480		15,480	7,951	7,529	51.4%	
17-5036.**.**	Laboratory Supplies	24,392		24,392	15,900	8,492	65.2%	
17-5037.**.**	Office Equipment	9,996		9,996	7,737	2,259	77.4%	
17-5038.**.**	Permits	10,612		10,612	27,480	(16,868)	259.0%	(7)
17-5039.**.**	Membership Dues/Fees	7,892		7,892	4,777	3,115	60.5%	
17-5049.**.**	Biosolids Disposal	850,000		850,000	789,468	60,532	92.9%	
17-5050.**.**	Contract Services Generators - 29A	13,004		13,004	4,145	8,859	31.9%	
17-5052.**.**	Janitorial Services	42,000		42,000	21,524	20,476	51.2%	
17-5054.**.**	Diesel Truck Maint	19,000		19,000	10,997	8,003	57.9%	
17-5055.**.**	Diesel Truck Fuel	8,000		8,000	6,140	1,860	76.8%	
17-5056.**.**	Maintenance Equip. & Facilities (Solids)	211,000		211,000	192,042	18,958	91.0%	(11)
17-5057.**.**	Maintenance Equip. & Facilities (Liquids)	242,000		242,000	193,248	48,752	79.9%	
17-5058.**.**	Maintenance Equip. & Facilities (Common)	36,000		36,000	48,003	(12,003)	133.3%	(12)
17-5059.**.**	Maintenance Equip. & Facilities (Co-Gen)	461,876		461,876	439,086	22,790	95.1%	
17-5060.**.**	Maintenance Equip. & Facilities (AWT) 41-E	50,000		50,000	57,411	(7,411)	114.8%	(15)
17-5061.**.**	Mileage	1,004		1,004	703	301	70.0%	
17-5068.**.**	MNWD Potable Water Supplies & Svcs.	28,000		28,000	27,793	207	99.3%	(13)
17-5074.**.**	Education Reimbursement	1,996		1,996	101	1,895	5.1%	
17-5076.**.**	SCADA Infrastructure	28,684		28,684	27,137	1,547	94.6%	
17-5077.**.**	IT Direct	2,624		2,624	-	2,624	-	
17-5105.**.**	Co-Generation Power Credit - Offset	685,992		685,992	896,673	(210,681)	130.7%	
17-5303.**.**	Group Insurance Waiver	7,196		7,196	5,871	1,325	81.6%	
17-5309.**.**	Operating Leases	-		-	1,915	(1,915)	-	
17-5705.**.**	Monthly Car Allowance	8,396		8,396	7,819	577	93.1%	
17-6241.**.**	Education Reimbursement	-		-	449	(449)	-	
17-6500.**.**	IT Allocations in to PC's & Depts.	216,520		216,520	159,614	56,906	73.7%	
	Total Other Expenses	4,655,964	5,000	4,660,964	4,169,751	491,213	89.5%	
	Total Expenses	7,384,816	5,000	7,389,816	6,324,177	1,065,639	85.6%	

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
 For the Period Ended April 30, 2022
 (in dollars)

		FY 2021-22 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main							
Salary and Fringe							
21-5000-**-**-**	Regular Salaries-O&M	1,088		1,088	191	898	17.5%
21-5001-**-**-**	Overtime Salaries-O&M	-		-	-	-	-
21-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	564		564	104	460	18.5%
	Total Payroll Costs	1,652	-	1,652	295	1,357	17.8%
Other Expenses							
21-5019-**-**-**	Contract Services Misc.	18,336		18,336	-	18,336	-
21-5027-**-**-**	Insurance - Property/Liability	-		-	-	-	-
	Total Other Expenses	18,336	-	18,336	-	18,336	0.0%
	Total Expenses	19,988	-	19,988	295	19,693	1.5%
23 - North Coast Interceptor							
Other Expenses							
23-5017-**-**-**	Legal Fees	-	7,070	7,070	7,063	7	99.9%
	Total Expenses	-	7,070	7,070	7,063	7	99.9%
24 - Aliso Creek Ocean Outfall							
Salary and Fringe							
24-5000-**-**-**	Regular Salaries-O&M	149,296		149,296	96,814	52,482	64.8%
24-5001-**-**-**	Overtime Salaries-O&M	620		620	962	(342)	155.1%
24-5306-**-**-**	Scheduled Holiday Work	264		264	350	(86)	132.4%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	77,364		77,364	52,940	24,424	68.4%
	Total Payroll Costs	227,544	-	227,544	151,066	76,478	66.4%
Other Expenses							
24-5015-**-**-**	Management Support Services	212,496		212,496	17,482	195,014	8.2%
24-5017-**-**-**	Legal Fees	2,008		2,008	-	2,008	-
24-5027-**-**-**	Insurance - Property/Liability	8,704		8,704	11,235	(2,531)	129.1% (3)
24-5031-**-**-**	Safety Supplies	1,044		1,044	-	1,044	-
24-5033-**-**-**	Recruitment	556		556	-	556	-
24-5034-**-**-**	Travel Expense/Tech. Conferences	1,512		1,512	1,507	5	99.7%
24-5035-**-**-**	Training Expense	1,956		1,956	18	1,939	0.9%
24-5036-**-**-**	Laboratory Supplies	30,004		30,004	23,868	6,136	79.5%
24-5038-**-**-**	Permits	216,924		216,924	223,079	(6,155)	102.8% (7)
24-5039-**-**-**	Membership Dues/Fees	220		220	-	220	-
24-5044-**-**-**	Offshore Monitoring	75,504		75,504	33,135	42,369	43.9%
24-5045-**-**-**	Offshore Biochemistry - 20B	11,512		11,512	-	11,512	-
24-5046-**-**-**	Effluent Chemistry	35,000		35,000	9,988	25,012	28.5%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	1,004		1,004	-	1,004	-
24-6500-**-**-**	IT Allocations in to PC's & Depts.	18,796		18,796	13,863	4,933	73.8%
	Total Other Expenses	617,240	-	617,240	334,175	283,065	54.1%
	Total Expenses	844,784	-	844,784	485,241	359,543	57.4%
	Total O&M Expenses	18,522,124	67,070	18,589,194	15,093,902	3,495,292	81.2%

* 02/03/2022 Board approved budget amendment for PC 12-Water Reclamation Management Support Services, \$45,000, for Support Services Salt & Nutrient Management Plan.
 * 02/03/2022 Board approved budget amendment for PC 2- \$5,000, PC 15- \$5,000, PC 17- \$5,000 Management Support Services, total \$15,000 for CASA Climate Change Program.
 * 02/14/2022 PC 23 Committee approved budget amendment for PC 23 - \$7,070, for work performed on the Intertie Project.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended April, 2022

- (1) Increased solids from upstream treatment plants to JBL impacted operational costs.
- (2) Increased grit maintenance due to digester cleaning process and upstream treatment plant to JBL.
- (3) Property Liability insurance rate increased due to insurers' increases in California.
- (4) Generator services are completed before the rainy season each year and are nearly complete for the Fiscal Year.
- (5) JBL staff are performing work in solids areas that are usually unavailable during the ongoing Package B Construction Project shutdowns.
- (6) The Administrative buildings at JBL and RTP had sewer and water pipes repaired.
- (7) Increased permit fees reported to the Board November 2021. No further increases this fiscal year.
- (8) Contaminated soils from the May and June sludge lines leaks were dried and disposed of as Biosolids.
- (9) Additional natural gas was used to run the cogeneration system at RTP during warranty repairs on the digester gas cleaning System.
- (10) Cost associated with BKK Landfill matter
- (11) Several failed RTP digester gas valves were isolated and replaced by specialty contractor.
- (12) Emergency repair for failed water line at RTP.
- (13) Annual laboratory proficiency testing costs for potable water certification. Costs expected to level out.
- (14) Costs elevated due to contract increases.
- (15) Additional valves failed ahead of the upcoming rehabilitation project.
- (16) Finance Committee recommended to the Board from the 4/19/2022 Meeting a Budget Adjustment that will be considered at the May 12, 2022 Board Meeting.

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

For the Period Ended April 30, 2022
(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	109,123	66,805	62.0%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	91,154	59,671	31,483	65.5%
	Total Payroll Costs	267,081	168,794	98,288	63.2%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	1,062	2,122	33.4%
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	1,223	154	88.8%
01-5061-03-00-00	Mileage	510	102	408	20.1%
01-5309-03-00-00	Operating Leases	9,300	-	9,300	-
01-5705-03-00-00	Monthly Car Allowance	4,200	2,294	1,906	54.6%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,293	40,413	13,880	74.4%
	Total Other Expenses	82,781	45,095	37,687	54.5%
	Total Engineering Expenses	349,863	213,888	135,975	61.1%

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
 For the Period Ended April 30, 2022
 (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	780,669	217,755	78.2%
01-6001-04-00-00	Overtime Salaries-Admin or IT	10,000	24,728	(14,728)	247.3% (1)
01-6315-04-00-00	Comp Time - Admin	5,000	2,767	2,233	55.3%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	517,316	426,886	90,430	82.5%
	Total Payroll Costs	1,530,740	1,235,051	295,689	80.7%
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	16,137	8,213	66.3%
01-6102-04-00-00	Subscriptions	2,081	2,227	(146)	107.0%
01-6103-04-00-00	Contract Labor	50,000	20,383	29,617	40.8%
01-6200-04-00-00	Management Support Services	90,000	29,131	60,869	32.4%
01-6201-04-00-00	Audit	46,000	32,500	13,500	70.7%
01-6202-04-00-00	Legal	220,000	237,811	(17,811)	108.1%
01-6204-04-00-00	Postage	1,500	1,099	401	73.3%
01-6223-04-00-00	Office Supplies - Admin	4,500	2,528	1,972	56.2%
01-6224-04-00-00	Office Equipment Admin or IT	1,200	4,537	(3,337)	378.1% (2)
01-6234-04-00-00	Memberships & Trainings	88,000	106,729	(18,729)	121.3%
01-6239-04-00-00	Travel & Conference	11,000	10,517	483	95.6%
01-6241-04-00-00	Education Reimbursement	1,500	904	596	60.3%
01-6310-04-00-00	Miscellaneous	18,000	16,085	1,915	89.4%
01-6311-04-00-00	Mileage	1,236	148	1,087	12.0%
01-6317-04-00-00	Contract Services Misc	5,722	4,746	976	82.9%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	125,761	92,710	33,050	73.7%
01-6601-04-00-00	Shipping/Freight	3,815	3,457	358	90.6%
01-6705-04-00-00	Monthly Car Allowance	12,000	10,016	1,985	83.5%
	Total Other Expenses	709,934	591,665	118,269	83.3%
Total Admin Expenses		2,240,674	1,826,716	413,959	81.5%

- (1) Additional information requests and Meeting schedules are impacting need for overtime work.
- (2) Planned purchase of ergonomic chairs; expenditures will level off.

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
 For the Period Ended April 30, 2022
 (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	86,792	13,284	86.7%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	51,852	47,460	4,392	91.5%
	Total Salary & Fringe	151,928	134,252	17,676	88.4%
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	1,725	1,275	57.5%
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	19,005	22,021	46.3%
01-6301-05-00-00	Hardware Maintenance Agreements	14,726	6,760	7,966	45.9%
01-6302-05-00-00	Cloud Subscriptions (Internet)	177,328	156,738	20,590	88.4%
01-6303-05-00-00	Telecommunications	165,582	140,849	24,734	85.1%
01-6305-05-00-00	IT Professional Services	92,400	36,520	55,880	39.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	40,985	9,445	31,540	23.0%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	28,968	23,789	5,179	82.1%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	64,173	51,999	12,174	81.0%
01-6310-05-00-00	Miscellaneous	5,000	187	4,813	3.7%
01-6312-05-00-00	Computer & Photocopy Supplies	-	1,745	(1,745)	-
	Total Other Expenses	639,198	448,963	190,235	70.2%
	Total Expenses before Allocation	791,126	583,214	207,912	73.7%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(791,126)	(583,214)	(207,912)	73.7%
	Total IT Allocations (Out) to PC's & Depts	(791,126)	(583,214)	(207,912)	73.7%

Agenda Item

6.G.

Board of Directors

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Q3 FY 2021-22 Cash Roll Forward as of March 31, 2022

Summary/Discussion

The following selected financial reports are routinely provided quarterly to the Finance Committee for recommendation to the Board of Directors to review Cash Roll Forward and receive and file the following documents.

Cash Roll Forward Q3, March 31, 2022

Cash Roll Forward balances are attached:

- Cash Roll Forward Notes
- Large Capital Cash Reconciliation to General Ledger (GL)
- Large Capital Cash Roll Forward Balance by Project Committee and Project
- Non-Capital Cash Roll Forward Balance by Project Committee and Project
- Non-Capital – Miscellaneous Cash Roll Forward Balance by Project Committee and Project
- Small Capital Cash Roll Forward balance by Project Committee and Project

Recommended Action: The Finance Committee recommends that the Board of Directors receive and file the Q3 Fiscal Year 2021-22 Cash Roll Forward as submitted.

**South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2017, 2018, 2019, 2020, 2021
Q1, Q2 & Q3 2022 Preliminary**

	6/30/2017	6/30/2018	6/30/2019	6/30/2020	6/30/2021	9/30/2021	12/31/2021	3/31/2022	Change +/-	% Change
(1) Cash on Hand (G/L Balance)¹	12,949,694	13,557,237	20,857,094	22,361,420	15,190,921	12,895,802	10,468,467	11,969,327	1,500,860	14.3%
Accounts Payable	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)	(5,882,659)	(3,514,608)	(3,448,555)	(1,836,240)		
Accrued Payroll	(102,661)	(127,396)	(100,221)	(160,049)	(224,996)	(117,736)	(258,264)	(121,036)		
Accounts Receivable	1,069,282	1,660,444	14,179	49,286	59,478	16,200	676,331	27,449		
(2) PTO Reserves	(653,282)	(620,032)	(683,536)	(734,477)	(877,242)	(705,078)	(940,021)			
Due to Mbr Agency	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)	(4,096,390)	(4,096,390)				
Due From Mbr Agency	1,069,819	2,433,322	856,669	870,004	1,280,615	1,280,615				
Mbr Agency Refund held for FY 19-20			(1,068,028)							
LAIF Fair Value Adjustment					(1,156)					
Prepaid	65,082	204,867	211,725	155,939	198,709	1,410,077	741,396	470,714		
Deposits	19,500									
(3) Available Cash	10,375,905	10,883,737	15,631,481	17,353,752	5,647,281	7,168,882	7,239,354	10,510,215		
(4) Large Capital Cash as of June 30th 2017, 2018, 2019, 2020, 2021, Q1 & Q2 & Q3 2022	9,168,439	8,793,369	15,067,539	15,616,950	6,973,860	7,770,263	6,528,239	9,030,804	2,502,565	38.3%
Non Capital Engineering Cash Balance	295,062	(81,041)								
Moulton Niguel Non Capital Engineering Accounts Receivable	(21,831)	(22,416)								
Moulton Niguel Large Capital Accounts Receivable	649,490	1,382,368								
Use Audit Settlement		216,467			(1,511,608)	(1,511,608)				
Use Audit Settlement	(49,931)	(49,931)								
(5) Total Large Capital Cash	10,041,229	10,238,817	15,067,539	15,616,950	5,462,252	6,258,655	6,528,239	9,030,804		
(6) Small Capital Carryover	(129,000)		172,996	565,000	161,729	161,729				
Non-Capital Carryover				369,508	203,442	203,442				
Non-Capital Misc. Carryover				252,298	132,113	132,113				
Cash Collected for PC 2 Zephyr Wall	76,318		76,318							
Other misc., fringe adj, interest adj, etc.	22,331	(4,916)			1,001					
Small Capital Cash Collected in Excess of Expenditures					547,506	547,506		636,295		
Non Capital Cash Collected in Excess of Expenditures					9,110	9,110		10,202		
Non Capital Misc Cash Collected in Excess of Expenditures					52,266	52,266		54,217		
O&M Cash Collected in Excess of Expenditures					215,060	215,060		564,703		
O&M, Small Cap, Non-Cap, Non-Cap Misc Use Audit Settlement					(1,304,166)	(1,304,166)				
O&M, Small Cap, Non-Cap, Non-Cap Misc Cash Collected in Excess of Expenditures						704,740	686,317			
Net Cash as of June 30th 2017, 2018, 2019, 2020, 2021 and Q1 2022	10,010,879	10,233,900	15,316,853	16,803,755	5,480,313	6,980,455	7,214,556	10,296,221		
(7) Difference	365,027	649,837	314,628	549,996	166,969	188,428	24,798	213,994		

**South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2017, 2018, 2019, 2020, 2021
Q1, Q2 & Q3 2022 Preliminary**

	6/30/2017	6/30/2018	6/30/2019	6/30/2020	6/30/2021	9/30/2021	12/31/2021	3/31/2022	Change +(-)	% Change
Additional Cash Is:										
Prior Balance	281,422	365,027	649,837	314,628	549,996	166,969	188,428	24,789		
Payment to Member Agencies			(649,837)	(314,628)	(549,996)		(166,969)			
County of Orange Bankruptcy Payment										
County of Orange Admin Fees										
County of Orange Access Maintenance										
City of Laguna Niguel Heat Transfer										
SMWD Lab Fees										
Coke machine										
FEMA Reimbursement		136,995		9,277						
CA State Cost Reimbursement				15,356						
Interest Income Received	45,294	114,150	249,482	405,052	74,802	8	3,330	(300)		
Recycling Income	11,708	2,112	1,618	1,966.23	2,947	5,700		1,892		
PC 23 Admin Payment	9,135				5,300	5,450				
Mutual Omaha Refund	8,034									
Interest received for 4th qtr	4,934	25,256	52,302	113,947	83,920	10,300				
LAIF Interest Adj.	3,000									
Grant Revenue SoCal Edison	1,500									187,613
Other misc. expenses				(4,277)						
Sale of Fixed Assets		6,297	11,226	8,675						
Other misc adjustments										
Total Other Cash	365,027	649,837	314,628	549,996	166,969	188,428	24,789	213,994		

¹Cash on hand increased 14.3% because of large capital work billings for PC 02 and PC 15; and received \$187k in grant money.

Preliminary Cash Roll Forward Notes Q3 FY 2021-22

1. Cash on Hand from Net Position Statement and reconciled to the Bank Statement
2. Adjustment for Current Assets and Liabilities, Obligations against the Cash (accounts payable, payroll accruals, Use Audit Due (To) Member Agencies; the offset to these items is in the Use Audit as an Expense or in Construction-in-Progress if Capital related.)
Amounts due to the Authority, Accounts Receivable, Use Audit Due (To) and From Member Agencies, Prepaids and Deposits.
3. Available Cash (Item 1 above less Item 2). The Authority does not carry Cash Reserves; there is some carryover cash for small capital and non-capital projects in-process at yearend. Large Capital Cash is held until project completion which could span several years.
4. Large Capital Cash is supported by a subsidiary report detailing by project committee, wastewater
 - a) Beginning Cash Balance from the Audited 6/30/2020 Cash Roll Forward
 - b) Contributions based on the quarterly capital billings
 - c) Actual expenditures
 - d) Use Audit Settlement
 - e) Net Cash balance
5. Total Large Capital Cash.
6. Small Capital, Non-Capital and Non-Capital Misc. Carryover.
7. Difference is additional cash from interest on LAIF account balance and sources other than Member Agencies.

South Orange County Wastewater Authority

Total Large Capital Projects Cash Roll Forward for Q3 FY 2021-22

Large Capital Cash Balance as of March 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSB	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham										
Liquids										
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	45,257	-	-	-	33,984	25,492	42,481	147,214
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	25,946	-	-	-	19,481	14,612	24,352	84,391
3253-000 - Effluent System Valves Replacement (2107)	-	-	27,244	-	-	-	21,598	16,200	26,997	92,039
3254-000 - Additional Package B Liquids Design (2017)	-	-	45,357	-	-	-	34,032	25,524	42,541	147,453
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	2,439	-	-	-	1,897	1,493	2,394	8,222
3285-000 - Main Plant Drain Line Reconstruction (2018)	-	-	(4)	-	-	-	(3)	(3)	(4)	(15)
3215-000 - Motor Control Center M Replacement Design (2019)	-	-	9,902	-	-	-	7,427	5,570	9,283	32,182
3220-000 - Facility Improvements B - Basin Upgrades Construction I (2019)	-	-	141,121	-	-	-	105,892	79,342	132,341	458,696
32211L-000 - Plant 2 Grit Area Rehabilitation	-	-	(27,783)	-	-	-	(20,837)	(15,628)	(26,046)	(90,294)
32226L - Effluent Pump Station Upgrades	-	-	(18,742)	-	-	-	(14,057)	(10,543)	(17,571)	(60,913)
Total PC 02 Liquids	-	-	250,736	-	-	-	189,413	142,060	236,767	818,977
Common										
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	(0)	-	-	-	(0)	(0)	(0)	(1)
3260-000 - SCADA System Upgrade (2017)	-	-	(0)	-	-	-	(0)	(0)	(0)	(0)
3286-000 - PLC Upgrades (2018)	-	-	-	-	-	-	-	-	-	-
3221-000 - Electrical System Evaluation (2019)	-	-	1,824	-	-	-	1,342	1,371	1,466	6,003
3231-000 Facility Improvements B - Common Upgrades Construction	-	-	109,093	-	-	-	80,239	82,006	87,680	359,019
Total PC 02 Common	-	-	110,916	-	-	-	81,581	83,377	89,146	365,021
Solids										
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	123,668	-	-	-	89,112	117,001	82,446	412,227
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	332,665	-	-	-	239,742	314,699	221,777	1,108,883
3222-000 - Centrate System Design (2019)	-	-	(1,906)	-	-	-	(1,374)	(1,803)	(1,271)	(6,353)
3223-000 - Emulsion Polymer Feeder Replacement (2019)	-	-	21,400	-	-	-	15,423	20,243	14,266	71,332
3224-000 - Digester No.4 Rehabilitation (2019)	-	-	94,864	-	-	-	68,371	89,736	63,243	316,214
3225-000 - Facility Improvements B - DAFT and Ancillary Solids Improvement	-	-	(2)	-	-	-	(2)	(2)	(2)	(8)
Total PC 02 Solids	-	-	570,689	-	-	-	411,273	539,874	380,460	1,902,295
Total PC2 JB Latham	-	-	932,341	-	-	-	682,266	765,312	706,374	3,086,293
PC 05 San Juan Creek Ocean Outfall										
3601-000 Junction Structure Reinforcement Phase II (2016)	-	(976)	(651)	-	-	-	(911)	(2,603)	(732)	(5,873)
3603-000 Dilution Study (2016)	-	9,889	6,593	-	-	-	9,228	26,370	7,420	59,500
3650-000 - Junction Structure Reinforcement Construction (2017)	-	-	-	-	-	-	-	-	-	-
3605-000 - Junction Structure Reinforcement Permitting and Final Design	-	(338)	(225)	-	-	-	(315)	(900)	(253)	(2,031)
3606-000 - Junction Struction - Sleeve Insertion (2021)	-	(0)	(0)	-	-	-	(0)	(0)	(0)	(1)
Total PC5 San Juan Creek Ocean Outfall	-	8,575	5,717	-	-	-	8,002	22,867	6,434	51,596

South Orange County Wastewater Authority

Total Large Capital Projects Cash Roll Forward for Q3 FY 2021-22

Large Capital Cash Balance as of March 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSB	IRWD	MNWD	SMWD	SCWD	Total
PC 15 Coastal Treatment Plant										
Liquids										
3504-000 - Aeration System Modification Design (2015)	(251)	-	-	-	(20)	-	(194)	-	(198)	(663)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	(1,860)	-	-	-	(146)	-	(1,435)	-	(1,464)	(4,906)
3530-000 Aliso Sulfur Creek Confluence (2014)	(12)	-	-	-	(1)	-	(9)	-	(9)	(31)
3532-000 - Fire Protection (2013)	11,404	-	-	-	899	-	8,161	-	8,979	29,443
3534-000 - Export Sludge System (1997)	(85,460)	-	-	-	(6,724)	-	(65,951)	-	(67,292)	(225,427)
3539-000 Facility Construction Improvements - Part II (2020)	187,922	-	-	-	14,796	-	145,013	-	147,974	495,705
3551-000 - Add for CTP Facility Upgrade Design (2017)	(7,554)	-	-	-	(595)	-	(5,829)	-	(5,948)	(19,925)
3553-000 - Plant Drainage Improvements (2017)	89,172	-	-	-	7,028	-	68,807	-	70,214	235,220
3592-000 - Facility Improvements Project Design (2018)	2,367	-	-	-	259	-	1,775	-	1,866	6,257
3525-000 - Personnel Building reconstruction (2019)	70,428	-	-	-	5,545	-	54,346	-	55,455	185,775
3526-000 - Facility Improvements Project Construction - Part I (2019)	(32)	-	-	-	(2)	-	(24)	-	(25)	(84)
3527-000 - Vehicle Storage Building Roof (2019)	32,224	-	-	-	2,537	-	24,866	-	25,373	85,000
3528-000 - AWMA Road Sites West 1 and West 2 Embankment Protection	38,360	-	-	-	3,020	-	29,601	-	30,205	101,185
3529-000 - Aliso Creek Long Term Repair Planning	28,604	-	-	-	2,252	-	22,072	-	22,523	75,452
3541-000 - Export Sludge System Construction (2020)	476,689	-	-	-	37,535	-	367,839	-	375,345	1,257,408
35220L-000 - Fiber Installation to Alicia Parkway	24,139	-	-	-	1,900	-	18,626	-	19,007	63,672
35228L-000 - Aeration Blower System Upgrades	116,850	-	-	-	9,201	-	90,168	-	92,008	308,226
3522AL-000 - Drainage Pump Station	18,661	-	-	-	1,470	-	14,400	-	14,694	49,225
3522CL-000 - West Basin Scum Collection System	15,571	-	-	-	1,227	-	12,016	-	12,261	41,075
3544-000 - Aeration Upgrade Construction - Part I (2021)	(84)	-	-	-	(7)	-	(65)	-	(66)	(221)
Total PC 15 Liquids	1,017,138	-	-	-	80,174	-	784,183	-	800,891	2,682,386
AWT										
3517-000 - AWT Backwash Pump Replacement (2016)	-	-	-	-	-	-	-	-	(402)	(402)
3518-000 - Chlorine Mixer Replacement (15AWT) (2015)	-	-	-	-	-	-	-	-	(7)	(7)
3519-000 - Hypochlorite Tank (AWT) (2013)	-	-	-	-	-	-	-	-	(0)	(0)
3532-000 - Fire Protection	-	-	-	-	-	-	-	-	(31,230)	(31,230)
3562-000 - Applied Water Pump System Replacement (AWT) (2017)	-	-	-	-	-	-	-	-	9,441	9,441
3596-000 - Applied Water VFD Pump Panel and Electrical (AWT) (2018)	-	-	-	-	-	-	-	-	8,574	8,574
3597-000 - MCC A Replacement Design (15) (2018)	-	-	-	-	-	-	-	-	55,890	55,890
3536-000 - Chlorine Contact Basin Mixer Design (AWT) (2018)	-	-	-	-	-	-	-	-	25,142	25,142
3537-000 - MCC A Replacement Construction (AWT) (2019)	-	-	-	-	-	-	-	-	(27,437)	(27,437)
3538-000 - AWT Filter Valve Upgrade Construction (AWT) (2019)	-	-	-	-	-	-	-	-	(64,847)	(64,847)
Total PC 15 AWT	-	-	-	-	-	-	-	-	(24,875)	(24,875)
Total PC 15 Coastal Treatment Plant	1,017,138	-	-	-	80,174	-	784,183	-	776,015	2,657,511

South Orange County Wastewater Authority

Total Large Capital Projects Cash Roll Forward for Q3 FY 2021-22

Large Capital Cash Balance as of March 31, 2022									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation									
Liquids/AWT									
3701-000 - Secondary Electrical System Rerouting (2014)	-	-	-	-	-	-	-	-	-
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	-	-	-	-	-	-	-	-	-
3707-000 - Influent Manholes 1 and 2 and Sewer Rehabilitation (2016)	-	-	-	-	-	-	-	-	-
3708-000 - Influent Junction Structure Gate Replacement (2016)	-	-	-	-	-	-	-	-	-
3712-000 - Grit Basin Drop Gate and Weir Replacement (2016)	-	-	-	-	-	-	-	-	-
3713-000 - Primary Inlet Drop Gate Replacement (2016)	-	-	-	-	-	-	-	-	-
3730-000 - Primary Gallery Upgrade (2014)	-	-	-	-	-	-	-	-	-
3733-000 AWT Backwash Pipe Relocation (2014)	-	-	-	-	-	-	-	-	-
3752-000 - AWT No.2 Upgrade Design (2017)013)	-	-	-	-	-	-	-	-	-
3753-000 Aeration Diffuser Upgrade (2020)	-	-	-	-	-	486,266	-	-	486,266
3758-000 AWT No.2 Reconstruction (2020)	-	-	-	-	-	119,133	-	-	119,133
3781-000 - Primary Scum Skimmer Replacement (2018)	-	-	-	-	-	-	-	-	-
3784-000 - Replace DAF (Mannich) Polymer System (2018)	-	-	-	-	-	-	-	-	-
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	-	-	-	-	-	-	-	-	-
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	-	-	-	-	-	-	-	-	-
3787-000 - Aeration Area Upgrade Design (2018)	-	-	-	-	-	5,354	-	-	5,354
3741-000 - Southwest Influent Sewer and MH Repair design (2019)	-	-	-	-	-	-	-	-	-
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	97,392	-	-	97,392
3743-000 - Aeration Gate Replacement (2019)	-	-	-	-	-	-	-	-	-
3755-000 Southeast Sewer Rehabilitation (2020)	-	-	-	-	-	-	-	-	-
3756-000 Secondary Clarifier Safety Repairs (2020)	-	-	-	-	-	-	-	-	-
3757-000 Miscellaneous Safety Improvements - Liquids (2020)	-	-	-	-	-	-	-	-	-
3759-000 AWT No.2 Electrical Upgrades (2020)	-	-	-	-	-	105,364	-	-	105,364
3766-000 AWT Sodium Hypochlorite Tanks Shade (2020)	-	-	-	-	-	-	-	-	-
3774-000 - MCC A, C, G, H Replacement (Liquids) (2021)	-	-	-	-	-	(5,014)	-	-	(5,014)
Total PC 17 Liquids	-	-	-	-	-	808,495	-	-	808,495

South Orange County Wastewater Authority

Total Large Capital Projects Cash Roll Forward for Q3 FY 2021-22

Large Capital Cash Balance as of March 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSB	IRWD	MNWD	SMWD	SCWD	Total
Common										
3715-000 - Switchgear Upgrade (2006)	-	-	-	-	-	-	-	-	-	-
3717-000 - Security Fencing (2015)	86	-	-	7	4	-	(165)	-	68	0
3718-000 - Access Bridge Upgrades (2015)	650	-	-	48	29	-	(1,257)	-	521	(8)
3761-000 - External Lighting Upgrade	22,511	-	-	38,296	1,192	-	293,960	-	17,986	373,946
3763-000 - Reroute Drains on Plant Perimeter (2017)	1,687	-	-	3,073	90	-	23,898	-	1,349	30,096
3764-000 - SCADA Improvements (2017)	726	-	-	2,762	45	-	23,535	-	575	27,642
3769-000 Trailer Drain Line (2020)	-	-	-	-	-	-	-	-	-	-
3788-000 - PLC Upgrade	-	-	-	-	-	-	-	-	-	-
3789-000 - Switchgear Upgrade Project Completion (2018)	-	-	-	-	-	-	-	-	-	-
3744-000 - Admin Building Repair design (2019)	854	-	-	1,398	45	-	10,645	-	683	13,625
3745-000 - West Slope Protection Evaluation (2019)	2,261	-	-	3,700	119	-	28,176	-	1,807	36,064
3746-000 - Motor Control Center A, G, H Design (2019)	4,844	-	-	7,927	255	-	60,360	-	3,871	77,257
3747-000 - Southside Plant Manhole Reconstruction (2019)	585	-	-	957	31	-	7,285	-	467	9,325
3748-000 - SE electrical Manhole reconstruction (2019)	(773)	-	-	(1,265)	(41)	-	(9,635)	-	(618)	(12,332)
37229C-000 - Laboratory Reconstruction	2,398	-	-	3,924	126	-	29,884	-	1,917	38,249
3779-000 - MCC A, C, G, H Replacement (Common) (2021)	(21)	-	-	(34)	(1)	-	(259)	-	(17)	(332)
Total PC 17 Common	35,809	-	-	60,792	1,893	-	466,429	-	28,610	593,532
Solids										
3722-000 - Co-gen Sys Retrofit (formerly Siloxane) (2015)	-	-	-	-	-	-	-	-	-	-
3723-000 - Recoat Top of Digesters (2016)	0	-	-	(1)	(0)	-	0	-	1	(0)
3724-000 Energy Building Structural and HVAC Modifications (2015)	(1,060)	-	-	(1,928)	(56)	-	(5,556)	-	(846)	(9,445)
3726-000 Co-Generation System Retrofit Design	(374)	-	-	(681)	(20)	-	(1,961)	-	(299)	(3,335)
3770-000 - Additional Budget CoGen Upgrade (2017)	0	-	-	-	-	-	1	-	-	1
3790-000 - Solids Area Upgrade Design (2018)	(6,437)	-	-	(11,710)	(339)	-	(33,748)	-	(5,141)	(57,374)
3791-000 - Cogeneration Area Upgrade Project Completion (2018)	-	-	-	-	-	-	-	-	-	-
3749-000 - Phase I Solids Piping Upgrade (2019)	43,023	-	-	78,260	2,263	-	225,540	-	34,356	383,441
3750-000 - Dewatering room Floor Sealing and Lighting (2019)	11,676	-	-	21,239	614	-	61,210	-	9,324	104,063
3751-000 - Energy Building Roof and Breezeway (2019)	-	-	-	-	-	-	-	-	-	-
3754-000 - SET Piping Reconstruction (2019)	6,115	-	-	11,123	322	-	32,057	-	4,883	54,500
3771-000 - Miscellaneous Safety Improvements - Solids (2020)	8,718	-	-	15,859	459	-	45,704	-	6,962	77,702
3772-000 - Hot Water Piping Reconstruction (2020)	35,139	-	-	63,920	1,848	-	184,211	-	28,061	313,178
3773-000 - Co-Generation System Modifications (2020)	23,262	-	-	42,315	1,223	-	121,950	-	18,577	207,328
Total PC 17 Solids	120,061	-	-	218,397	6,314	-	629,409	-	95,877	1,070,058
Total PC 17 Joint Regional Wastewater Reclamation	155,870	-	-	279,189	8,207	-	1,904,333	-	124,487	2,472,086

South Orange County Wastewater Authority

Total Large Capital Projects Cash Roll Forward for Q3 FY 2021-22

Large Capital Cash Balance as of March 31, 2022										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSB	IRWD	MNWD	SMWD	SCWD	Total
PC 21 Effluent Transmission Main										
Reach B/C/D										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	135,283	-	135,281	-	-	-	270,563
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	-	-	-	18,262	-	18,262	-	-	-	36,523
3107-000 - Air Valve Replacement Construction (D) (2021)	-	-	-	19,000	-	19,000	-	-	-	38,000
Total PC21 Reach B/C/D	-	-	-	172,544	-	172,542	-	-	-	345,086
Reach E										
3104-000 - Aliso Creek Long term Repair Planning (E) (2019)	-	-	-	39,266	-	39,266	-	-	-	78,533
3106-000 - Air Valve Replacement Design and Permitting (E) (2020)	-	-	-	17,431	-	17,431	39,980	-	-	74,843
3108-000 - Air Valve Replacement Construction (E) (2021)	-	-	-	14,440	-	14,440	33,120	-	-	62,000
Total PC21 Reach E	-	-	-	71,138	-	71,138	73,100	-	-	215,376
Total PC 21 Effluent Transmission Main	-	-	-	243,682	-	243,680	73,100	-	-	560,462
PC 24 Aliso Creek Ocean Outfall										
3401-000 - Emergency Plan Development (2016)	25	-	-	37	2	36	99	-	28	226
3407-000 - Internal Seal Replacement (2018)	(47)	-	-	(70)	(3)	(68)	(189)	-	(53)	(431)
3408-000 - Sampling System Repair (2020)	9,269	-	-	13,737	658	13,280	36,952	-	10,374	84,270
3480-000 - Internal Seal Replacement (2020)	13,067	-	-	19,363	927	18,721	52,090	-	14,624	118,792
Total PC 24 Aliso Creek Ocean Outfall	22,313	-	-	33,066	1,583	31,970	88,953	-	24,972	202,856
Total Large Capital Cash	1,195,321	8,575	938,058	555,937	89,964	275,649	3,540,837	788,179	1,638,283	9,030,804

South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q3 FY 2021-22

		Small Capital Cash Balance as of March 31, 2022									
		16	17	18	19	20	21	22	23	24	Total
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 02 J B Latham											
Liquids											
2221-004	Aeration Header Noise Cover	-	-	(10,879)	-	-	-	(8,160)	(6,120)	(10,199)	(35,358)
2221-006	4-side WAS Pump Overhaul	-	-	(4,562)	-	-	-	(3,422)	(2,566)	(4,277)	(14,828)
2221-017	Fixed Gas Detectors - JBL Liquids	-	-	(2,993)	-	-	-	(2,245)	(1,684)	(2,806)	(9,727)
2222-001	2 ISCO Samplers (between 3 PC's)	-	-	1,614	-	-	-	1,212	909	1,515	5,250
2222-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	6,693	-	-	-	5,019	3,765	6,273	21,750
2222-003	Building Lighting Improvements	-	-	5,076	-	-	-	3,807	2,856	4,761	16,500
2222-004	Pump Overhauls	-	-	(5,853)	-	-	-	(4,390)	(3,293)	(5,489)	(19,025)
2222-005	Replacement Liquids Side Bleach Tank	-	-	5,772	-	-	-	4,323	3,246	5,409	18,750
2222-006	Gate Replacements	-	-	962	-	-	-	720	541	903	3,126
2222-007	4-Side Headworks Roll up Door Replacement	-	-	6,693	-	-	-	5,019	3,765	6,273	21,750
2222-008	Replacement 4-Side Primary Scum Trough	-	-	4,614	-	-	-	3,465	2,595	4,326	15,000
2222-009	Mix Liquor Channel Air Line Replacement Project	-	-	5,769	-	-	-	4,326	3,246	5,409	18,750
2222-010	Spare Potable Water Pumps	-	-	2,307	-	-	-	1,731	1,299	2,163	7,500
2222-011	4-Side Replacement Primary Tank Covers	-	-	41,538	-	-	-	31,155	23,364	38,943	135,000
Total Liquids		-	-	56,751	-	-	-	42,562	31,923	53,203	184,438
Common											
2222-012	Safety Equipment	-	-	2,280	-	-	-	1,674	1,713	1,833	7,500
2222-013	Site Security and Access Upgrades 2022 (between 3 PC's)	-	-	11,394	-	-	-	8,382	8,565	9,159	37,500
2222-014	JBL HP SCADA Server Switch	-	-	3,417	-	-	-	2,514	2,571	2,748	11,250
2222-015	PA System (between 3 PC's)	-	-	14,814	-	-	-	10,896	11,136	11,904	48,750
Total PC 2 Common		-	-	31,905	-	-	-	23,466	23,985	25,644	105,000
Solids											
2221-028	Centrifuge Rebuild JBL	-	-	(9,694)	-	-	-	(6,986)	(9,170)	(6,462)	(32,312)
2222-016	Solids Buildings Door Replacements 21-22	-	-	5,175	-	-	-	3,729	4,896	3,450	17,250
2222-017	Pump Overhauls	-	-	(1,717)	-	-	-	(1,237)	(1,625)	(1,145)	(5,724)
2222-018	Foul Air Connection to Centrate Line	-	-	2,250	-	-	-	1,623	2,127	1,500	7,500
2222-019	Centrifuge Rebuild	-	-	12,375	-	-	-	8,919	11,706	8,250	41,250
2222-020	Replacement Flame Arresters	-	-	4,500	-	-	-	3,243	4,257	3,000	15,000
2222-021	Peterbilt Transmission Upfit (PC2/PC17)	-	-	1,125	-	-	-	810	1,065	750	3,750
2222-022	Engine Room Noise Reduction Project	-	-	5,625	-	-	-	4,053	5,322	3,750	18,750
2222-023	JBL Digester 1 and 2 Manway Access Improvements	-	-	(75,830)	-	-	-	(54,652)	(71,731)	(50,553)	(252,767)
Total PC 2 Solids		-	-	(56,191)	-	-	-	(40,499)	(53,153)	(37,461)	(187,303)
Total PC2 JB Latham		-	-	32,465	-	-	-	25,529	2,756	41,386	102,135

South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q3 FY 2021-22

		Small Capital Cash Balance as of March 31, 2022									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 15 Coastal Treatment Plant											
Liquids											
2222-001	2 ISCO Samplers (between 3 PC's)	1,989	-	-	-	156	-	1,539	-	1,566	5,250
2222-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	5,688	-	-	-	447	-	4,389	-	4,476	15,000
2522-025	Pump/Blower Overhauls	(4,152)	-	-	-	(328)	-	(3,203)	-	(3,269)	(10,952)
2522-026	Pump Control Rehabilitations	11,373	-	-	-	897	-	8,775	-	8,955	30,000
2522-027	Building Lighting Improvements	14,217	-	-	-	1,119	-	10,971	-	11,193	37,500
2522-028	Two Spare Foul Air Fans	9,951	-	-	-	783	-	7,680	-	7,836	26,250
2522-029	Liquids Buildings Door Replacements	10,843	-	-	-	854	-	8,366	-	8,537	28,600
2522-030	Gallery Area Floor Rehabilitations	17,061	-	-	-	1,344	-	13,161	-	13,434	45,000
2522-031	Building #13 Roof Replacement	8,529	-	-	-	672	-	6,582	-	6,717	22,500
2522-032	Potable Water Station Rehabilitation	11,373	-	-	-	897	-	8,775	-	8,955	30,000
2522-033	Drainage Pumping Station Roof Replacement	7,107	-	-	-	561	-	5,484	-	5,598	18,750
2522-034	Headworks Driveway Replacement	5,688	-	-	-	447	-	4,386	-	4,479	15,000
2522-047	Muffin Monster	(6,439)	-	-	-	(507)	-	(4,969)	-	(5,070)	(16,985)
Total PC 15 Liquids		93,227	-	-	-	7,343	-	71,937	-	73,406	245,913
Common											
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	(5,005)	-	-	-	(394)	-	(3,862)	-	(3,941)	(13,203)
2520-022	Fixed Gas Detector Equipment	(25,787)	-	-	-	(2,030)	-	(19,898)	-	(20,304)	(68,020)
2222-013	Site Security and Access Upgrades 2022 (between 3 PC's)	12,795	-	-	-	1,008	-	9,873	-	10,074	33,750
2222-015	PA System (between 3 PC's)	18,477	-	-	-	1,449	-	14,268	-	14,556	48,750
2522-035	Safety Equipment	2,844	-	-	-	225	-	2,193	-	2,238	7,500
2522-036	Landscape Renovations 21-22	10,236	-	-	-	807	-	7,896	-	8,061	27,000
2522-038	Replacement Roll Up Door	8,529	-	-	-	672	-	6,582	-	6,717	22,500
2522-039	CTP PLC Hardware Upgrades and Replacements 21-22	4,266	-	-	-	336	-	3,291	-	3,357	11,250
2522-040	CTP HP SCADA Server Switch	4,266	-	-	-	336	-	3,291	-	3,357	11,250
2522-041	CTP OIT Replacements 21-22	2,844	-	-	-	225	-	2,193	-	2,238	7,500
Total PC 15 Common		33,465	-	-	-	2,633	-	25,826	-	26,352	88,277
AWT											
2522-043	Replacement Turbidity Meter	-	-	-	-	-	-	-	-	5,250	5,250
Total PC 15 AWT		-	-	-	-	-	-	-	-	5,250	5,250
Total PC 15 Coastal Treatment Plant		126,692	-	-	-	9,976	-	97,763	-	105,009	339,440

South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q3 FY 2021-22

		Small Capital Cash Balance as of March 31, 2022									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation											
Liquids											
2222-001	2 ISCO Samplers (between 3 PC's)	-	-	-	-	-	-	5,250	-	-	5,250
2222-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	-	-	-	-	15,000	-	-	15,000
2722-046	Scum Pump Overhaul/Replacements	-	-	-	-	-	-	(4,758)	-	-	(4,758)
2722-047	Rebuild Low Pressure Water Pump	-	-	-	-	-	-	7,500	-	-	7,500
2722-048	Grit Pump Overhaul/Replacements	-	-	-	-	-	-	(12,708)	-	-	(12,708)
2722-049	Primary Pump Overhaul/Replacements	-	-	-	-	-	-	(2,707)	-	-	(2,707)
2722-050	Interstage Pump Overhaul	-	-	-	-	-	-	36,750	-	-	36,750
2722-051	Replacement RAS Valves	-	-	-	-	-	-	(2,665)	-	-	(2,665)
2722-052	Spare RAS Bleach Pump	-	-	-	-	-	-	18,750	-	-	18,750
2722-053	Headworks Area Building Doors	-	-	-	-	-	-	26,250	-	-	26,250
2722-054	Primary Area Building Doors	-	-	-	-	-	-	24,750	-	-	24,750
2722-072	Effluent Discharge Channel Cover	-	-	-	-	-	-	(24,379)	-	-	(24,379)
Total PC 17 Liquids		-	-	-	-	-	-	87,032	-	-	87,032
Common											
2222-013	Site Security and Access Upgrades 2022 (between 3 PC's)	3,288	-	-	5,388	174	-	41,016	-	2,634	52,500
2222-015	PA System (between 3 PC's)	3,198	-	-	5,232	168	-	39,846	-	2,556	51,000
2722-055	Safety Equipment	471	-	-	771	24	-	5,859	-	375	7,500
2722-056	Access Road Repaving	1,176	-	-	1,923	63	-	(4,301)	-	939	(200)
2722-057	Landscape Renovations 21-22	942	-	-	1,539	51	-	11,715	-	753	15,000
2722-059	RTP HP SCADA Server Switch	705	-	-	1,155	36	-	8,790	-	564	11,250
Total PC 17 Common		9,780	-	-	16,008	516	-	102,925	-	7,821	137,050

South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q3 FY 2021-22

		Small Capital Cash Balance as of March 31, 2022									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
Solids											
2722-061	Solids Area Buildings Replacement Doors	3,786	-	-	6,888	198	-	19,854	-	3,024	33,750
2722-062	Spare Centrifuge Feed Pump	(1,363)	-	-	(2,481)	(72)	-	(7,146)	-	(1,088)	(12,150)
2722-063	Spare Centrifuge Cyclo Drive	2,103	-	-	3,828	111	-	11,028	-	1,680	18,750
2722-064	Replacement Digester Sludge Pump	4,377	-	-	7,959	231	-	22,938	-	3,495	39,000
2722-065	ORT Fan Replacement/Overhaul	1,515	-	-	2,754	81	-	7,941	-	1,209	13,500
2722-066	Sludge Hauling Trailer Renovation	(1,389)	-	-	(2,524)	(74)	-	(7,272)	-	(1,107)	(12,366)
2722-067	Peterbilt Transmission Upfit (PC2/PC17)	420	-	-	765	21	-	2,208	-	336	3,750
2722-071	Replacement Digester Flame Arrestor	(2,709)	-	-	(4,928)	(142)	-	(14,203)	-	(2,164)	(24,146)
2722-073	RTP Sludge Flow Meter Replacements	(2,127)	-	-	(3,870)	(112)	-	(11,153)	-	(1,699)	(18,961)
	Total PC 17 Solids	4,613	-	-	8,390	242	-	24,195	-	3,686	41,126
AWT											
2721-019	Overhaul AWT Valve Actuator Systems	-	-	-	-	-	-	(76,659)	-	-	(76,659)
2722-068	Chlorine Contact Gates	-	-	-	-	-	-	36,750	-	-	36,750
2722-069	Spare Pulsafeeder Pump	-	-	-	-	-	-	15,000	-	-	15,000
2722-070	2021 AWT Improvements	-	-	-	-	-	-	(45,581)	-	-	(45,581)
	Total PC 17 AWT	-	-	-	-	-	-	(70,489)	-	-	(70,489)
	Total PC 17 Joint Regional Wastewater Reclamation	14,393	-	-	24,398	758	-	143,663	-	11,507	194,719
	Total Small Capital Cash	141,085	-	32,465	24,398	10,734	-	266,955	2,756	157,902	636,295

**South Orange County Wastewater Authority
Total Non-Capital Cash Roll Forward Q3 FY 2021-22**

Non-Capital Cash Balance as of March 31, 2022										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 02 J B Latham										
Liquids										
4201-000 - Plant 1 Blower Building Condition Assessment (2020)	-	-	(2,853)	-	-	-	(2,140)	(1,605)	(2,675)	(9,273)
Total Liquids	-	-	(2,853)	-	-	-	(2,140)	(1,605)	(2,675)	(9,273)
Common										
42221C-000 - Site Storage Evaluation	-	-	-	-	-	-	-	-	-	-
42222C-000 - Electrical Conduit and Cable Master Plan	-	-	-	-	-	-	-	-	-	-
Total Common	-	-	-	-	-	-	-	-	-	-
Total PC 2 JB Latham	-	-	(2,853)	-	-	-	(2,140)	(1,605)	(2,675)	(9,273)
PC 15 Coastal Treatment Plant										
Liquids										
45211L-000 - Plant Reconfiguration Feasibility Study	(1,066)	-	-	-	(84)	-	(823)	-	(840)	(2,813)
45226L-000 - Consequence of Failure Analysis	8,450	-	-	-	665	-	6,519	-	6,653	22,287
45212L-000 - Site Storage Evaluation	-	-	-	-	-	-	-	-	-	-
Total Liquids	7,384	-	-	-	581	-	5,696	-	5,814	19,475
Total PC 15 Coastal Treatment Plant	7,384	-	-	-	581	-	5,696	-	5,814	19,475
PC 17 Joint Regional Wastewater Reclamation										
Liquids										
47222L-000 - Secondary Effluent Conveyance Evaluation										
Total Liquids										
Common										
47212C-000 - Site Storage Evaluation	-	-	-	-	-	-	-	-	-	-
47224C-000 - Consequence of Failure Analysis	-	-	-	-	-	-	-	-	-	-
Total Common	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-
Total Non-Capital Cash	7,384	-	(2,853)	-	581	-	3,556	(1,605)	3,139	10,202

South Orange County Wastewater Authority
Total Non Capital Miscellaneous Cash Roll Forward Q3 FY 2021-22

		Non-Capital Miscellaneous Cash Balance as of March 31, 2021									
		16	17	18	19	20	21	22	23	24	Total
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 02 J B Latham											
Liquids											
5205-000(a)	PC 2 Asset Register Pilot Project Liquids (2020)	-	-	57	-	-	-	43	32	54	186
5207-000(l)	Air Handling System Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5208-000	Blower Bldg Imps Engineering Services (2020)	-	-	-	-	-	-	-	-	-	-
Total Liquids		-	-	57	-	-	-	43	32	54	186
Common											
5203-000	PC 2 Miscellaneous Engineering Common (2020)	-	-	55	-	-	-	40	41	44	181
5212-000	PC 2 Miscellaneous Engineering Common (2021)	-	-	-	-	-	-	-	-	-	-
52221C-000	Arc Flash 5-Year Update	-	-	1,823	-	-	-	1,341	1,371	1,465	6,000
5222C-000	NFPA 70 Classification Mapping	-	-	-	-	-	-	-	-	-	-
52223C-000	DHS Facility Compliance Review	-	-	-	-	-	-	-	-	-	-
Total PC 2 Common		-	-	1,878	-	-	-	1,381	1,412	1,510	6,181
Total PC2 JB Latham		-	-	1,935	-	-	-	1,424	1,444	1,563	6,367
PC 05 San Juan Creek Ocean Outfall											
5615-000	PC 5 Miscellaneous Engineering Outfall (2020)	-	-	-	-	-	-	-	-	-	-
56221O-000	Outfall Port Cleaning	-	3,740	2,493	-	-	-	3,490	9,972	2,806	22,500
Total PC05 SJ Creek Outfall		-	3,740	2,493	-	-	-	3,490	9,972	2,806	22,500
PC 17 Joint Regional Wastewater Reclamation Solids											
5204-000(b)	PC 17 Innovative Biosolids Solids (2020)	-	-	-	-	-	-	-	-	-	-
5205-000(b)	PC 17 Asset Register Pilot Project Solids (2020)	-	-	-	-	-	-	-	-	-	-
5704-000	Engine Permitting (2020)	-	-	-	-	-	-	-	-	-	-
5706-000	Update Cost Escalation Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5707-000	ARC Flash Analysis Update (2020)	-	-	-	-	-	-	-	-	-	-
57224S-000	Cogen SGIP (2022)	320	-	-	582	16	-	1,676	-	256	2,850
Total PC 17 Solids		320	-	-	582	16	-	1,676	-	256	2,850
AWT											
Total PC 17 AWT		-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation		320	-	-	582	16	-	1,676	-	256	2,850
PC 24 Aliso Creek Ocean Outfall											
5415-000	PC 24 Miscellaneous Engineering Outfall (2020)	-	-	-	-	-	-	-	-	-	-
54221O-000	Outfall Port Cleaning	2,475	-	-	3,668	176	3,546	9,866	-	2,770	22,500
Total PC 24 Aliso Creek Outfall		2,475	-	-	3,668	176	3,546	9,866	-	2,770	22,500
Total Non-Capital Miscellaneous Cash		2,795	3,740	4,428	4,250	192	3,546	16,457	11,416	7,395	54,217

Agenda Item

6.H.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
CONTACT: Dina Ash, Human Resources Administrator
SUBJECT: SOCWA 457b Plan Investment Policy Update

Summary/Discussion

SOCWA offers to its employees a 457b Plan for investment of employee savings toward future retirement. As a plan sponsor, SOCWA has fiduciary obligations to maintenance of the plan.

At the SOCWA Board of Directors meeting on September 5, 2019, the Board authorized the General Manager to retain both Nationwide and Wells Fargo Advisory Services to provide plan administration and advisory services. As part of these agreements for services, the Plan Advisory Services are funded by Nationwide. In July 2021, Nationwide notified SOCWA that the Plan Advisory Services would change from Wells Fargo to First Light Retirement, LLC ("First Light") although the actual services are continuing to be provided by the same team, Tom Wolfson and Tyler Wolfson.

Plan Advisory Services include employee education, an annual review of the performance of the investment choices within the SOCWA 457b Plan, interface with Nationwide to maintain quality services, and active monitoring of fund performance for any changes that may occur in fund style or performance. The annual review of the performance of the investments in the Plan is conducted through a SOCWA Employee Committee which also meets quarterly to hear progress updates. Recently, First Light recommended that the Employee Committee sign an updated Investment Policy Statement with updated numbers and current investments to reflect changes since 2019 (see attached). The Policy Statement should be updated every three to five years.

Since SOCWA is responsible for the Plan, Staff brought the item to the Finance Committee for recommendation to the Board and the Finance Committee was in agreement that the SOCWA Employee Committee sign the attached Investment Policy Statement.

The Finance Committee requested that staff return to the Finance Committee with an update on the fee structures for the Nationwide and Advisory services and report on the satisfaction of the employees with Nationwide and the Advisor. A report will be made back to the Finance Committee by the September 2022 Committee Meeting.

Recommended Action: The Finance Committee recommends that the Board of Directors approve the SOCWA Employee Committee moving ahead to sign a revised Investment Policy Statement.

Investment Policy Statement
For
South Orange County Wastewater
Authority
Defined Contribution 457(b) Plan

February 10, 2022

Executive Summary:

Name of Plan: South Orange County Wastewater Authority 457(b) Deferred Compensation Plan

Plan Sponsor: South Orange County Wastewater Authority

Type of Plan: Defined Contribution – Profit Sharing 457(b) Plan

Current Assets: \$10,852,657 (as of 02-10-2022)

Asset Allocation: To be determined by plan participants

Investment Horizon: Five to seven years

Investment Managers: Public mutual funds

Fiduciary Committee: Dina Ash – Human Resources Administrator
Betty Burnett –
Gage Gesiriech –
Dan Grilley – DG
Danita Hirsh –

Trustee and Custodian: Nationwide Trust Company

Plan Record Keeper: Nationwide Plan Services

Plan Advisor: First Light Retirement, LLC

Definitions:

- A. “Plan” shall mean the South Orange County Wastewater Authority 457(b) Deferred Compensation Plan.
- B. “Committee” shall mean the governing board established to administer the Plan as specified by applicable ordinance.
- C. “ERISA” shall mean the Employee Retirement Income Security Act of 1974, amendments thereto, and implementing regulations or applicable state law or local ordinance.
- D. “Investment Manager” shall mean any organization or individual employed to manage assets of the plan.

- E. "Advisor" shall mean any organization or individual employed to provide monitoring, reporting and measurement services.
- F. "Equities" shall mean common stocks, convertible stocks or other securities representing ownership.
- G. "Fixed Income" shall mean corporate or government bonds representing debt.
- H. "Market Cycle" shall mean 5 to 7 years.

I. Purpose

- A. The purpose of this Investment Policy Statement is to assist South Orange County Wastewater Authority's Fiduciary Committee in effectively supervising, monitoring and evaluating the Plan with the participants best interests in mind.
- B. This Investment Policy Statement may be changed at any time by the Fiduciary Committee and shall be reviewed at least annually.
- C. The Plan's investment program is defined in the various sections of the written investment objectives, including:
 - i. Stating in a written document the Committee's attitudes, expectations, objectives and guidelines in the investment of all Plan assets.
 - ii. Setting forth a structure for providing plan participants with appropriate investment option diversification. This structure includes a range of investment options that, in total, provide the Plan participants with materially different investment options to produce a sufficient level of overall diversification.
 - iii. Providing guidelines for each investment option that controls the level of overall risk and liquidity assumed in each investment option so that all plan assets are managed in accordance with stated objectives.
 - iv. Encouraging effective communications between the Committee and the Plan Advisor.
 - v. Establishing formalized criteria to monitor, evaluate and compare the performance results achieved by the investment managers.
 - vi. Complying with all ERISA, fiduciary, prudence and due diligence requirements that experienced investment professionals would utilize, and with all applicable laws, rules and regulations from various local, state, federal and international political entities that may impact Plan assets.

II. Control Procedures

A. Duties and Responsibilities of the Fiduciary Committee

- i. Prepare and maintain this Investment Policy Statement.
- ii. Adopt and execute the policies of this Investment Policy.
- iii. Select, engage, and supervise the Advisor, Record keeper, Custodian, and directed Trustee associated with the Plan.
- iv. Review contracts of each above mentioned vendor on an ongoing basis as appropriate.
- v. Review the Auditor, Advisor and Record-keeper relevant to their separate roles in supporting the Plan. The Committee should request action be taken to correct any issues or concerns as they arise. The Committee should consider a replacement for the provider if an issue persists. The Committee will perform this review every other year.
- vi. Prudently select and monitor plan investments.
- vii. Select a broad range of investment options to provide appropriate diversification to plan participants.
- viii. Determine the appropriate default investment for participants that are without specific investment direction.
- ix. Avoid prohibited transactions and conflicts of interest.

B. Duties and Responsibilities of the Retirement Plan Advisors

- i. Monitor the Plan assets in accordance with the Investment Policy Statement objectives and guidelines set forth herein.
- ii. Promptly inform the Committee regarding all significant and/or material matters and changes pertaining to the investment of the Plan assets, including, but not limited to:
 - a. Changes in investment strategy, portfolio structure, tactical approaches and significant market value of managed assets.
 - b. Changes in the ownership, organizational structure, financial condition, and/or professional staff of the Plan Advisor's firm.
 - c. All material legal, SEC and other regulatory agency proceedings affecting the Plan.

Each Advisor shall utilize the same care, skill, prudence and due diligence under the circumstances then prevailing that experienced investment professionals acting in a like capacity and fully familiar with such matters would use in similar activities for similar retirement plans with like aims in accordance and compliance

with all applicable laws, rules and regulations from local, state, federal, and international political entities as it pertains to fiduciary duties and responsibilities.

III. General Investment Principles

- A. Investment options shall be selected solely in the interest of the participants and beneficiaries of the Plan and for the exclusive purpose of providing benefits accrued there under.
- B. The investment options shall be chosen with the care, skill, prudence and diligence under the circumstances prevailing at that time that a prudent man acting in a like capacity and familiar with such matters would use in the investment of a fund with similar characteristics and goals.
- C. Investment options of the Plan shall be diversified as to minimize the risk of large losses.
- D. Short-term fluctuations in value shall be considered secondary to long-term results.
- E. All investment decisions must be in accordance with ERISA or other applicable statutes.
- F. The Trustees may employ one or more fund managers of varying styles and expertise to obtain the Plan's objectives.
- G. Cash is to be productively employed at all times by investment in short term cash equivalents to provide safety, liquidity and return.

IV. Investment Objectives & Fiduciary Committee Responsibilities

- A. The investment objectives of the Plan have been established in conjunction with a comprehensive review of desired plan results. Investment objectives are:
 - i. To provide materially diverse investment options in the Plan. These may include investment options ranging from small to large capitalization stock funds, international or global funds or income oriented bond funds.
 - ii. To maximize returns, within each investment option, within reasonable and prudent levels of risk.
- B. The Fiduciary Committee will:
 - i. Evaluate investments with a minimum three-year history, except index funds where the index tracked has sufficient history.
 - ii. Ensure funds have at least \$100 million under management across all share classes.

- iii. Ensure the portfolio manager has at least three-year tenure, or equivalent experience even if that is only the senior member of a management team.
- iv. Ensure a minimum of 80% of the fund's securities are consistent with the peer group's asset class.
- v. Ensure the Committee's intended category of each fund and current Morningstar category are the same at selection and at each periodic review.
- vi. Ensure the fund's net expense ratio is the same as or less expensive than the category average of the peer group unless performance justifies otherwise.
- vii. Ensure the fund's five-year trailing net performance is at or above the corresponding benchmark and/or appropriate for the level of risk undertaken for the performance achieved.

C. Investment Restrictions

The Committee believes that the following investments are inappropriate for the funds above and should be avoided:

- i. Alternative Investments, i.e., hedge funds
- ii. Limited Partnerships

V. Investment Options

The Committee, with the assistance of the Advisor, will select the appropriate investment options. Investment options must meet the following criteria:

- A. Must be a bank, insurance company, or investment advisor as defined by the Registered Investment Advisors Act of 1940.
- B. Must provide historical quarterly performance numbers calculated on a time-weighted basis, based on a composite of all fully discretionary accounts of similar investment style, and reported net of fees.
- C. Must provide performance evaluation reports prepared by an objective third party that illustrate the risk/reward profile of the manager relative to other managers of like investment style.
- D. Must provide detailed information on the history of the firm, key personnel, key clients, fee schedule, and support personnel. This information can be a copy of a request for Proposal (RFP) completed by the Manager or Advisors Act ADV Form Part II.

VI. Investment Categories Offered and Appropriate Benchmarks

Category	Benchmark
Technology	Morningstar Technology
Real Estate	Morningstar Real Estate
Emerging Markets	Morningstar Diversified Emerging Markets
Foreign Large-Cap Growth	Morningstar Foreign Large-Cap Growth
Foreign Large-Cap Blend	Morningstar Foreign Large-Cap Blend
World Large Stock Growth	Morningstar World Large Stock Growth
Small-Cap Growth	Morningstar Small-Cap Growth
Small-Cap Blend	Morningstar Small-Cap Blend
Small-Cap Value	Morningstar Small-Cap Value
Mid-Cap Growth	Morningstar Mid-Cap Growth
Mid-Cap Blend	Morningstar Mid-Cap Blend
Mid-Cap Value	Morningstar Mid-Cap Value
Large-Cap Growth	Morningstar Large-Cap Growth
Large-Cap Blend	Morningstar Large-Cap Blend
Large-Cap Value	Morningstar Large-Cap Value
Target Date Funds	Morningstar Target Date
High Yield Bond	Morningstar High Yield Bond
Intermediate-Term Bond	Morningstar Intermediate Term Bond
Inflation-Protected Bond	Morningstar US TIPS
Safe Harbor Funds	US Treasury Bill 3 month

VII. Delegation of Authority

The Committee will not exercise any control over investment decisions, with the exception of specific limitations described in these statements. Investment Managers will be held responsible for their performance against the appropriate benchmarks.

VIII. Guidelines and Investment Policy

- A. Time Horizon - the investment guidelines are based upon an investment time horizon of greater than five years, so that interim fluctuations should be viewed with a long-term perspective.
- B. Risk Tolerances - the Committee recognizes the difficulty of achieving the Plan's investment objectives in light of the uncertainties and complexities of contemporary investment markets. The committee also recognizes that some risk must be assumed to achieve the Plan's investment objectives. In establishing the risk tolerances of the Investment Policy Statement, the ability of the Plan to withstand short and intermediate term variability was considered.
- C. South Orange County Wastewater Authority's long term business prospects suggest collectively that the Plan can tolerate interim fluctuations in market value and rates of return in order to achieve long-term objectives.
- D. Review Process

- i. Frequency - the Committee recognizes that all investments go through cycles and therefore there will be short periods in which the long-term investment objectives are not met. The Committee therefore established a goal of achieving the stated investment return objectives over any five-year period. Normally, any changes in assets or managers have at least five years to prove their ability. However, the Committee reserves the right to change funds at any time as long as the Committee believes the change is in the best interests of the participants.
- ii. Performance - the Advisor shall monitor the plan assets on a quarterly basis. The Committee shall review the results of all investments on an annual basis or as needed. In such a review, they shall consider the performance of each investment category against comparable market indices. The Committee shall request of the Advisor additional information as to why the results occurred and what their recommendation for action might be when the performance of any particular investment or investment category is less than anticipated.
- iii. Material Changes – The Committee will review material changes in the investment option’s organization, fund manager, and investment philosophy to evaluate whether it continues to be an option offered to plan participants. Any legal, SEC, or regulatory proceedings will also be considered.
- iv. Expenses – The Committee will review annually all costs associated with management of the plan. This includes the expense ratios of each mutual fund against their appropriate peer group and the administrative fees including record keeping, custody, and trust services.
- v. Corrective measures - one or more of the following procedures will be implemented if an investment fails to maintain the Committee expectations; depending on the magnitude of the individual fund’s failure to meet the Committee’s expectations, the corrective measures may be implemented over 2-3 quarters or immediately depending on the severity:
 - a. Add a similar investment to provide an alternative choice for participants and notify all participants of the additional alternative.
 - b. Restrict the investment from additional deposits.
 - c. Liquidate the investment and transfer all assets to the alternative similar investment.
 - d. Place the investment on a “watch list” or designate it as “red flagged” but continue to make it available to plan participants.
 - e. Other measures that the Committee deems appropriate.

Agenda Item

6.I.1.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: Operations Report March 2022

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 March, 2022

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.59	7.18	7.49	0.94	18.20
Effluent (mgd)	1.97	2.09	7.49	2.34	13.88
Peak Flow (mgd)	7.69	18.27	12.50	8.16	46.62
Influent BOD (mg/l)	305	279	347	374	
Influent TSS (mg/l)	307	338	430	332	
Effluent BOD (mg/l)	5.9	5.5	8.7	10.1	
Effluent TSS (mg/l)	5.5	5.7	9.3	12.6	
Effluent Turbidity (NTU)	4.0	3.3	4.7	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)	0.80	5.10		5.90
Days of Operation (days)	24	31		
Total Flow (million gallons)	25.0	158.0		183.0
Plant Irrigation (million gallons)	0.00	0.03	0.24	
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 March, 2022 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		787.6	0.0	787.6
Nursery Products (tons)		347.1	602.6	949.8
Prima Deshecha (tons)		38.4	251.7	290.1
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,173.2	854.3	2,027.5

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	146	339	183	668
Corrective Maintenance	27	52	74	153

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	0	0	0	0
Residents	0	0	0	0
Others	5	4	15	24
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	39.1	NA	51.1

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	NA	0.0
Utility Power Purchase (kWh)	202,321	88,774	205,799	496,894
Cogen Power (kWh)		546,043	429,093	975,136
Natural Gas (Dth)	NA	1,540	NA	1,540
Digester Gas to Engine (scfm)		8,767,540	5,406,113	14,173,653
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		1,093,069	660,475	1,753,544
Digester Gas Power Savings		\$77,674		

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 March, 2022 (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	1.470	56.08%				1.47
EBSO	0.055	2.11%				0.06
SCWD	1.096	41.81%		1.556	18.47%	2.65
MNWD	0.000	0.00%	7.18	1.400	16.62%	8.58
CSJC				1.984	23.55%	1.98
SMWD				3.484	41.36%	3.48
Total	2.621	100.00%	7.18	8.424	100.00%	18.23

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.47	16.42%	1.47	
EBSO				0.06	0.62%	0.06	
SCWD	1.74	13.65%		0.44	4.94%	2.18	Includes Desalters
MNWD	2.45	19.29%		2.09	23.32%	4.54	
ETWD				2.05	22.86%	2.05	Direct Outfall Only
CSJC	2.45	19.25%				2.45	Includes Desalter
SMWD	3.51	27.58%				3.51	Includes Chiquita
CSC	2.57	20.24%				2.57	Direct Outfall Only
IRWD				2.85	31.83%	2.85	Direct Outfall Only
Total	12.72	100.00%	9.32	8.95	100.00%	21.67	

SOCWA Operational Report March, 2022 (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%	1.984	23.55%	2.18	30.30%
MNWD	3.00	23.08%	1.400	15.97%	1.400	16.62%	1.40	19.49%
SCWD	3.75	28.85%	1.805	20.59%	1.556	18.47%	1.63	22.67%
SMWD	2.25	17.31%	3.421	39.03%	3.484	41.36%	1.98	27.53%
Total	13.00	100.00%	8.766	100.00%	8.424	100.00%	7.18	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%	6,547	23.64%	6,369	23.65%
MNWD	8,340	21.62%	5,612	21.22%	4,666	16.85%	6,551	24.33%
SCWD	7,715	20.00%	6,238	23.59%	4,869	17.58%	6,191	22.99%
SMWD	10,946	28.38%	8,548	32.32%	11,613	41.93%	7,817	29.03%
Total	38,573	100.00%	26,444	100.00%	27,695	100.00%	26,929	100.00%

Project Committee No. 5 - San Juan Creek Ocean Outfall (SJC00)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	2.575	20.24%	2.582	22.87%
CSJC	11.08%	8.860	11.08%	2.448	19.25%	2.603	23.06%
MNWD(3)	15.51%	12.410	15.51%	2.454	19.29%	2.249	19.92%
SCWD	12.46%	9.970	12.46%	1.736	13.65%	1.844	16.33%
SMWD	44.32%	35.460	44.33%	3.508	27.58%	2.011	17.82%
Total	100.00%	80.000	100.00%	12.720	100.00%	11.289	100.00%

(1) Influent billing meter summary:

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

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

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

SOCWA Operational Report March, 2022 (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%	1.470	56.08%	1.451	53.90%
EBSD	0.20	2.99%	0.080	2.83%	0.055	2.11%	0.064	2.37%
SCWD	2.00	29.85%	1.150	40.65%	1.096	41.81%	1.177	43.73%
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%	2.621	100.00%	2.691	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	0.0151	0.0151	0.2066%	0.0144	0.1919%
EBSD	0.00001	0.0001%	0.0000	0.0006	0.0006	0.0078%	0.0006	0.0085%
SCWD	0.00345	0.0442%	0.0000	0.0112	0.0112	0.1540%	0.0116	0.1548%
ETWD	0.01472	0.1884%	0.0000	0.0183	0.0183	0.2510%	0.0171	0.2275%
MNWD	7.78597	99.6679%	7.1848	0.0662	7.2510	99.3807%	7.4701	99.4174%
Total	7.81191	100.0000%	7.1848	0.1113	7.2962	100.0000%	7.5139	100.0000%

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

SOCWA Operational Report March, 2022 (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%	150,802	13.54%	139,155	12.77%
EBSD	295	0.59%	320	0.92%	5,675	0.51%	6,133	0.56%
SCWD	4,480	8.96%	2,803	8.09%	112,413	10.09%	112,355	10.31%
ETWD	10,200	20.41%	5,282	15.25%	183,245	16.45%	164,463	15.09%
MNWD	29,395	58.82%	21,107	60.92%	662,014	59.42%	667,936	61.28%
Total	49,975	100.00%	34,645	100.00%	1,114,149	100.00%	1,090,041	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%	1.470	16.42%	1.451	15.61%
EBSD	0.78%	0.390	0.78%	0.055	0.62%	0.064	0.69%
ETWD	16.30%	8.151	16.30%	2.046	22.86%	2.141	23.04%
IRWD	15.76%	7.880	15.76%	2.849	31.83%	2.760	29.69%
MNWD	43.85%	21.924	43.85%	2.088	23.32%	2.345	25.22%
SCWD	12.31%	6.155	12.31%	0.443	4.94%	0.535	5.76%
Total	100.00%	50.000	100.00%	8.951	100.00%	9.296	100.00%

SOCWA Operational Report March, 2022 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Disassembled and repaired Digester #2 mixing valves, which had become corroded and stuck.

Replaced the 9-Side Primary Sludge Pump #2 stator, which had failed due to use and age.

Repaired a leak in the FeCl₂ line that failed at a corroded fitting.

Completed repairs on the JBL perimeter fencing, which was damaged during the winter storms.

Setup site equipment to prepare for cleaning Digester #1.

Replaced failed Digester valve on the digester sludge transfer line, which had become corroded and stuck.

Replaced the 9-Side Raw Sewage Pump #1 motor, which failed due to age.

Replaced all the supernatant, manual, waste, and heat loop digester valves on Digester #1 that were failing and at the end of their useful lives. (This work is being done in coordination with the ongoing Package B project.)

Supported Package B construction in the Primary Basins and Influent Channel by removing and reinstalling the emergency pump and RAS piping.

CTP - PC15

Performed repairs on Ferric Pump piping which had begun leaking due to corrosion.

Disassembled a DAFT #1 mixing valve which had become clogged with rags.

Removed blockage via Jetter in the Scum Line and returned to service.

Replaced sections of the effluent agitation airline, which had become heavily corroded and starting to leak.

Overhauled the main scrubber blower fan.

Replaced failed shear pin for Secondary Tank #2, which had broken due to corrosion.

RTP - PC17

Repaired 3W High-Pressure piping system, which had failed underground due to corrosion.

Troubleshoot final turbidity sample pump, which was sucking air and losing vacuum.

Removed AWT Cell #6 backwash valve due to torn seat; installed a new seating gasket.

Continued repairing piping spacing issues for AWT Cell #6 due to site settlement.

Fabricated replacement brackets for the Primary Hydrorangers from stainless steel.

Worked to get the Peterbilt repaired and a rent replacement Biosolids truck.

Support Services - ALL PC'S

Continued to coordinate Blower Panel upgrades with a contractor at RTP.

PLC/SCADA screen upgrades for DAFT 1 Package B startup at JBL.

Troubleshoot performance issues with the heat loop at RTP.

Replaced obsolete and failing lights with new energy-efficient LED fixtures in the Blower and AWT MCC rooms at RTP.

Replaced a failed solenoid valve on the Polymer Mixing Tank at RTP.

Replaced failed UPS battery backup for PLC Control Cabinet at RTP.

Replaced failed bearing on Foul Air Fan #2 at JBL.

SOCWA Operational Report March, 2022 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Performed repairs on damaged conduit around the Storm Water Pump Station at RTP.
Replaced failed 16" Sparling flowmeter and controller at RTP
Repaired Cogen Hot Water Pump electronic overload, which was tripping at JBL.
Replaced obsolete and failing emergency lighting in the Operations room at JBL.
Replaced failing Scrubber #2 controller for Caustic Stage 2/3 pump at JBL.
Replaced motor for RSP #5 due to aging windings that were out of specifications at JBL.
Replaced failing Scrubber Stage 2/3 caustic pump motor at CTP.
Performed annual Nitratex Probe calibration at CTP.

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

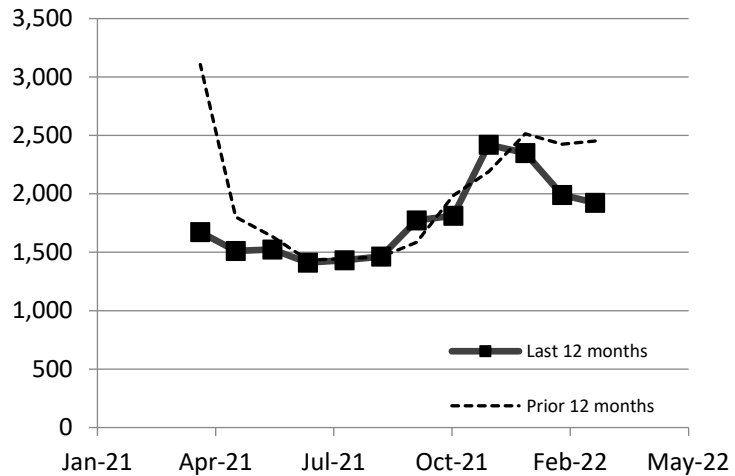
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report March, 2022 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.47	16.42%	1.47
EBSB			0.06	0.62%	0.06
SCWD	1.74	13.65%	0.44	4.94%	2.18
MNWD	2.45	19.29%	2.09	23.32%	4.54
ETWD			2.05	22.86%	2.05
CSJC	2.45	19.25%			2.45
SMWD	3.51	27.58%			3.51
CSC	2.57	20.24%			2.57
IRWD			2.85	31.83%	2.85
Total	12.72	100.00%	8.95	100.00%	21.67
or Acre-Feet per year equivalent					24,271

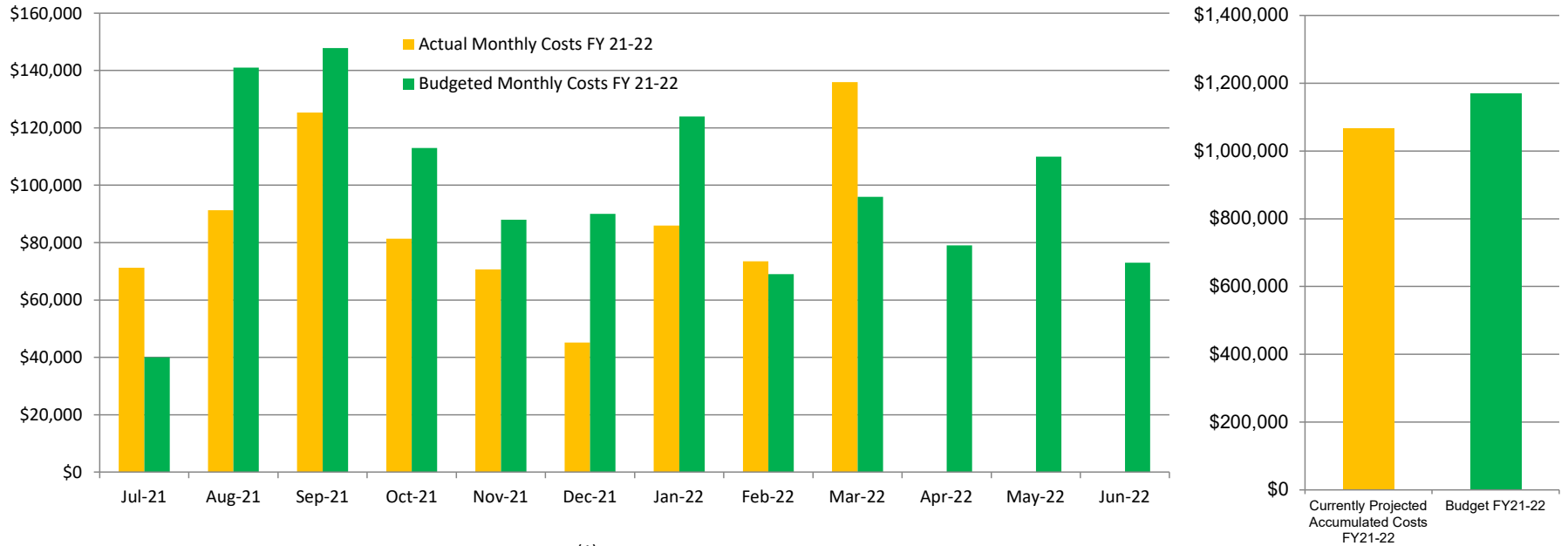
12-Month Running Total Discharge to Ocean Outfalls (AF)

Mar-22	1,924
Feb-22	1,991
Jan-22	2,349
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	1,673
Total	21,288



Quarterly Report on Key Operational Expenses

Electricity (5002) Costs

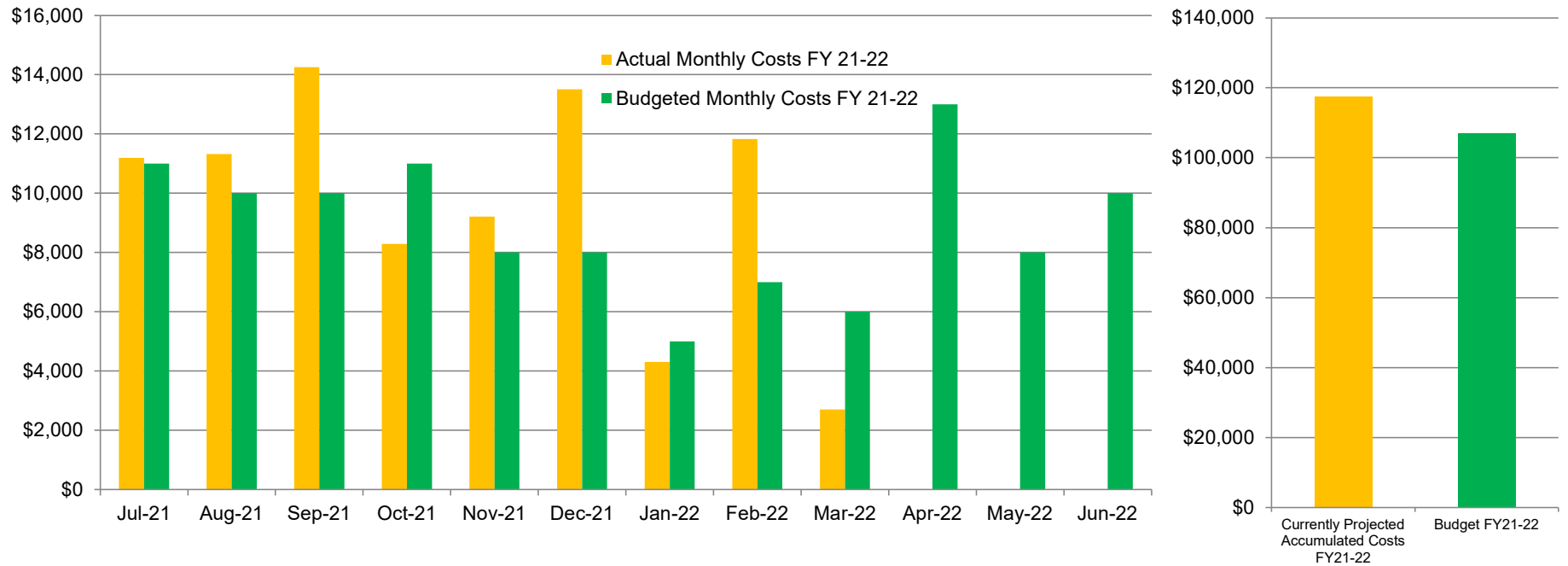


(1)

	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	Budget FY21-22
Actual Monthly Costs FY 21-22	\$71,259	\$91,257	\$125,352	\$81,386	\$70,668	\$45,219	\$85,906	\$73,475	\$135,904				\$1,065,425	\$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	\$105,355

(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.

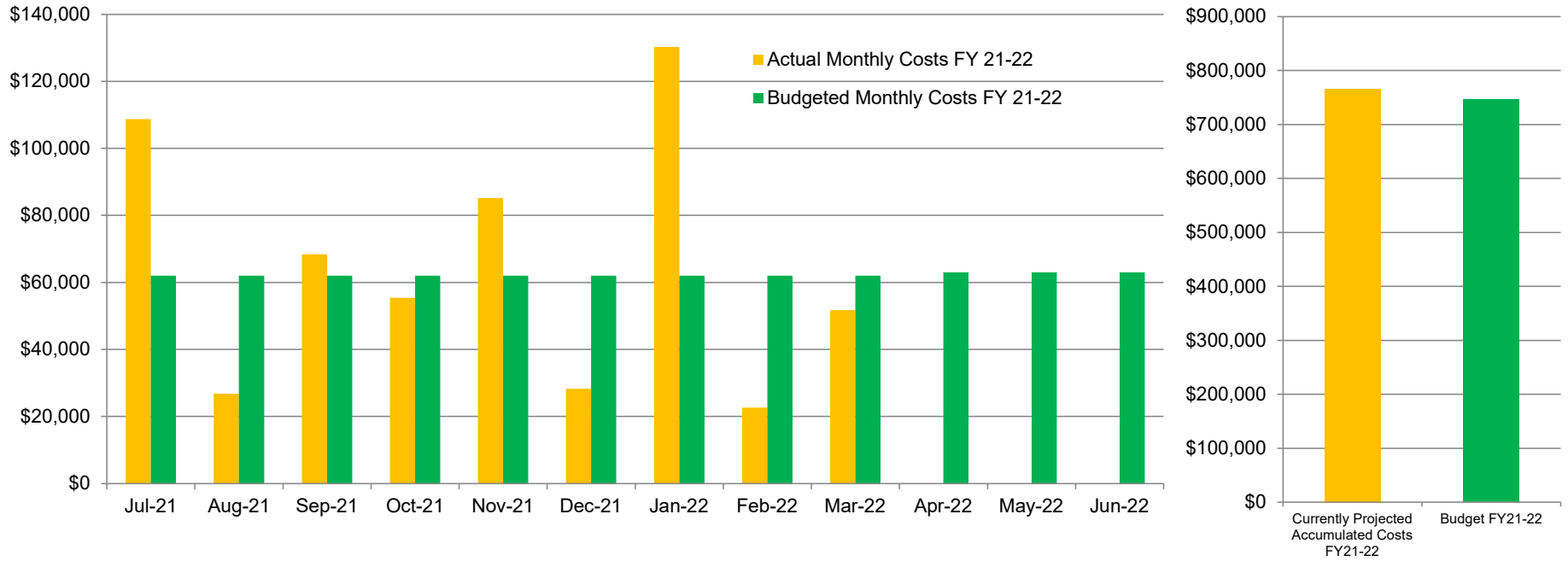
Odor Control (5009) Costs



	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	\$117,595
Actual Monthly Costs FY 21-22	\$11,185	\$11,319	\$14,252	\$8,289	\$9,209	\$13,506	\$4,308	\$11,823	\$2,703				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(1)	-\$10,595

(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

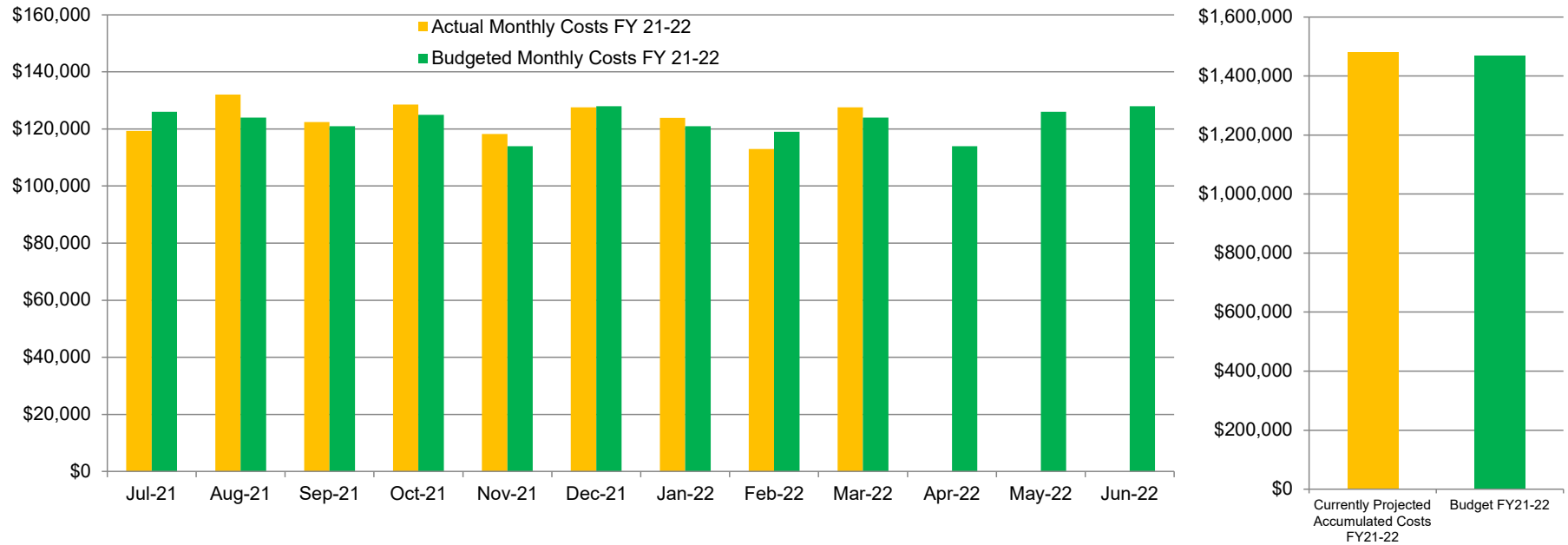
Polymer (5007) Costs



	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	Budget FY21-22
Actual Monthly Costs FY 21-22	\$108,707	\$26,765	\$68,354	\$55,408	\$85,141	\$28,236	\$130,244	\$22,654	\$51,761				\$766,270	\$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(1)	-\$19,270

(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

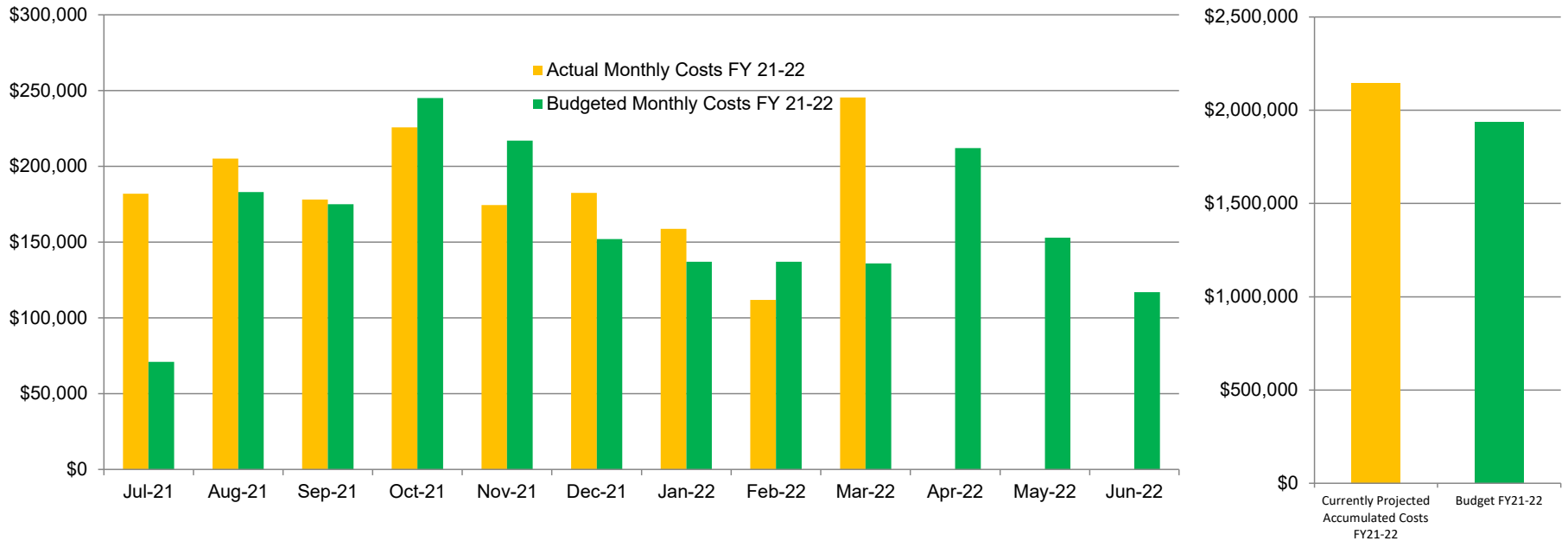
Biosolids (5049) Costs



	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	\$1,480,410
Actual Monthly Costs FY 21-22	\$119,323	\$132,048	\$122,381	\$128,512	\$118,219	\$127,551	\$123,884	\$112,938	\$127,552				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(1)	-\$10,410

(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

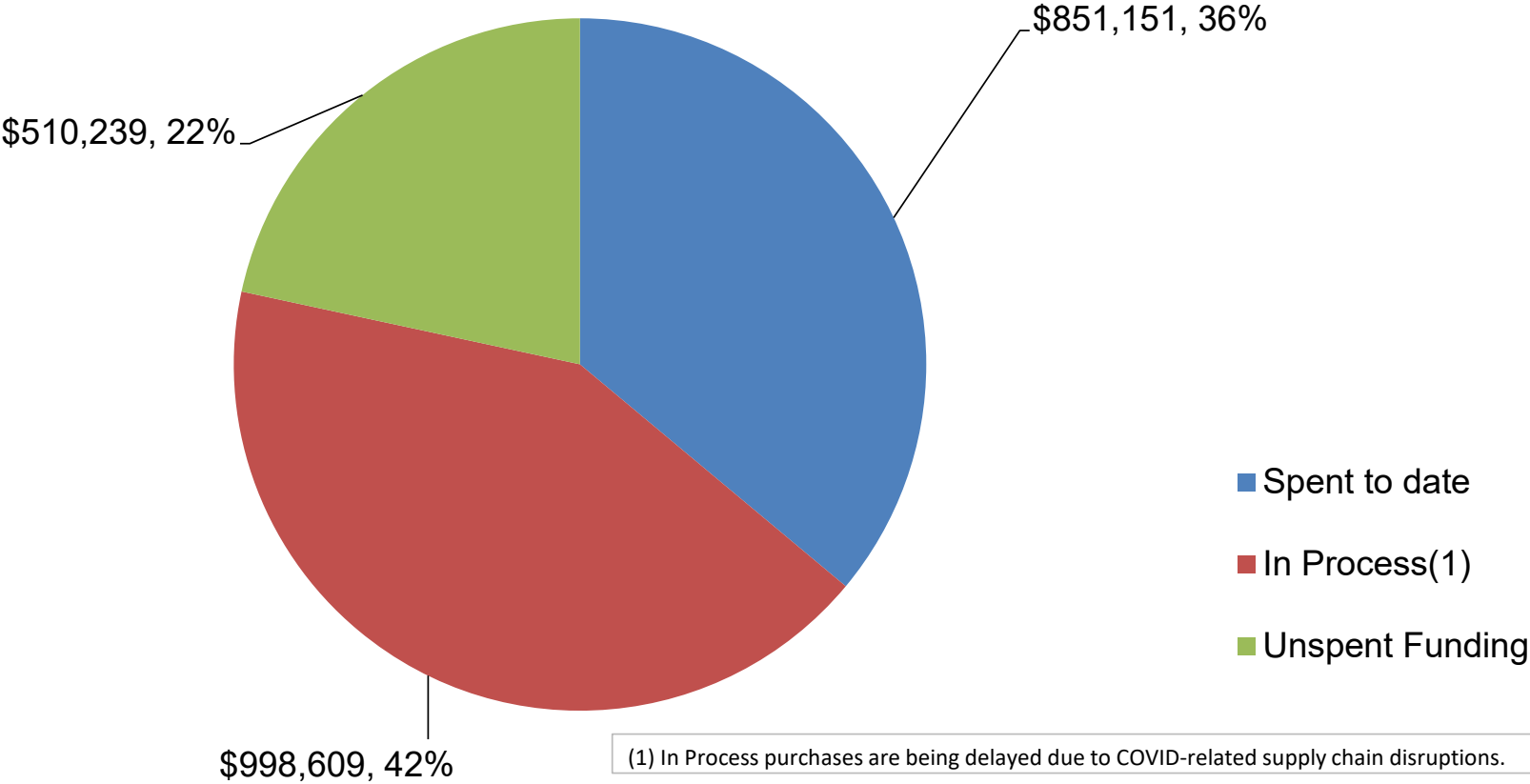
Maintenance Repair (5056 to 5060) Costs



	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	
Actual Monthly Costs FY 21-22	\$182,008	\$205,162	\$178,077	\$225,699	\$174,392	\$182,448	\$158,727	\$111,906	\$245,424				Currently Projected Accumulated Costs FY21-22	\$2,145,844
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	Budget FY21-22	\$1,935,000
													Currently Projected Under(+)/Over (-) Budget(1)	-\$210,844

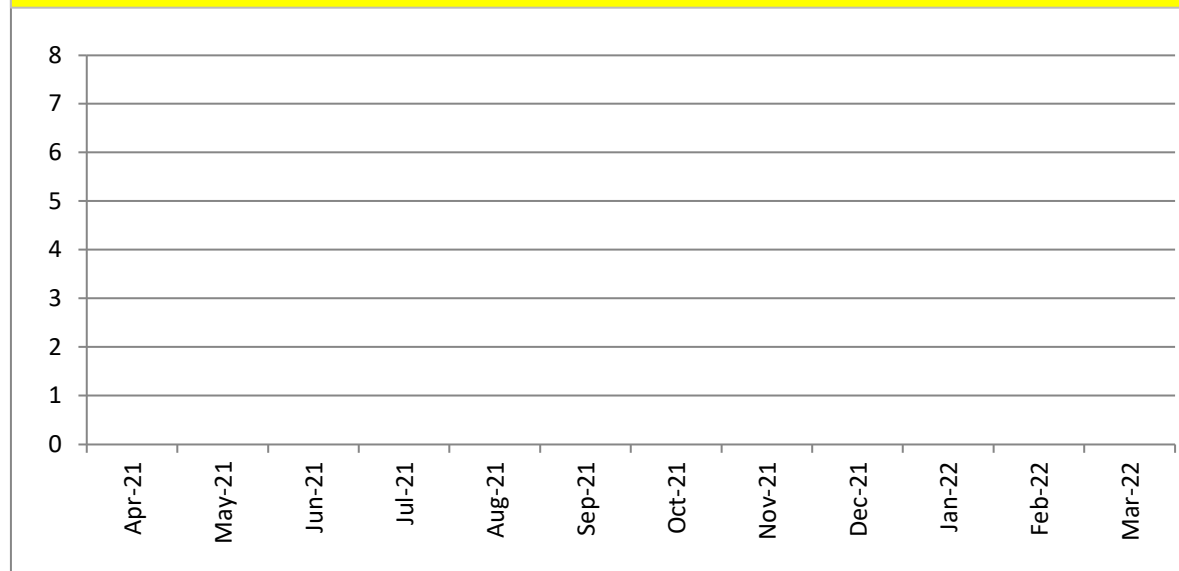
(1) Actual costs are coming in higher than budgeted due to supply chain, commodity shortages and fuel increases driving experienced costs higher than anticipated.

FY21-22 Small Internal Capital Costs



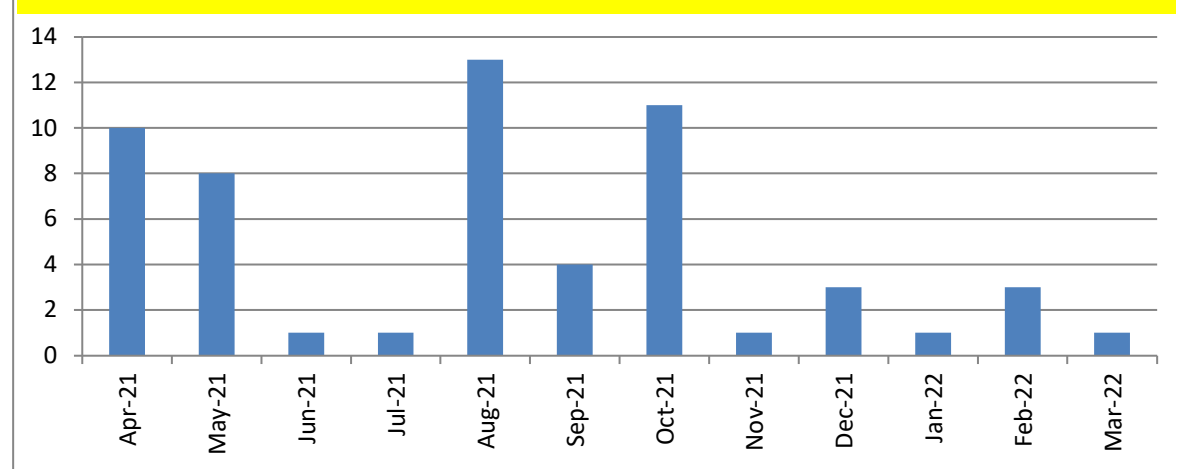
SOCWA SAFETY UPDATE - April 1, 2022

OSHA RECORDABLE INJURIES



	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-21	Feb-22	Mar-22
OSHA RECORDABLE INJURIES	0	0	0	0	0	0	0	0	0	0	0	0

NEAR MISS REPORTS



	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
NEAR MISS REPORTS	10	8	1	1	13	4	11	1	3	1	3	1

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
Mar '22 - Annual Bloodborne Pathogen Training (completed remotely)	70%
Feb '22 - Initial Fall Protection Training, Initial Forklift Training, Silica Safety Training	100%
Oct '21 - Annual Hearing Testing, Wildfire Safety/Wildfire Smoke Safety Training, Respirator Fit Testing	95%
Sept '21 - Lifting Safety Do's and Don'ts Training (with CSRMA, completed remotely)	100%
Sept '21 - Annual Bloodborne Pathogen Training (Completed remotely)	90%
Aug '21 - Confined Space Rescue Refresher and Electrical Safety in the Workplace	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, Additional 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%
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

March 2022

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
03/01/22	3.460	13.0	8.4	<0.3	1.832	12.2	5.4	0.1	1.350	4.7	6.0	0.1	2.588	2.3	3.0	0.1	0.778	0.510	0.000	10.518	0.00
03/02/22	3.462	12.0	9.4	<0.3	1.002	13.3	5.6	0.1	1.11	6.1	8.0	<0.1	0.851	10.2	9.0	<0.1	0.778	0.529	0.000	7.732	0.00
03/03/22	3.459	13.0	8.3	<0.3	2.229	16.8	6.3	0.1	0.690	3.5	5.0	<0.1	1.724	1.8	2.0	0.1	0.768	0.539	0.000	9.409	0.07
03/04/22	3.498	13.0	9.8	<0.3	1.871	11.3	4.7	0.1	0.760	4.1	7.0	<0.1	2.117	2.7	3.0	0.1	0.766	0.564	0.000	9.576	0.03
03/05/22	3.459	12.0		<0.3	2.893	9.0	4.3	0.1	1.440	4.1	4.0		1.879	5.1	3.0		0.766	0.562	0.000	10.999	0.00
03/06/22	3.450	18.0	8.7	<0.3	2.891	16.2		<0.1	2.820	5.4	6.0	<0.1	2.189	1.8	3.0	<0.1	0.764	0.554	0.000	12.668	0.00
03/07/22	3.360	14.0	9.0	<0.3	1.936	11.0		0.1	4.070	5.6	6.0	<0.1	2.588	6.3	5.0	<0.1	0.761	0.552	0.000	13.267	0.00
03/08/22	3.324	10.0	21.0	<0.3	1.684	10.3	3.9	0.1	1.760	5.1	6.0	0.1	2.033	1.2	2.0	<0.1	0.504	0.566	0.000	9.871	0.00
03/09/22	3.325	14.0	22.0	<0.3	1.150	10.3	5.3	0.1	0.800	5.6	4.0	0.1	1.767	5.2	6.0	0.1	0.393	0.565	0.000	8.000	0.00
03/10/22	3.404	15.0	11.0	<0.3	2.788	19.5	7.0	0.1	1.340	4.2	4.0	0.1	1.893	5.3	4.0	0.1	0.393	0.563	0.000	10.381	0.00
03/11/22	3.325	12.0	13.0	<0.3	1.200	13.8	6.8	0.1	1.140	4.5	4.0	<0.1	1.645	2.4	5.0	<0.1	0.588	0.488	0.000	8.386	0.00
03/12/22	3.589	20.0		<0.3	1.401	13.5	7.7	0.1	2.130	4.9	4.0		1.362	10.5	7.0		0.777	0.573	0.000	9.832	0.00
03/13/22	3.498	21.0	10.0	<0.3	1.865	14.2		0.1	2.290	5.4	5.0	<0.1	2.067	7.6	7.0	<0.1	0.746	0.547	0.000	11.013	0.00
03/14/22	2.085	10.0	3.5	<0.3	1.933	16.6		0.1	3.840	7.4	6.0	<0.1	2.606	7.0	9.0	<0.1	0.778	0.567	0.000	11.809	0.00
03/15/22	2.903	7.3	4.6		1.699	19.5	8.1	0.1	1.800	4.9	4.0	0.1	1.012	8.2	11.0	<0.1	0.777	0.563	0.000	8.754	0.01
03/16/22	No Flow				0.983	14.5	6.1	0.1	2.170	5.5	6.0	0.1	1.958	7.5	8.0	0.1	0.750	0.557	0.000	6.418	0.00
03/17/22	No Flow				1.500	19.8	6.7	0.1	1.270	5.5	5.0	0.1	1.605	4.8	6.0	0.1	0.777	0.554	0.000	5.706	0.00
03/18/22	No Flow				1.032	11.8	4.6	0.1	1.360	5.3	5.0	0.1	2.010	8.4	5.0	0.1	0.778	0.550	0.000	5.730	0.00
03/19/22	No Flow				1.581	13.8	5.8	0.1	0.750	5.5	4.0		1.697	8.7	7.0		0.778	0.566	0.000	5.372	0.06
03/20/22	No Flow				1.793	11.2		0.1	2.510	6.2	7.0	<0.1	1.743	4.8	6.0	<0.1	0.730	0.566	0.000	7.342	0.04
03/21/22	No Flow				3.173	13.6		0.1	3.320	7.6	6.0	<0.1	2.820	8.1	7.0	0.1	0.773	0.562	0.000	10.648	0.00
03/22/22	No Flow				2.134	10.0	4.0	0.1	1.650	5.6	5.0	<0.1	1.985	9.6	7.0	<0.1	0.774	0.561	0.000	7.104	0.00
03/23/22	No Flow				3.057	14.5	4.9	0.1	0.870	5.9	5.0	<0.1	1.448	6.9	6.0	<0.1	0.596	0.456	0.000	6.427	0.00
03/24/22	No Flow				1.766	12.0	5.1	<0.1	0.710	5.7		<0.1	1.855	3.0		<0.1	0.473	0.455	0.000	5.259	0.00
03/25/22	No Flow				1.580	10.0	4.3	<0.1	0.700	5.5	6.0	0.1	1.914	6.5	5.0	0.1	0.653	0.536	0.000	5.383	0.00
03/26/22	No Flow				1.241	10.8	4.5	<0.1	0.600	5.3	4.0		1.588	5.1	6.0		0.773	0.529	0.000	4.731	0.00
03/27/22	No Flow				1.625	11.8		<0.1	0.760	5.0	6.0	<0.1	1.837	3.5	6.0	<0.1	0.773	0.511	0.000	5.506	0.00
03/28/22	No Flow				3.570	11.2		0.1	3.190	5.8	6.0	0.2	2.675	5.0	7.0	0.1	0.773	0.508	0.000	10.716	1.20
03/29/22	No Flow				3.285	19.2	7.5	0.1	8.600	10.2	6.0	0.1	2.502	2.5	7.0	0.1	0.773	0.507	0.000	15.667	0.00
03/30/22	No Flow				3.406	13.3	5.0	0.1	7.570	5.8	6.0	0.2	2.424	4.2	7.0	0.1	0.773	0.503	0.000	14.676	0.01
03/31/22	No Flow				3.326	13.4	6.0	0.1	1.350	11.9	8.0	<0.1	2.626	3.2	8.0	0.3	0.774	0.504	0.000	8.580	0.00
AVG	1.600	13.6	10.7	<0.3	2.046	13.5	5.6	<0.1	2.088	5.7	5.5	<0.1	1.968	5.5	5.9	<0.1	0.712	0.538	0.000	8.951	
TOTAL	49.60				63.43				64.72				61.01				22.06	16.67	0.000	277.48	1.42

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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: Low Tide 0850

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	03/09/22	1030	<10	<10	<2	None	None	None	None	Green	58	Clear		
S4	03/09/22	1013	<10	<10	<2	None	None	None	None	Green	58	Clear		
S5	03/09/22	1000	<10	<10	<2	None	None	None	None	Green	58	Clear		
S6	03/09/22	0840	<10	<10	<2	None	None	None	None	Green	58	Clear		
WEST	03/09/22	0837	<10	<10	<2	None	None	None	None	Green	58	Clear		
S7	03/09/22	0829	<10	<10	<2	None	None	None	None	Green	58	Clear		
S8	03/09/22	0825	<10	<10	<2	None	None	None	None	Green	58	Clear		
S9	03/09/22	0845	<10	<10	<2	None	None	None	None	Green	58	Clear		
ACM1	03/09/22	0829	500	40	20	None	None	None	None	Green	58	Clear	Flowing	
S10	03/09/22	0823	<10	<10	<2	None	None	None	None	Green	58	Clear		
S11	03/09/22	0818	20	10	<2	None	None	None	None	Green	58	Clear		
S12	03/09/22	0806	<10	<10	<2	None	None	None	None	Green	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-Aliso Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 0831
 Weather: Overcast
 COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	03/16/22	0820	<10	30	6	None	None	None	None	Green	59	Slightly Turbid		
S4	03/16/22	1046	<10	50	<2	None	None	None	None	Green	59	Clear		
S5	03/16/22	1029	<10	<10	<2	None	None	None	None	Green	59	Clear		
S6	03/16/22	1005	10	20	<2	None	None	None	None	Green	59	Clear		
WEST	03/16/22	1003	10	10	<2	None	None	None	None	Green	59	Clear		
S7	03/16/22	0956	<10	<10	<2	None	None	None	None	Green	59	Clear		
S8	03/16/22	0913	10	<10	8	None	None	None	None	Green	59	Clear		
S9	03/16/22	0908	20	<10	4	None	None	None	None	Green	59	Clear		
ACM1	03/16/22	0903	100	<10	4	None	None	None	None	Green	59	Clear		
S10	03/16/22	0858	40	<10	60	None	None	None	None	Green	59	Clear		
S11	03/16/22	0852	110	<10	24	None	None	None	None	Green	59	Clear		
S12	03/16/22	0844	<10	20	6	None	None	None	None	Green	59	Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 1040

Weather: Clear

COMMENTS:

0.0

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	03/23/22	0805	<10	<10	<2	None	None	None	None	Green	54	Clear		
S4	03/23/22	1025	<10	<10	<2	None	None	None	None	Green		Clear		
S5	03/23/22	1015	<10	<10	<2	None	None	None	None	Green		Clear		
S6	03/23/22	0955	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	03/23/22	0950	<10	<10	<2	None	None	None	None	Green		Clear		
S7	03/23/22	0945	<10	<10	<2	None	None	None	None	Green		Clear		
S8	03/23/22	0935	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	03/23/22	0905	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	03/23/22	0900	<10	<10	<2	None	None	None	None	Green		Clear		
S10	03/23/22	0850	10	<10	<2	None	None	None	None	Green		Clear		
S11	03/23/22	0840	<10	<10	<2	None	None	None	None	Green		Clear		
S12	03/23/22	0830	<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.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 0748

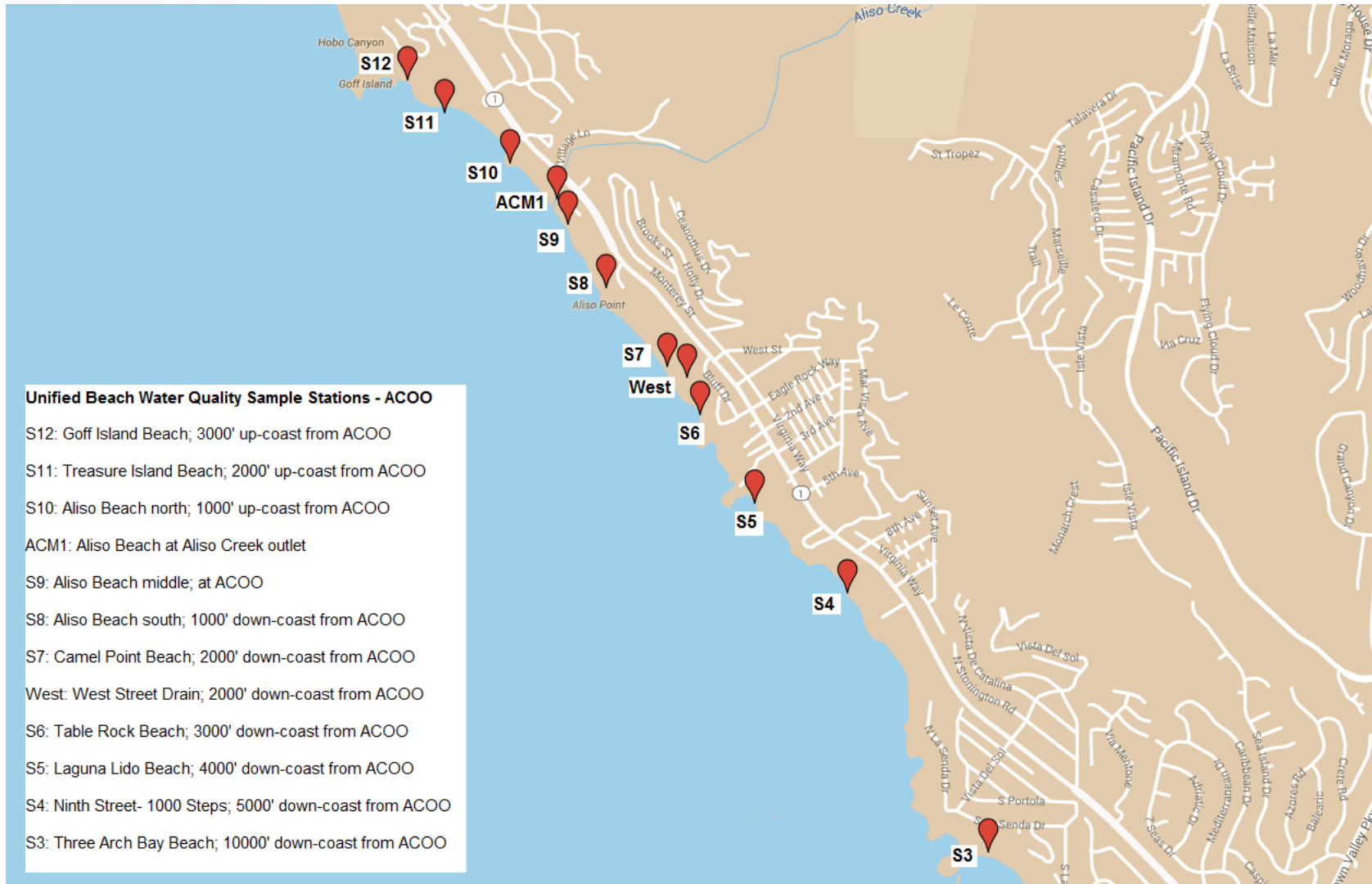
Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	03/29/22	0754	100	<10	40	None	None	None	None	Green		Clear		
S4	03/29/22	1010	40	<10	<10	None	None	None	None	Green		Clear		
S5	03/29/22	0956	20	<10	<10	None	None	None	None	Green		Clear		
S6	03/29/22	0939	300	20	50	None	None	None	None	Green		Clear		
WEST	03/29/22	0935	100	<10	10	None	None	None	None	Green		Clear		
S7	03/29/22	0930	400	20	<10	None	None	None	None	Green		Clear		
S8	03/29/22	0925	800	30	60	None	None	None	None	Green		Slightly Turbid		
S9	03/29/22	0910	800	200	220	None	None	None	None	Green		Slightly Turbid		
ACM1	03/29/22	0841	>=2,600	500	2,200	None	None	None	None	Brown		Slightly Turbid	Flowing	
S10	03/29/22	0835	300	40	70	None	None	None	None	Green		Clear		
S11	03/29/22	0826	140	10	60	None	None	None	None	Green	58	Clear		
S12	03/29/22	0819	80	30	20	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: March 2022

REPORT DUE: May 1, 2022

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: High Tide 831

Sta No.	Sample Depth	Sample Date	Total Coliform	Fecal Coliform	Enterococcus	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600				
A-1	Surface	03/16/22	<2	<2	<2	808	0	0	
A-1	Mid depth	03/16/22	<10	<10	<10				
A-2	Surface	03/16/22	<2	<2	<2	753	0	0	
A-2	Mid depth	03/16/22	<10	<10	<10				
A-3	Surface	03/16/22	<2	<2	<2	800	0	0	
A-3	Mid depth	03/16/22	<10	<10	<10				
A-4	Surface	03/16/22	<2	<2	<2	812	0	0	
A-4	Mid depth	03/16/22	<10	<10	<10				
A-5	Surface	03/16/22	<2	<2	<2	805	0	0	
A-5	Mid depth	03/16/22	<10	<10	<10				
B-1	Surface	03/16/22	<2	<2	<2	748	0	0	
B-1	Mid depth	03/16/22	<10	<10	<10				
B-2	Surface	03/16/22	<2	<2	<2	821	0	0	
B-2	Mid depth	03/16/22	<10	<10	<10				
N1	Surface	03/16/22	<2	<2	<2	836	0	0	
N2	Surface	03/16/22	8	<2	<2	835	0	0	
N3	Surface	03/16/22	<2	<2	<2	833	0	0	
N4	Surface	03/16/22	4	2	2	832	0	0	
N5	Surface	03/16/22	10	4	<2	831	0	0	
N6	Surface	03/16/22	2	<2	<2	830	0	0	
N7	Surface	03/16/22	<2	<2	<2	828	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 2022**

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
SJCOO Spill / Overflow Report Log - 2022
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.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

March 2022

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC	SCWD	SJCOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	Desalter FLOW MGD	Desalter FLOW MGD	FLOW MGD	Fall inches
03/01/22	7.960	8.8	8.0	0.2	2.365	6.7	7.0	<0.1	0.030	1.5	6.4	<0.1	1.403	6.8	5.2	<0.1	0.478	0.179	12.910	0.00
03/02/22	7.760	8.1	7.7	<0.1	2.602	6.1	5.0	<0.1	0.189	1.4	2.5	0.2	1.429	6.2	5.5	<0.1	0.477	0.184	12.440	0.00
03/03/22	7.720	8.3	7.0	0.1	2.524			<0.1	0.021	3.8	3.3	<0.1	1.402	8.4	6.6	<0.1	0.475	0.179	12.540	0.07
03/04/22	7.730	7.5	6.0	0.1	2.642	5.5	5.0	<0.1	0.008	1.5	2.1	<0.1	1.450	15.6	10.6	<0.1	0.473	0.178	12.330	0.03
03/05/22	7.610	8.1	6.4		2.466	8.4	6.0		0.000				1.405				0.472	0.179	12.330	0.00
03/06/22	7.800	11.9	10.3	<0.1	2.779				0.000				1.487				0.470	0.183	12.480	0.00
03/07/22	7.810	20.0	13.0	<0.1	2.860	4.4	7.0	<0.1	0.027	3.4	6.2	<0.1	1.495	8.8	6.4	<0.1	0.470	0.179	12.790	0.00
03/08/22	7.760	11.2	7.7	0.1	2.293	4.7	6.0	<0.1	0.024	1.5	6.6	<0.1	0.451	8.4	7.1	<0.1	0.470	0.182	12.910	0.00
03/09/22	7.730	10.0	8.3	0.2	2.980	5.3	4.0	<0.1	0.040	1.5	2.2	<0.1	0.254	7.0	5.8	<0.1	0.474	0.183	11.810	0.00
03/10/22	7.750	7.6	5.3	0.1	2.689	5.1	5.0	<0.1	0.012	1.9	2.2	<0.1	0.287	9.4	7.6	<0.1	0.472	0.179	11.330	0.00
03/11/22	7.710	6.1	7.0	<0.1	2.864	5.1	4.0	<0.1	0.019	1.4	1.7	<0.1	0.221	5.8	4.9	<0.1	0.471	0.179	11.250	0.00
03/12/22	7.810	7.4	6.9		2.418		7.0		0.000				0.194				0.471	0.149	11.080	0.00
03/13/22	7.940	8.8	10.3	<0.1	2.740				0.000				0.462				0.441	0.207	11.080	0.00
03/14/22	8.160	15.2		<0.1	2.496	7.9	8.0	<0.1	0.005	1.5	7.4	<0.1	0.206	8.0	6.0	<0.1	0.443	0.178	11.310	0.00
03/15/22	7.650	6.8	8.0	<0.1	2.222	7.8	8.0	<0.1	0.019	1.5	6.1	<0.1	0.043	8.6	7.2	<0.1	0.455	0.184	11.620	0.01
03/16/22	7.710	7.4	6.8	0.1	1.975	8.2	7.0	<0.1	0.017	1.7	1.9	0.3	0.179	7.4	5.6	<0.1	0.454	0.184	11.240	0.00
03/17/22	8.380	7.4	8.7	<0.1	2.302	7.8	7.0	<0.1	0.023	1.9	2.3	<0.1	0.670				0.457	0.177	10.840	0.00
03/18/22	7.960	8.8	8.4	0.1	1.898	8.2	7.0		0.034	2.0	2.6	<0.1	0.473	10.2	8.8	<0.1	0.456	0.178	11.800	0.00
03/19/22	7.930	10.6	10.0		1.863		8.0		0.018				1.274	8.2	6.6	<0.1	0.392	0.179	11.290	0.06
03/20/22	8.170	15.4	16.6	0.1	2.097				0.002				1.828				0.456	0.178	10.720	0.04
03/21/22	8.050	25.6	20.3	0.2	2.732	9.9	7.0	<0.1	0.008	1.7	6.6	<0.1	1.321	9.6	6.6	<0.1	0.459	0.179	12.110	0.00
03/22/22	7.460	11.5	12.1	<0.1	3.201	6.4	9.0	<0.1	0.011	1.4	7.5	<0.1	1.474	24.0	14.8	<0.1	0.464	0.180	13.130	0.00
03/23/22	7.610	7.2	7.8	<0.1	2.720	6.2	5.0	<0.1	0.027	1.7	2.5	0.4	1.349	19.8	13.5	<0.1	0.465	0.178	13.430	0.00
03/24/22	7.710	8.7		0.1	1.551	5.7	4.0	<0.1	0.008	1.9	2.9	<0.1	1.850	8.0	7.1	<0.1	0.464	0.177	12.530	0.00
03/25/22	7.660	8.4	8.1	0.2	2.370	8.8	8.0	<0.1	0.010	2.2	3.4	<0.1	1.345	8.6	7.4	<0.1	0.465	0.183	12.000	0.00
03/26/22	7.590	8.9	8.0		2.583		8.0		0.000				1.440				0.465	0.179	12.250	0.00
03/27/22	7.810	9.7	9.8	<0.1	2.771				0.000				1.434				0.480	0.179	11.950	0.00
03/28/22	7.710	11.9	10.0	0.1	2.960	7.1	6.0	<0.1	0.011	2.1	4.8	<0.1	1.695	4.4	11.8	<0.1	0.488	0.178	12.880	1.20
03/29/22	8.530			0.2	3.245	8.4	8.0	<0.1	0.011	2.8	5.8	<0.1	1.498	26.4	12.5	<0.1	0.478	0.185	13.210	0.00
03/30/22	7.940	9.6	8.1	0.1	3.208	7.1	8.0	<0.1	0.146	2.2	3.2	0.2	1.290	26.2	16.0	3.6	0.478	0.178	14.710	0.01
03/31/22	8.040	9.0	9.8	<0.1	3.398	7.2	8.0	<0.1	0.007	3.1	3.0	<0.1	1.359	30.8	16.0	<0.1	0.465	0.177	13.360	0.00
AVG	7.844	10.2	9.2	<0.1	2.575	6.9	6.6	<0.1	0.023	2.0	4.1	<0.1	1.054	12.0	8.7	<0.3	0.464	0.180	12.183	
TOTAL	243.160				79.814				0.727				32.668				14.398	5.571	377.660	1.42

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 0600

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	
S0	03/07/22	0920	<20	<20	<2	None	None	None	None	Green	55	Clear		
S1	03/07/22	0930	<20	<20	<2	None	None	None	None	Green		Clear		
S2	03/07/22	0850	<20	<20	<2	None	None	None	None	Green		Clear		
DSB5	03/07/22	0830	<20	<20	2	None	None	None	None	Green		Clear		
S3	03/07/22	0940	<20	<20	<2	None	None	None	None	Green		Clear		
DSB4	03/07/22	0945	<20	<20	<2	None	None	None	None	Green		Clear		
S5	03/07/22	0950	<20	<20	<2	None	None	None	None	Green		Clear		
DSB1	03/07/22	0955	<20	<20	<2	None	None	None	None	Green		Clear		
SJC1	03/07/22	0915	<100	<100	20	None	None	None	None	Green	Clear			

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 0635

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	03/13/22	0841	<20	<20	2	None	None	None	None	Green	57	Clear		
S1	03/13/22	0925	50	20	6	None	None	None	None	Green	57	Clear		
S2	03/13/22	0833	<20	<20	2	None	None	None	None	Green	57	Clear		
DSB5	03/13/22	0820	<20	<20	4	None	None	None	None	Brown	57	Slightly Turbid		
S3	03/13/22	0917	20	<20	2	None	None	None	None	Green	57	Slightly Turbid		
DSB4	03/13/22	0910	20	<20	4	None	None	None	None	Green	57	Slightly Turbid		
S5	03/13/22	0935	<20	<20	4	None	None	None	None	Green	57	Slightly Turbid		
DSB1	03/13/22	0940	20	<20	<2	None	None	None	None	Green	57	Clear		
SJC1	03/13/22	0840	<100	<100	40	None	None	None	None	Green	57	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: March 2022
 REPORT DUE: May 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 0501

Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	03/20/22	0828	<20	<20	<2	None	None	None	None	Green	58	Clear		
S1	03/20/22	0904	<20	<20	<2	None	None	None	None	Green	58	Clear		
S2	03/20/22	0820	40	<20	4	None	None	None	None	Green	58	Slightly Turbid		
DSB5	03/20/22	0758	<20	20	<2	None	None	None	None	Green	58	Clear		
S3	03/20/22	0901	<20	<20	<2	None	None	None	None	Green	58	Clear		
DSB4	03/20/22	0858	<20	<20	6	None	None	None	None	Green	58	Clear		
S5	03/20/22	0912	<20	<20	2	None	None	None	None	Green	58	Clear		
DSB1	03/20/22	0919	<20	<20	8	None	None	None	None	Green	58	Clear		
SJC1	03/20/22	0825	<100	<100	<10	None	None	None	None	Green	58	Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: March 2022
 REPORT DUE: May 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 0556
 Weather: Partly Cloudy
 COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	03/27/22	0827	200	<20	2	None	None	None	None	Green	59	Clear		
S1	03/27/22	0853	100	20	12	None	None	None	None	Green	59	Slightly Turbid		
S2	03/27/22	0821	20	<20	2	None	None	None	None	Green	59	Clear		
DSB5	03/27/22	0813	<20	<20	26	None	None	None	None	Green	59	Clear		
S3	03/27/22	0858	<20	20	2	None	None	None	None	Green	59	Clear		
DSB4	03/27/22	0902	20	20	<2	None	None	None	None	Green	59	Slightly Turbid		
S5	03/27/22	0908	<20	<20	2	None	None	None	None	Green	59	Clear		
DSB1	03/27/22	0913	20	20	<2	None	None	None	None	Green	59	Clear		
SJC1	03/27/22	0824	<100	<100	<10	None	None	None	None	Green	59	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.



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: March 2022

REPORT FREQUENCY: Monthly

REPORT DUE: May 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: Foam at Site N-3; High Tide 831

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	03/16/22	4	<2	<2	934	0	0	0 - None
A-1	Mid depth	03/16/22	<10	<10	<10				1 - Mild
A-2	Surface	03/16/22	2	<2	<2	938	0	0	2 - Moderate
A-2	Mid depth	03/16/22	<10	<10	<10				3 - Severe
A-3	Surface	03/16/22	<2	<2	<2	942	0	0	
A-3	Mid depth	03/16/22	<10	<10	<10				
A-4	Surface	03/16/22	<2	<2	<2	949	0	0	
A-4	Mid depth	03/16/22	<10	<10	<10				
A-5	Surface	03/16/22	2	2	<2	946	0	0	
A-5	Mid depth	03/16/22	<10	<10	<10				
B-1	Surface	03/16/22	<2	<2	<2	927	0	0	
B-1	Mid depth	03/16/22	40	10	<10				
B-2	Surface	03/16/22	<2	<2	<2	959	0	0	
B-2	Mid depth	03/16/22	<10	<10	<10				
N1	Surface	03/16/22	<2	<2	<2	923	0	0	
N2	Surface	03/16/22	2	<2	<2	919	0	0	
N3	Surface	03/16/22	<2	<2	<2	913	0	0	
N4	Surface	03/16/22	<2	<2	<2	907	0	0	
N5	Surface	03/16/22	<2	<2	<2	904	0	0	
N6	Surface	03/16/22	<2	<2	<2	859	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 2022**

SJCOO Permit Order No. R9-2012-0012							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SMWD/CSJC - GRP	03/12/2022	Oil and Grease	Weekly Average	mg/L	25.00	57.00	\$3,000
SMWD/CSJC - GRP	03/31/2022	Oil and Grease	Monthly Average	mg/L	40.00	57.00	\$3,000
CSC - WRP	03/18/2022	pH	Daily	SU	Daily	Not Reported	\$3,000
CSC - WRP	03/18/2022	Settleable Solids	Daily	ml/L	Daily	Not Reported	\$3,000
MNWD - 3A	3/30/2022	Settleable Solids	Daily	ml/L	3.00	3.60	\$3,000

Recycled Water Report

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - RTP	1/2/2022	TDS	12-Month	mg/L	1000	1208	
SOCWA - RTP	1/2/2022	TDS	Daily Maximum	mg/L	1100	1310	
SOCWA - RTP	1/2/2022	Manganese	12-Month	mg/L	0.05	0.130	
TCWD - RRWRP	1/4/2022	TDS	12 month	mg/L	1000	1031	
TCWD - RRWRP	1/31/2022	Nitrate	Quarterly	mg/L	45	19.60	
SOCWA - RTP	2/1/2022	TDS	12-Month	mg/L	1000	1214	
SOCWA - RTP	2/1/2022	TDS	Daily Maximum	mg/L	1100	1200	
SOCWA - RTP	2/1/2022	Manganese	12-Month	mg/L	0.05	0.101	
SOCWA - RTP	2/1/2022	Iron	12-Month	mg/L	0.3	0.308	
SOCWA - CTP	2/1/2022	TDS	Daily Maximum	mg/L	1100	1320	
TCWD - RRWRP	2/1/2022	TDS	12 month	mg/L	1000	1035	
SOCWA - RTP	3/1/2022	TDS	12-Month	mg/L	1000	1218	
SOCWA - RTP	3/1/2022	TDS	Daily Maximum	mg/L	1100	1200	
SOCWA - RTP	3/1/2022	Manganese	12-Month	mg/L	0.05	0.101	
SOCWA - RTP	3/1/2022	Iron	12-Month	mg/L	0.3	0.309	
SOCWA - CTP	3/2/2022	TDS	Daily Maximum	mg/L	1100	1340	
SOCWA - CTP	3/3/2022	Manganese	12-Month	mg/L	0.05	0.808	
TCWD - RRWRP	3/1/2022	TDS	12 month	mg/L	1000	1054	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Mar 31, 2022

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	1,054	963	895	895	1,151	1,218	1,017
Chloride	mg/L	375	246	210	200	273	219	260	211
Sulfate	mg/L	400	366	275	230	210	354	347	259
Sodium	mg/L	None	106	170	160	200		182	157
Alkalinity	mg/L	None	-	-	-	-		270	202
Adjusted SAR	Ratio	None	4.56	4.63	4.81	5.94	3.98	4.38	4.20
Iron	mg/L	0.3	0.056	0.028	0.130	0.015	0.15	0.309	0.115
Manganese	mg/L	0.05	0.008	0.027	0.040	0.010	0.07	0.101	0.112
MBAS	mg/L	0.5	<0.01	<0.15	<0.13	0.28	<0.03	<0.08	<0.08
Boron	mg/L	0.75	0.357	0.388	0.360	0.480	0.38	0.350	0.28
Fluoride	mg/L	None	0.65	0.718	0.49	0.56	0.94	0.84	0.74
Total Organic Carbon	mg/L	None	4.6	13.6	12.7	9.5	2.3	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)
2022

Agency	Facility or Region	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Annual Totals
CSJC 1	3-A Plant/MNWD	0.002	0.000	0.000										0.002
CSJC 2	Chiquita/SMWD	16.66	30.010	39.560										86.230
CSJC 3	Non-Domestic Wel	1.00	7.708	18.530										27.242
ETWD	Region 8	37.87	112.254	138.103										288.224
IRWD														
4	IRWD - 8	44.49	101.761	129.518										275.772
4	IRWD - 9	22.36	50.450	63.884										136.696
SCWD	SOCWA CTP	9.152	63.518	76.573										149.243
MNWD	JRP	299.83	439.710	484.915										1,224.456
	3-A Plant	0.00	0.000	37.397										37.397
5	CTP	-17.36	4.332	4.621										-8.410
SMWD	Oso Creek	140.68	93.644	Offline										234.322
	Chiquita	489.98	436.028	486.296										1,412.302
	Nichols	1.52	1.614	2.157										5.291
TCWD	RRWRP	49.52	42.363	48.188										140.070
TOTALS		1,095.7	1,383.392	1,529.742										4,008.836

- 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



SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2022
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.							

Pretreatment Report

Agenda Item

6.I.1.

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – March and April 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

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

Permit Related Activities

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

SMWD – NSWD Permit No. SMWD-N4-001-04-27 - Alipaz Diversion – SMWD finalized its annexation of CSJC on November 15, 2021 which includes responsibility for the dry weather sewer diversion at Alipaz Street and Stonehill Drive. SOCWA Staff worked with SMWD Staff to prepare a new permit to reflect SMWD as co-issuer with SOCWA. The new permit was issued on April 14, 2022.

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

MNWD – Webbs Grainworks Distillery – SOCWA received a permit application related to a new brewery and distillery soon to be constructed with a tentative start date of May 2022. Staff is reviewing and providing guidance and expects to issue a WD Permit just prior to commencement of operations.

CSC/SMWD – Prima Deshecha Landfill (PDL) – On February 14, 2022, SOCWA received a revised WD Permit Application submitted on behalf of Orange County Waste & Recycling (OCWR) for proposed discharge from a treatment system for landfill gas condensate stream produced at PDL. The revised submittal was in response to SOCWA's reply to the initial WD Permit Application and request for additional information sent on October 22, 2021. On March 16, 2022, Staff spoke by phone with the consultants working on behalf of the landfill and conveyed that requested data, including pilot study results related to the treatment of PFAS compounds, are needed for SOCWA to further evaluate the permit application. In the meantime, and upon formal invitation, Staff agreed to visit the pilot study facility and discuss the experimental design related to the PAFS treatment train configuration.

CSC – SWD Permit No. CSC-4-001-03-27 for SDG&E – Staff issued a renewal draft permit on April 1, 2022. The SWD Permit continues to allow the discharge of pre-treated groundwater and stormwater accumulated in and collected from utility vaults to the sanitary sewer. The permit is effective as of April 1, 2022 and expires March 31, 2027.

SCWD – El Niguel Country Club – On April 14, 2022, Staff received a SWD Permit Application from Pacific Advanced Civil Engineering, Inc. (PACE), on behalf of the Country Club, associated with proposed brine connection and discharge to sewerage facilities from a proposed on-site RO treatment plant. SOCWA Staff hopes to have an in-person meeting with SCWD Staff towards the end of April and discuss the proposed connection/discharge with key staff.

MNWD – WD Permit No. MNWD-2-001-06-25 for SOKA University STEM Lab Building - On April 20, 2022, Staff issued a Permit Modification letter adding copy of BMPs associated with the discharge of denatured liquid biohazardous cell wastewater from contract labs operating within the building. Staff additionally issued copy of the BMP-based letter to University Lab Partners for allowance of discharge of denatured liquid biohazardous cell wastewater. BMPs require all liquid biohazardous cell wastewater be denatured by use of at least a 20% bleach solution, no more than 25-gallons be discharged per week (from all labs), and discharge be logged and records kept and made available upon request for a minimum of three years.

Trainings and Committee Meetings Attended

SOCWA Staff continues to attend monthly OC Strike Force Meetings to receive and share legal information related to environmental cases and incidents throughout the county. The first in-person meeting in more than two years was held on April 20, 2022. One takeaway, Staff were informed that due to many treatment, storage and disposal (TSD) facilities shutting down during the pandemic, industries nationwide have a backlog of hazardous waste. Staff should be on the look-out for any illicit discharges to the sewer and notify SOCWA Staff immediately if suspected or found.

On April 21, 2022, Staff virtually attended a CASA Regulatory Workgroup meeting to discuss and learn about regulations related to PFAS, nutrients, and microplastics.

Inspections

CSC – On March 31, 2022, Staff inspected and sampled wastewater at the SDG&E facility located at 674 Camino De Los Mares. The inspection was conducted prior to renewal of the SWD Permit and yielded no major findings. Sampling data show compliance with all permit limits and no PCBs were detected. A new provision was added to the renewal permit requiring the baker tank be pumped of all liquids/solids at least once/year in addition to the underground clarifier.

SCWD/CLB – On April 5, 2022, Staff performed a follow-up inspection of Mission Hospital Laguna Beach to ensure adequate secondary containment is in place around the temporary emergency generator and associated diesel fuel tank prior to the opening of storm drain sewer diversions on April 15th. The secondary containment was found to be inadequate. Staff will re-evaluate in 30-days and decide whether the nearby diversion should remain closed.

Summary of IWS Activities in SOCWA’s Service Area - YTD through April 20, 2022

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	10	3	2	5	8	110	15	0	0	128
CSC (S)	33	10	35	18	181	1265	37	0	1	1546
CSJC (S)	41	3	27	59	137	1662	28	5	0	1916
ETWD (M)	41	3	87	0	262	132	50	0	0	487
EBS (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	11	4	51	21	63	914	18	0	1	1071
MNWD (S)	172	5	121	39	637	2108	147	11	0	3057
SMWD (S)	115	6	19	20	210	809	51	10	0	1115
SCWD (S)	13	8	33	7	148	186	15	9	1	397
TCWD (S)	0	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	8	1	0	0	0		0	0	9
Totals	436	51	387	169	1653	7219	363	35	3	9778

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

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

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

Agenda Item

6.1.2.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: Operations Report April 2022

Summary/Discussion

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

1. Monthly Operational Report

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

2. SOCWA Ocean Outfall Discharges by Agency

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

3. Beach Ocean Monitoring Report

4. Recycled Water Report

5. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report April, 2022

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.59	7.04	7.63	0.92	18.18
Effluent (mgd)	1.94	1.29	7.63	2.43	13.29
Peak Flow (mgd)	5.59	17.84	12.37	10.00	45.80
Influent BOD (mg/l)	217	264	296	386	
Influent TSS (mg/l)	284	323	574	329	
Effluent BOD (mg/l)	8.0	4.2	13.7	9.1	
Effluent TSS (mg/l)	6.7	5.9	16.8	8.8	
Effluent Turbidity (NTU)	3.7	3.5	8.4	4.9	

(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)	1.05	5.75		6.80
Days of Operation (days)	27	30		
Total Flow (million gallons)	31.5	172.6		204.1
Plant Irrigation (million gallons)	0.03	0.02	0.24	
AWT Time Online (%)	100.0	98.0		

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 April, 2022 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		788.9	0.0	788.9
Nursery Products (tons)		378.8	695.8	1,074.6
Prima Deshecha (tons)		0.0	220.0	220.0
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		1,167.7	915.7	2,083.5

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	153	547	154	854
Corrective Maintenance	29	88	82	199

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	1	1	2
Member Agency	0	0	2	2
Residents	0	0	0	0
Others	2	2	9	13
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	1.0	23.5	41.5	66.0

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	45.5	NA	45.5
Utility Power Purchase (kWh)	NA	543,000	167,352	710,352
Cogen Power (kWh)		110,591	410,155	520,746
Natural Gas (Dth)	NA	1,330	1,311	2,641
Digester Gas to Engine (scfm)		1,827,220	4,942,818	6,770,038
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		8,563,636	329,521	8,893,157
Digester Gas Power Savings		\$15,262		

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 April, 2022 (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	1.468	54.49%				1.47
EBSO	0.056	2.08%				0.06
SCWD	1.170	43.43%		1.538	18.00%	2.71
MNWD	0.000	0.00%	7.04	1.400	16.38%	8.44
CSJC				2.094	24.51%	2.09
SMWD				3.513	41.11%	3.51
Total	2.694	100.00%	7.04	8.546	100.00%	18.28

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.47	24.39%	1.47	
EBSO				0.06	0.93%	0.06	
SCWD	1.72	13.50%		0.30	5.01%	2.02	Includes Desalters
MNWD	2.60	20.41%		1.29	21.42%	3.89	
ETWD				1.76	29.24%	1.76	Direct Outfall Only
CSJC	2.47	19.36%				2.47	Includes Desalter
SMWD	3.54	27.80%				3.54	Includes Chiquita
CSC	2.41	18.94%				2.41	Direct Outfall Only
IRWD				1.14	19.01%	1.14	Direct Outfall Only
Total	12.73	100.00%	12.47	6.02	100.00%	18.75	

SOCWA Operational Report April, 2022 (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%	2.094	24.51%	2.17	29.63%
MNWD	3.00	23.08%	1.400	15.97%	1.400	16.38%	1.40	19.13%
SCWD	3.75	28.85%	1.805	20.59%	1.538	18.00%	1.62	22.13%
SMWD	2.25	17.31%	3.421	39.03%	3.513	41.11%	2.13	29.11%
Total	13.00	100.00%	8.766	100.00%	8.546	100.00%	7.32	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%	5,823	20.76%	6,361	23.33%
MNWD	8,340	21.62%	5,612	21.22%	5,006	17.85%	6,577	24.12%
SCWD	7,715	20.00%	6,238	23.59%	4,654	16.60%	6,166	22.62%
SMWD	10,946	28.38%	8,548	32.32%	12,563	44.79%	8,159	29.93%
Total	38,573	100.00%	26,444	100.00%	28,047	100.00%	27,264	100.00%

Project Committee No. 5 - San Juan Creek Ocean Outfall (SJC00)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	2.412	18.94%	2.565	22.43%
CSJC	11.08%	8.860	11.08%	2.466	19.36%	2.590	22.65%
MNWD(3)	15.51%	12.410	15.51%	2.599	20.41%	2.283	19.97%
SCWD	12.46%	9.970	12.46%	1.719	13.50%	1.831	16.02%
SMWD	44.32%	35.460	44.33%	3.540	27.80%	2.164	18.93%
Total	100.00%	80.000	100.00%	12.734	100.00%	11.433	100.00%

(1) Influent billing meter summary:

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

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

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

SOCWA Operational Report April, 2022 (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%	1.468	54.49%	1.452	53.96%
EBSD	0.20	2.99%	0.080	2.83%	0.056	2.08%	0.063	2.34%
SCWD	2.00	29.85%	1.150	40.65%	1.170	43.43%	1.176	43.70%
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%	2.694	100.00%	2.692	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	0.0156	0.0156	0.2173%	0.0145	0.1943%
EBSD	0.00001	0.0001%	0.0000	0.0006	0.0006	0.0083%	0.0006	0.0085%
SCWD	0.00345	0.0442%	0.0000	0.0124	0.0124	0.1732%	0.0117	0.1565%
ETWD	0.01472	0.1884%	0.0000	0.0213	0.0213	0.2979%	0.0175	0.2342%
MNWD	7.78597	99.6679%	7.0423	0.0696	7.1119	99.3033%	7.4348	99.4065%
Total	7.81191	100.0000%	7.0423	0.1194	7.1618	100.0000%	7.4791	100.0000%

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

SOCWA Operational Report April, 2022 (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%	123,163	13.03%	137,555	12.79%
EBS	295	0.59%	320	0.92%	4,704	0.50%	5,990	0.56%
SCWD	4,480	8.96%	2,803	8.09%	98,172	10.38%	110,937	10.31%
ETWD	10,200	20.41%	5,282	15.25%	168,830	17.86%	164,900	15.33%
MNWD	29,395	58.82%	21,107	60.92%	550,474	58.23%	656,190	61.01%
Total	49,975	100.00%	34,645	100.00%	945,344	100.00%	1,075,571	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%	1.468	24.39%	1.452	16.19%
EBS	0.78%	0.390	0.78%	0.056	0.93%	0.063	0.70%
ETWD	16.30%	8.151	16.30%	1.760	29.24%	2.104	23.45%
IRWD	15.76%	7.880	15.76%	1.144	19.01%	2.601	28.98%
MNWD	43.85%	21.924	43.85%	1.289	21.42%	2.241	24.97%
SCWD	12.31%	6.155	12.31%	0.301	5.01%	0.512	5.71%
Total	100.00%	50.000	100.00%	6.019	100.00%	8.973	100.00%

SOCWA Operational Report April, 2022 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Disassembled Secondary Clarifier 1 to be used for sand cleaning and storage during Digester Cleaning Project.

Replaced worn inline commutator for Digester 2 heat loop in order to prepare for Digester Cleaning.

Replaced broken wear mounts and grease fittings in Primary Tanks 1 and 2.

Installed valve tree elbow in support of placing DAFT 2 online from construction turnover.

Repaired leaking process water pipe in Building 40, which failed due to water hammer.

Excavated and backfilled for process water leak exploration. Replaced 3" PVC elbow, which had cracked and failed.

Fabricated leg extensions for Roto-screen support stand in order to prepare for Digester Cleaning.

Repaired two process water leaks near the Solids Scrubber, which failed due to corrosion.

Replaced Grit Pump impeller and wear strip while diagnosing poor performance.

Installed new Dezurik valves, check valve, and piping in 4-Side Grit pit, which had started leaking.

Emptied the 9-Side Grit Tank via Vactor Truck, which had become extremely clogged with sand.

Repaired broken air diffuser inside 9 Side Grit Tank during vactor operations.

CTP - PC15

Replaced stainless-steel Grit Auger 3 that failed due to corrosion.

Performed general landscaping a brush removal per Orange County Fire Authority.

Removed abandoned foul airline from the top of Building 13.

Cleaned and refurbished old fresh air fans for the Headworks Building.

Jetted out and disassembled Scum Line Pipe, which had become clogged.

Finished installing Primary Tank 2 weirs fabricated in-house to replace failing units.

Facilitated East Access Road trail restoration and water project with contractors.

RTP - PC17

Replaced failed couplings, and installed replacement pipe supports for AWT Cell 1 backwash cycle piping.

Replaced failed check valves for AWT Cell 1 Backwash cycle.

Performed annual entry and cleaning of Chlorine Contact basin channels.

Operated replacement Biosolids vehicles for RTP and JBL due to failed SOCWA and rental trucks normally used for hauling Biosolids to the landfill.

Replaced failed liner in Sludge Trailer 1 to improve dumping capability.

Support Services - ALL PC'S

Upgraded SCADA screens for polymer injection for Centrifuges at RTP.

Provided engineering support for DAF startup and SCADA screen implementation at JBL.

Upgraded Emergency Godwin Pump PLC antiquated controls at RTP.

SOCWA Operational Report April, 2022 (cont'd)

Select Critical Equipment Repairs (cont'd)

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

Replaced failing auxiliary contact blocks on AWT Blower 3 at RTP.
Replaced electrode for Storm Water Pump, which had become corroded at RTP.
Wired rehabilitated pump motor for Interstage Pump 3 at RTP.
Replaced failed electrical starter for gas management exhaust fan at RTP.
Replaced failing electronic module for 4B pneumatic valve at RTP.
Replaced failed float ball switch on AWT Cell 3 at RTP.
Replaced failed solenoids on Vulcan Washpress in Headworks Building at RTP.
Replaced failing Dissolved Oxygen Probe on Aeration Tank 1 at RTP.
Programmed replacement flowmeter display on Aeration Deck at RTP.
Replaced failing exterior stairwell lighting for Building 30 at JBL.
Replaced failed Vulcan initiation control pushbutton at JBL.
Replaced failing conductivity sensor and controller for effluent water at JBL.
Replaced failing lighting fixture above Decant room at JBL.
Repaired Polymer Pump 3 blown fuse at JBL.
Wired replacement Scrubber inline duct fan at JBL.
Replaced failing mounting hardware and a new sunshield on West 2 Aeration DO Controller at CTP.
Replaced failing LCD display on Scrubber PH controller at CTP.

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

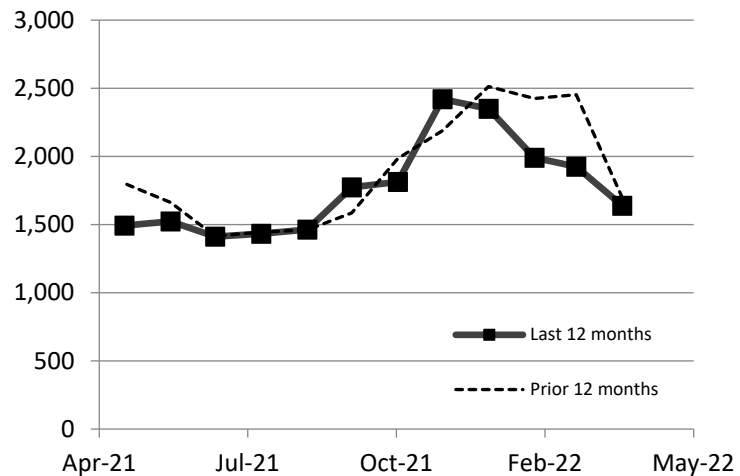
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report April, 2022 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.47	24.39%	1.47
EBSD			0.06	0.93%	0.06
SCWD	1.72	13.50%	0.30	5.01%	2.02
MNWD	2.60	20.41%	1.29	21.42%	3.89
ETWD			1.76	29.24%	1.76
CSJC	2.47	19.36%			2.47
SMWD	3.54	27.80%			3.54
CSC	2.41	18.94%			2.41
IRWD			1.14	19.01%	1.14
Total	12.73	100.00%	6.02	100.00%	18.75
or Acre-Feet per year equivalent					21,004

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

Apr-22	1,638
Mar-22	1,924
Feb-22	1,991
Jan-22	2,349
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	1,493
Total	21,234



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

April 2022

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW 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	inches
04/01/22	No Flow				2.078	12.8	5.6	0.1	3.650	3.9	5.0	0.1	2.220	9.0	8.0	<0.1	0.765	0.503	0.000	9.216	0.00
04/02/22	No Flow				2.911	15.4	5.7	0.1	4.48	4.5	5.0		2.604	10.1	9.0		0.753	0.519	0.000	11.267	0.00
04/03/22	No Flow				2.632	14.6		0.1	3.680	6.2	5.0	<0.1	2.334	11.4	6.0	<0.1	0.749	0.518	0.000	9.913	0.00
04/04/22	No Flow				2.750	10.2		0.1	3.060	5.4	2.0	<0.1	2.613	3.5	8.0	0.3	0.749	0.518	0.000	9.690	0.00
04/05/22	No Flow				2.758	13.3	4.3	0.1	1.540	3.5	3.0	<0.1	1.139	8.8	9.0	<0.1	0.749	0.516	0.108	6.810	0.00
04/06/22	No Flow				1.944	10.3	3.6	2.0	1.060	11.9	4.0	0.1	1.955	13.4	6.0	<0.1	0.337	0.516	0.141	5.953	0.01
04/07/22	No Flow				1.174	8.0	3.3	0.1	0.940	7.3	5.0	0.2	1.856	11.2	7.0	0.1	0.354	0.512	0.135	4.971	0.00
04/08/22	No Flow				1.065	10.3	3.9	0.1	0.230	4.1	5.0	0.1	1.527	7.9	21.0	0.2	0.643	0.513	0.137	4.115	0.00
04/09/22	No Flow				1.108	10.8	4.3	0.1	0.210	4.5	4.0		1.433	10.1	16.0		0.749	0.513	0.123	4.136	0.00
04/10/22	No Flow				1.550	8.2		0.1	0.410	4.8	5.0	<0.1	1.874	5.4	7.0	<0.1	0.749	0.494	0.153	5.230	0.00
04/11/22	No Flow				2.563	7.8		0.1	1.180	7.8	6.0	<0.1	2.030	2.7	5.0	0.1	0.749	0.494	0.100	7.116	0.00
04/12/22	No Flow				1.990	5.8	2.7	0.1	0.590	3.1	4.0	<0.1	1.841	2.2	5.0	<0.1	0.749	0.517	0.059	5.746	0.00
04/13/22	No Flow				1.717	8.2	2.7	0.1	0.440	4.3	4.0	<0.1	1.492	3.3	4.0	<0.1	0.398	0.516	0.016	4.579	0.00
04/14/22	No Flow				1.719	5.2	2.7	0.1	0.570	2.8	4.0	0.1	1.809	6.1	5.0	<0.1	0.659	0.515	0.160	5.432	0.00
04/15/22	No Flow				1.056	12.0	4.0	0.1	0.450	4.7	4.0	<0.1	1.411	5.4	4.0	0.1	0.749	0.514	0.126	4.306	0.00
04/16/22	No Flow				1.309	17.4	6.6	<0.1	0.320	6.5	5.0		1.543	5.9	7.0		0.749	0.513	0.128	4.562	0.00
04/17/22	No Flow				2.417	9.2		<0.1	0.580	6.2	6.0	<0.1	1.715	5.4	7.0	<0.1	0.749	0.472	0.129	6.062	0.00
04/18/22	No Flow				1.985	8.2		<0.1	1.980	8.0	6.0	<0.1	2.696	5.6		0.1	0.749	0.478	0.154	8.042	0.00
04/19/22	No Flow				1.383	10.2	3.7	0.1	1.040	3.0	3.0	<0.1	0.752	8.8	11.0	<0.1	0.749	0.477	0.148	4.549	0.00
04/20/22	No Flow				0.887	9.8	4.2	<0.1	0.450	4.4	3.0	<0.1	1.850	2.0	3.0	<0.1	0.753	0.475	0.115	4.530	0.00
04/21/22	No Flow				0.796	12.4	5.5	<0.1	0.340	10.3	4.0	<0.1	1.727	6.0	6.0	<0.1	0.754	0.474	0.167	4.258	0.00
04/22/22	No Flow				2.291	10.0	4.3	<0.1	2.140	4.3	3.0	0.1	1.530	3.5	3.0	0.1	0.743	0.473	0.144	7.321	0.10
04/23/22	No Flow				3.180	10.8	5.0	<0.1	1.270	8.7	3.0		1.277	7.3	11.0		0.742	0.473	0.159	7.101	0.00
04/24/22	No Flow				3.263	17.2		<0.1	1.490	5.4	4.0	<0.1	2.613	5.6	5.0	0.1	0.742	0.472	0.133	8.713	0.00
04/25/22	No Flow				1.314	16.0		0.1	1.890			0.1	1.269	4.0	5.0	0.1	0.742	0.471	0.138	5.824	0.00
04/26/22	No Flow				1.229	21.0	9.7	0.1	0.670	9.3	6.0	0.1	2.577	2.2	5.0	<0.1	0.452	0.471	0.133	5.532	0.00
04/27/22	No Flow				1.188	17.7	7.4	0.1	2.410	10.3	3.0	<0.1	3.473	3.7	6.0	<0.1	0.369	0.469	0.168	8.077	0.00
04/28/22	No Flow				1.259	14.7	6.0	0.1	0.970	6.7	4.0	<0.1	1.691	6.2	8.0	<0.1	0.074	0.469	0.136	4.599	0.00
04/29/22	No Flow				0.677	12.3	5.1	<0.1	0.340	5.2	4.0	0.1	0.590	15.1	16.0	0.1	0.493	0.468	0.144	2.712	0.00
04/30/22	No Flow				0.610	14.5	5.4	<0.1	0.300	4.5	3.0		1.322	9.7	19.0		0.730	0.509	0.146	3.617	0.00
AVG	No Flow				1.760	11.8	4.8	<0.2	1.289	5.9	4.2	<0.1	1.825	6.7	8.0	<0.1	0.650	0.495	0.113	6.133	
TOTAL	No Flow				52.80				38.68				54.76				19.49	14.84	3.400	183.98	0.11

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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: Low Tide 0630

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	04/05/22	0800	10	10	<2	None	None	None	None	Green	58	Clear		
S4	04/05/22	1006	<10	<10	2	None	None	None	None	Green		Clear		
S5	04/05/22	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S6	04/05/22	943	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/05/22	941	<10	<10	<2	None	None	None	None	Green		Clear		
S7	04/05/22	934	<10	<10	<2	None	None	None	None	Green		Clear		
S8	04/05/22	927	10	<10	<2	None	None	None	None	Green		Clear		
S9	04/05/22	913	>=60	<10	2	None	None	None	None	Green		Clear		
ACM1	04/05/22	845	200	<10	10	None	None	None	None	Brown		Slightly Turbid	Flowing	
S10	04/05/22	840	10	<10	<2	None	None	None	None	Green		Clear		
S11	04/05/22	835	<10	<10	<2	None	None	None	None	Green		Clear		
S12	04/05/22	830	10	10	4	None	None	None	None	Green		Clear		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 1228

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	04/10/22	0755	10	10	10	None	None	None	None	Green	57	Clear		
S4	04/10/22	1015	<10	<10	<2	None	None	None	None	Green		Clear		
S5	04/10/22	0950	<10	<10	<2	None	None	None	None	Green		Clear		
S6	04/10/22	0935	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	04/10/22	0930	10	<10	<2	None	None	None	None	Green		Clear		
S7	04/10/22	0925	<10	<10	2	None	None	None	None	Green		Clear		
S8	04/10/22	0915	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	04/10/22	0905	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	04/10/22	0850	<10	<10	2	None	None	None	None	Green		Clear		
S10	04/10/22	0845	<10	<10	<2	None	None	None	None	Green		Clear		
S11	04/10/22	0835	<10	<10	<2	None	None	None	None	Green		Clear		
S12	04/10/22	0825	20	<10	<2	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 0801

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	04/21/22	0800	50	<10	<2	None	None	None	None	Green		Clear		
S4	04/21/22	1015	<10	<10	2	None	None	None	None	Green		Clear		
S5	04/21/22	0955	20	<10	10	None	None	None	None	Green		Slightly Turbid		
S6	04/21/22	0940	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	04/21/22	0935	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	04/21/22	0925	20	<10	2	None	None	None	None	Green		Slightly Turbid		
S8	04/21/22	0915	<10	<10	<2	None	None	None	None	Green		Clear		
S9	04/21/22	0900	<10	<10	<2	None	None	None	None	Brown	56	Slightly Turbid		
ACM1	04/21/22	0855	<10	<10	<2	None	None	None	None	Brown		Slightly Turbid		
S10	04/21/22	0835	<10	<10	<2	None	None	None	None	Brown		Slightly Turbid		
S11	04/21/22	0830	<10	<10	<2	None	None	None	None	Brown		Slightly Turbid		
S12	04/21/22	0820	10	<10	<2	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.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 0647

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	04/26/22	0800	40	<10	<2	None	None	None	None	Green		Slightly Turbid		
S4	04/26/22	1020	10	<10	<2	None	None	None	None	Brown		Slightly Turbid		
S5	04/26/22	1005	10	<10	<2	None	None	None	None	Brown		Slightly Turbid		
S6	04/26/22	0955	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
WEST	04/26/22	0950	<10	<10	2	None	None	None	None	Green		Clear		
S7	04/26/22	0945	20	<10	<2	None	None	None	None	Green		Clear		
S8	04/26/22	0935	<10	<10	<2	None	None	None	None	Green		Clear		
S9	04/26/22	0905	10	10	<2	None	None	None	None	Green		Slightly Turbid		
ACM1	04/26/22	0855	10	<10	6	None	None	None	None	Brown		Slightly Turbid		
S10	04/26/22	0840	10	<10	4	None	None	None	None	Brown		Slightly Turbid		
S11	04/26/22	0830	10	<10	2	None	None	None	None	Brown		Slightly Turbid		
S12	04/26/22	0820	<10	10	2	None	None	None	None	Brown	57	Slightly Turbid		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: April 2022

REPORT DUE: June 1, 2022

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: Low Tide 1010 N-2: Foam on Water Surface

Sta No.	Sample Depth	Sample Date	Total Coliform	Fecal Coliform	Enterococcus	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600				
A-1	Surface	04/19/22	<2	<2	<2	0757	0	0	
A-1	Mid depth	04/19/22	<10	<10	<10				
A-2	Surface	04/19/22	20	4	<2	0747	0	0	
A-2	Mid depth	04/19/22	40	<10	<10				
A-3	Surface	04/19/22	<2	<2	<2	0750	0	0	
A-3	Mid depth	04/19/22	<10	<10	<10				
A-4	Surface	04/19/22	<2	<2	<2	0803	0	0	
A-4	Mid depth	04/19/22	40	10	<10				
A-5	Surface	04/19/22	<2	<2	<2	0755	0	0	
A-5	Mid depth	04/19/22	40	<10	<10				
B-1	Surface	04/19/22	<2	<2	<2	0736	0	0	
B-1	Mid depth	04/19/22	20	<10	<10				
B-2	Surface	04/19/22	<2	<2	<2	0812	0	0	
B-2	Mid depth	04/19/22	80	10	<10				
N1	Surface	04/19/22	10	<2	<2	0825	0	0	
N2	Surface	04/19/22	20	<2	6	0824	0	0	
N3	Surface	04/19/22	<2	<2	<2	0823	0	0	
N4	Surface	04/19/22	<2	<2	<2	0822	0	0	
N5	Surface	04/19/22	<2	<2	<2	0821	0	0	
N6	Surface	04/19/22	<2	<2	<2	0820	0	0	
N7	Surface	04/19/22	<2	<2	<2	0819	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 2022**

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 - 2022
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

April 2022

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC	SCWD	SJCOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	Desalter FLOW MGD	Desalter FLOW MGD	FLOW MGD	Fall inches
04/01/22	7.880	10.0	7.3	<0.1	3.877	8.8	7.0	<0.1	0.006	2.4	2.8	<0.1	1.353	21.2	12.4	<0.1	0.492	0.178	14.380	0.00
04/02/22	7.880	10.2	17.8		2.507		6.0		0.023				1.362			<0.1	0.492	0.184	13.400	0.00
04/03/22	7.750	15.6	13.1	<0.1	3.167				0.000				1.494				0.492	0.179	13.560	0.00
04/04/22	7.720	15.3	15.3	<0.1	2.711	7.6	6.0	<0.1	0.006	3.1	6.1	<0.1	1.408	21.2	9.8	<0.1	0.488	0.178	13.240	0.00
04/05/22	7.660	9.9	10.7	<0.1	2.813	10.2	9.0	<0.1	0.007	2.2	6.2	<0.1	1.352	18.0	11.8	<0.1	0.489	0.183	13.150	0.00
04/06/22	7.680	8.1	9.1	0.1	2.600	7.5	6.0	<0.1	0.179	2.7	4.4	0.1	0.258	24.4	13.8	<0.1	0.489	0.183	12.950	0.01
04/07/22	7.950	16.4	14.0	0.1	2.554	10.7	8.0	<0.1	0.156	4.3	3.4	<0.1	1.303				0.487	0.178	12.770	0.00
04/08/22	7.630	11.2	9.4	0.2	2.315	9.5	8.0	<0.1	0.017	5.8	2.6	<0.1	1.272	33.4	17.6	5.0	0.140	0.179	12.560	0.00
04/09/22	7.530	13.1	23.3		1.905		7.0		0.000				1.370	31.2	17.0	<0.1	0.000	0.183	11.820	0.00
04/10/22	7.710	19.1	16.1	<0.1	1.683				0.000				1.139				0.178	0.179	11.250	0.00
04/11/22	7.860	14.8	16.7	0.1	2.515	13.2	9.0	<0.1	0.019	1.7	6.2	<0.1	1.034				0.327	0.179	11.530	0.00
04/12/22	8.170	10.2	8.3	<0.1	2.236	8.0	7.0	<0.1	0.025	1.6	6.6	<0.1	1.046	31.4	18.0	<0.1	0.355	0.183	12.080	0.00
04/13/22	8.020	9.6	7.9	0.1	2.558	8.3	6.0	<0.1	0.109	1.4	2.4	<0.1	1.227	28.0	17.0	0.1	0.370	0.179	12.480	0.00
04/14/22	8.070	10.1	7.4	0.1	2.750	9.2	8.0	<0.1	0.010	1.1	3.0	<0.1	1.193	19.6	13.5	<0.1	0.369	0.178	12.670	0.00
04/15/22	7.960	8.6	6.7	0.1	2.461	8.8	8.0	<0.1	0.025	1.3	2.6	<0.1	1.147	16.0	10.6	<0.1	0.370	0.183	12.770	0.00
04/16/22	7.940	11.7	7.9		2.464		9.0		0.000				1.186	10.4	8.4	<0.1	0.369	0.179	12.760	0.00
04/17/22	8.110	17.1	16.2	<0.1	2.870				0.000				1.078				0.392	0.179	12.620	0.00
04/18/22	8.040	13.4	13.7	<0.1	2.025	9.0	8.0	<0.1	0.019	0.9	7.4	<0.1	1.339	15.4	8.1	<0.1	0.387	0.183	13.330	0.00
04/19/22	7.850	12.4	10.1	<0.1	2.374	10.4	8.0	<0.1	0.018	1.5	6.0	<0.1	1.337	16.6	8.1	<0.1	0.367	0.181	12.860	0.00
04/20/22	7.770	28.0	14.4	0.1	2.132	9.8	9.0	<0.1	0.028	1.3	1.9	0.1	1.326	18.8	12.6	<0.1	0.366	0.177	12.780	0.00
04/21/22	7.710	52.3	25.1	<0.1	2.388	11.6	9.0	<0.1	0.008	1.6	2.1	<0.1	1.177	24.0	14.8	<0.1	0.372	0.183	12.370	0.00
04/22/22	7.950	26.0	15.6	0.2	2.218	8.8	7.0	<0.1	0.057	1.4	2.7	<0.1	1.156	23.2	13.8	<0.1	0.461	0.178	12.000	0.10
04/23/22	7.690	11.1	8.9		1.925		9.0		0.000				1.167				0.411	0.179	12.100	0.00
04/24/22	7.960	11.5	12.1	<0.1	2.098				0.000				1.161				0.368	0.183	11.350	0.00
04/25/22	7.990	9.6	14.4	0.1	2.899	8.9	7.0	<0.1	0.014	1.4	7.0	<0.1	1.100	18.2	9.6	<0.1	0.370	0.179	12.040	0.00
04/26/22	7.870	9.2	8.3	<0.1	1.718	9.3	9.0	<0.1	0.004	1.5	6.8	<0.1	1.201	16.6	12.5	<0.1	0.352	0.179	12.320	0.00
04/27/22	7.640	11.7	8.6	<0.1	2.609	9.8	13.0	<0.1	0.022	1.1	2.2	0.1	1.195	17.4	13.0	<0.1	0.344	0.183	12.030	0.00
04/28/22	7.530	9.5	8.0	<0.1	2.033	9.6		<0.1	0.018	1.4	2.2	<0.1	1.186	16.8	12.0	<0.1	0.344	0.178	12.120	0.00
04/29/22	7.580	10.3	10.3	0.2	2.061	9.3	7.0	<0.1	0.017	2.0	2.7	<0.1	1.227	14.0	9.8	<0.1	0.344	0.179	11.380	0.00
04/30/22	7.660	10.5	8.6		1.890		8.0		0.000				1.168				0.347	0.178	11.550	0.00
AVG	7.825	14.2	12.2	<0.1	2.412	9.4	7.9	<0.1	0.026	2.0	4.2	<0.1	1.199	20.8	12.6	<0.3	0.371	0.180	12.474	
TOTAL	234.760				72.356				0.787				35.962				11.132	5.404	374.220	0.11

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 0504

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/03/22	0816	70	<20	24	None	None	None	None	Green	60	Clear		
S1	04/03/22	0822	20	<20	20	None	None	None	None	Green	60	Clear		
S2	04/03/22	0803	200	20	66	None	None	None	None	Green	60	Slightly Turbid		
DSB5	04/03/22	0745	60	<20	34	None	None	None	None	Green	60	Slightly Turbid		
S3	04/03/22	0826	60	<20	10	None	None	None	None	Green	60	Clear		
DSB4	04/03/22	0827	<20	20	6	None	None	None	None	Brown	60	Clear		
S5	04/03/22	0902	<20	<20	6	None	None	None	None	Green	60	Clear		
DSB1	04/03/22	0906	40	<20	10	None	None	None	None	Green	60	Clear		
SJC1	04/03/22	0811	1,200	<100	130	None	None	None	None	Green	60	Slightly Turbid	Flowing	

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 0450
 Weather: Partly Cloudy
 COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/10/22	0750	210	100	54	None	None	None	None	Green	57	Clear		
S1	04/10/22	0825	<20	<20	4	None	None	None	None	Green	57	Clear		
S2	04/10/22	0738	40	<20	10	None	None	None	None	Green	57	Clear		
DSB5	04/10/22	0728	40	<20	10	None	None	None	None	Brown	57	Slightly Turbid		
S3	04/10/22	0820	<20	<20	4	None	None	None	None	Green	57	Clear		
DSB4	04/10/22	0817	<20	<20	2	None	None	None	None	Green	57	Clear		
S5	04/10/22	0833	20	<20	8	None	None	None	None	Green	57	Clear		
DSB1	04/10/22	0839	<20	<20	2	None	None	None	None	Green	57	Clear		
SJC1	04/10/22	0742	8,000	4,300	2,000	None	None	None	None	Green	57	Slightly Turbid	Flowing	

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: April 2022
 REPORT DUE: June 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 1014

Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/17/22	0830	40	<20	20	None	None	None	None	Green	61	Clear		
S1	04/17/22	0852	20	100	2	None	None	None	None	Green	61	Clear		
S2	04/17/22	0820	240	<20	20	None	None	None	None	Green	61	Clear		
DSB5	04/17/22	0800	200	100	90	None	None	None	None	Brown	61	Slightly Turbid		
S3	04/17/22	0847	<20	<20	2	None	None	None	None	Green	61	Clear		
DSB4	04/17/22	0842	400	<20	2	None	None	None	None	Green	61	Clear		
S5	04/17/22	0858	20	<20	2	None	None	None	None	Green	61	Clear		
DSB1	04/17/22	0906	<20	<20	<2	None	None	None	None	Green	61	Clear		
SJC1	04/17/22	0825	100	<100	50	None	None	None	None	Green	61	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: April 2022
 REPORT DUE: June 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

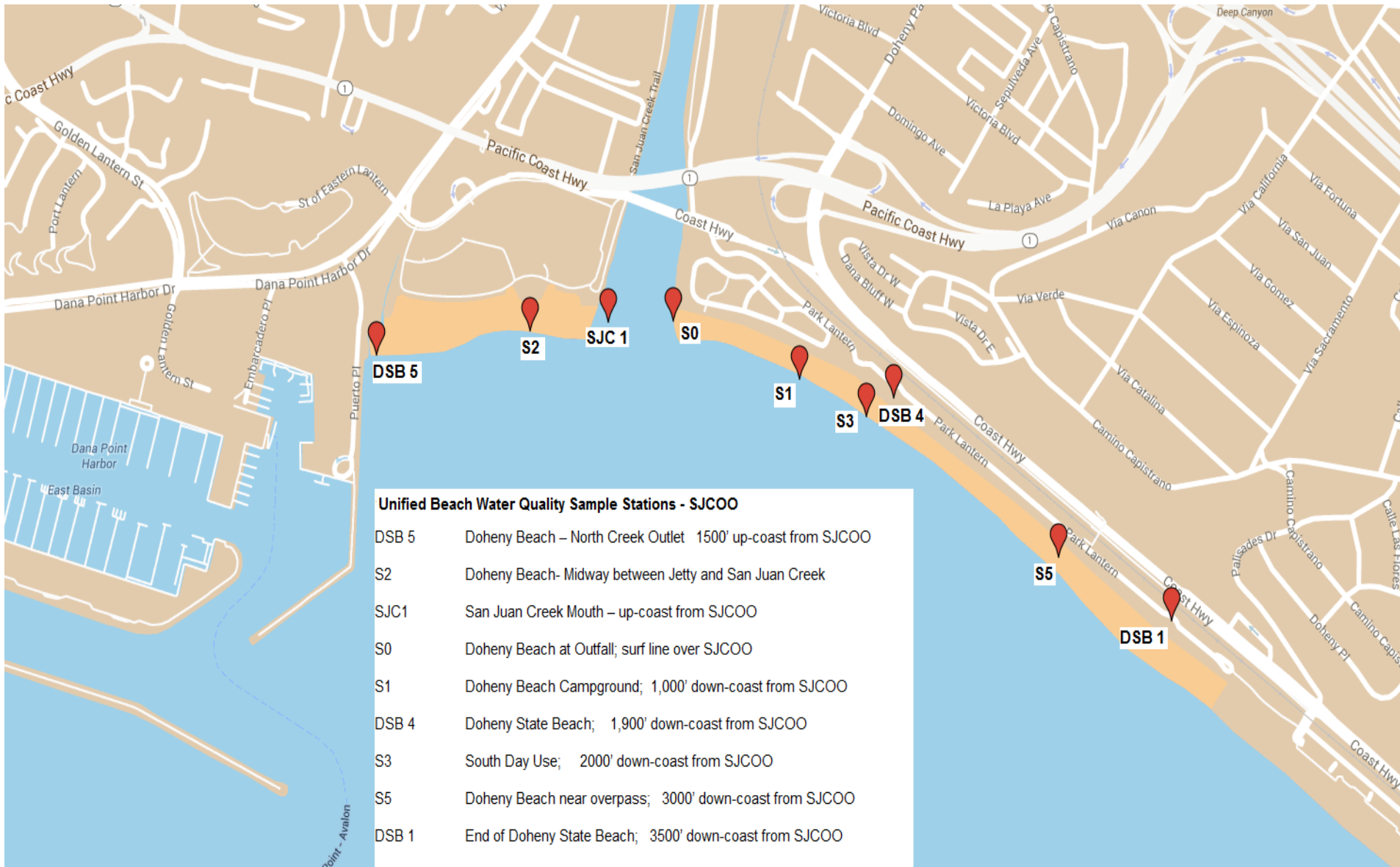
Tidal Condition: High Tide 0738

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor					
S0	04/27/22	0904	20	<20	<2	None	None	None	None	Brown	60	Slightly Turbid		
S1	04/27/22	0910	40	20	20	None	None	None	None	Brown	60	Slightly Turbid		
S2	04/27/22	0854	<20	<20	<2	None	None	None	None	Brown	60	Slightly Turbid		
DSB5	04/27/22	0845	40	<20	2	None	None	None	None	Brown	60	Slightly Turbid		
S3	04/27/22	0940	<20	20	<2	None	None	None	None	Brown	60	Slightly Turbid		
DSB4	04/27/22	0936	20	<20	2	None	None	None	None	Brown	60	Slightly Turbid		
S5	04/27/22	0947	<20	<20	<2	None	None	None	None	Brown	60	Slightly Turbid		
DSB1	04/27/22	0950	<20	<20	2	None	None	None	None	Brown	60	Slightly Turbid		
SJC1	04/27/22	0901	<100	<100	<10	None	None	None	None	Brown	60	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: April 2022

REPORT FREQUENCY: Monthly

REPORT DUE: June 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 1010

Station No.	Sample Depth	Sample Date	Total Coliform	Fecal Coliform	Enterococcus	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600				
A-1	Surface	04/19/22	<2	<2	<2	0930	0	0	
A-1	Mid depth	04/19/22	40	10	<10				
A-2	Surface	04/19/22	<2	<2	<2	0934	0	0	
A-2	Mid depth	04/19/22	60	10	<10				
A-3	Surface	04/19/22	<2	<2	<2	0938	0	0	
A-3	Mid depth	04/19/22	30	<10	<10				
A-4	Surface	04/19/22	<2	<2	<2	0945	0	0	
A-4	Mid depth	04/19/22	<10	30	<10				
A-5	Surface	04/19/22	<2	<2	<2	0941	0	0	
A-5	Mid depth	04/19/22	70	10	<10				
B-1	Surface	04/19/22	<2	<2	<2	0920	0	0	
B-1	Mid depth	04/19/22	30	10	<10				
B-2	Surface	04/19/22	<2	<2	<2	0954	0	0	
B-2	Mid depth	04/19/22	<10	20	<10				
N1	Surface	04/19/22	<2	<2	<2	0904	0	0	
N2	Surface	04/19/22	2	<2	<2	0901	0	0	
N3	Surface	04/19/22	<2	<2	<2	0858	0	0	
N4	Surface	04/19/22	<2	<2	<2	0855	0	0	
N5	Surface	04/19/22	<2	<2	<2	0852	0	0	
N6	Surface	04/19/22	2	<2	<2	0850	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 2022**

SJCOO Permit Order No. R9-2012-0012							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SMWD/CSJC	03/09/2022	Oil and Grease	Weekly Average	mg/L	25.00	57.00	\$3,000
SMWD/CSJC	03/09/2022	Oil and Grease	Monthly Average	mg/L	40.00	57.00	\$3,000
CSC	03/18/2022	pH	Daily	SU	Daily	Not Reported	\$3,000
CSC	03/18/2022	Settleable Solids	Daily	ml/L	Daily	Not Reported	\$3,000
MNWD	3/30/2022	Settleable Solids	Daily	ml/L	3.00	3.60	\$3,000
MNWD	4/8/2022	Settleable Solids	Daily	ml/L	3.00	5.00	\$3,000



**SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2022
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.							

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - RTP	1/2/2022	TDS	12-Month	mg/L	1000	1208	
SOCWA - RTP	1/2/2022	TDS	Daily Maximum	mg/L	1100	1310	
SOCWA - RTP	1/2/2022	Manganese	12-Month	mg/L	0.05	0.130	
TCWD - RRWRP	1/4/2022	TDS	12 month	mg/L	1000	1031	
TCWD - RRWRP	1/31/2022	Nitrate	Quarterly	mg/L	45	19.60	
SOCWA - RTP	2/1/2022	TDS	12-Month	mg/L	1000	1214	
SOCWA - RTP	2/1/2022	TDS	Daily Maximum	mg/L	1100	1200	
SOCWA - RTP	2/1/2022	Manganese	12-Month	mg/L	0.05	0.101	
SOCWA - RTP	2/1/2022	Iron	12-Month	mg/L	0.3	0.308	
SOCWA - CTP	2/1/2022	TDS	Daily Maximum	mg/L	1100	1320	
TCWD - RRWRP	2/1/2022	TDS	12 month	mg/L	1000	1035	
SOCWA - RTP	3/1/2022	TDS	12-Month	mg/L	1000	1218	
SOCWA - RTP	3/1/2022	TDS	Daily Maximum	mg/L	1100	1200	
SOCWA - RTP	3/1/2022	Manganese	12-Month	mg/L	0.05	0.101	
SOCWA - RTP	3/1/2022	Iron	12-Month	mg/L	0.3	0.309	
SOCWA - CTP	3/2/2022	TDS	Daily Maximum	mg/L	1100	1340	
SOCWA - CTP	3/3/2022	Manganese	12-Month	mg/L	0.05	0.808	
TCWD - RRWRP	3/1/2022	TDS	12 month	mg/L	1000	1054	
MNWD - 3A	3/16/2022	TDS	12-Month	mg/L	1000	1136	
MNWD - 3A	3/16/2022	TDS	Daily Maximum	mg/L	1100	1220	
SOCWA - RTP	4/7/2022	TDS	12-Month	mg/L	1000	1226	
SOCWA - RTP	4/7/2022	TDS	Daily Maximum	mg/L	1100	1260	
SOCWA - RTP	4/7/2022	Manganese	12-Month	mg/L	0.05	0.102	
SOCWA - RTP	4/7/2022	Iron	12-Month	mg/L	0.3	0.306	
SOCWA - CTP	4/7/2022	Manganese	12-Month	mg/L	0.05	0.114	
TCWD - RRWRP	4/5/2022	TDS	12 month	mg/L	1000	1052	

Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Apr 30, 2022

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	1,052	926	896	892	1,136	1,226	1,036
Chloride	mg/L	375	245	207	200	273	219	261	219
Sulfate	mg/L	400	367	273	230	207	354	353	272
Sodium	mg/L	None	101	170	160	200		183	163
Alkalinity	mg/L	None	-	-	-	-		272	204
Adjusted SAR	Ratio	None	4.62	4.80	4.98	5.82	3.98	4.36	4.28
Iron	mg/L	0.3	0.051	0.028	0.133	0.016	0.15	0.306	0.128
Manganese	mg/L	0.05	0.008	0.026	0.040	0.010	0.07	0.102	0.114
MBAS	mg/L	0.5	ND	<0.14	<0.11	0.24	<0.03	<0.06	<0.06
Boron	mg/L	0.75	0.356	0.397	0.363	0.463	0.38	0.352	0.36
Fluoride	mg/L	None	0.65	0.717	0.51	0.58	0.94	0.83	0.75
Total Organic Carbon	mg/L	None	4.7	12.0	12.0	8.6	2.3	10.4	7.8

*** 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)
2022

Agency	Facility or Region	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00									0.00
CSJC 2	Chiquita/SMWD	16.66	30.01	39.56	37.94									124.17
CSJC 3	Non-Domestic Well	1.00	7.71	18.53	22.22									49.46
ETWD	Region 8	37.87	112.25	138.10	155.44									443.66
IRWD														
4	IRWD - 8	44.49	101.76	129.52	100.54									376.31
4	IRWD - 9	22.36	50.45	63.88	57.66									194.35
SCWD	SOCWA CTP	9.15	63.52	76.57	127.78									277.02
MNWD	JRP	299.83	439.71	484.91	529.66									1754.11
	3-A Plant	0.00	0.00	37.40	0.00									37.40
5	CTP	-17.36	4.33	4.62	4.33									-4.08
SMWD	Oso Creek	140.68	93.64	OL	OL									234.32
	Chiquita	489.98	436.03	486.30	458.98									1871.28
	Nichols	1.52	1.61	2.16	1.64									6.93
TCWD	RRWRP	49.52	42.36	48.19	44.44									184.51
TOTALS		1095.70	1383.39	1529.74	1540.63									5549.47

- 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.J.

Board of Directors Meeting

Meeting Date: June 2, 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 (*May*)

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:

Primary Basin 1, Primary Basin 2, and their influent and effluent channels are completed pending testing and verification of the skimmers by the manufacturer. DAFT #2 has been completed and is operational. DAFT #1 was removed from service and is being demolished by the contractor. Finally, the contractor energized the new MCC-F1 for the Digester area equipment.



Newly energized MCC-F1



Completed Primary Basins Nos. 1 and 2



DAFT#1 demolition started

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:

SOCWA staff is working with Dudek to finalize the mitigation acreages for future restoration efforts.

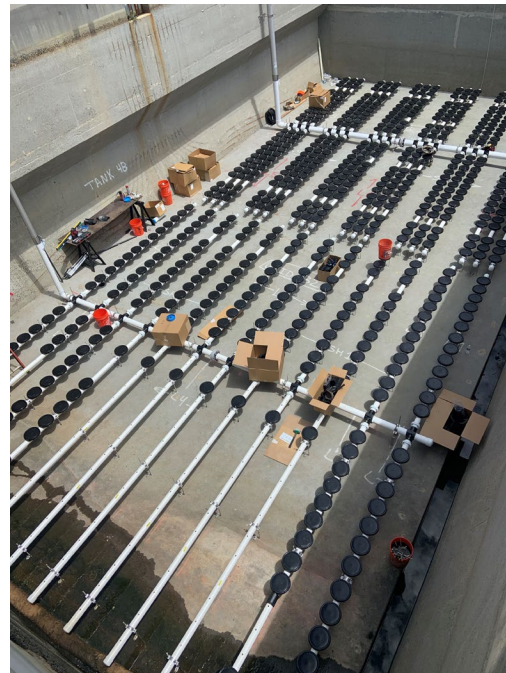
Regional Treatment Plant Aeration Diffusers Project

Install new diffusers in all six (6) aeration tanks:

The contractor is installing the first set of tanks. O&M anticipates testing the new diffusers in the first tank in early May 2022. The photos below show the progression of construction in the first tank from left to right.



Starting Tank Work



Nearly Completed Tank

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 /32211L/ 32212L	Facility Improvements B	\$ 7,050,000	\$ -	In Construction	C	C	C	C	C	C		
3221-000	Electrical System Evaluation (2019)	\$ -	\$ -	In Design			P	P				
32228L/3215/3252	2022 Electrical System Rehabilitations	\$ -	\$ -	Pending 3221 Completion					P	D	B&A	C
3285/32234L/ 32226L/3253	2022 Gate and Piping Rehabilitations	\$ -	\$ 375,000	Portion of the work being removed from Package B					P	D	B&A	C
2337/ 32225S-C /3216	2022 Misc. Roofing Rehabilitations	\$ 1,580,000	\$ 2,370,000	Portion of the work being removed from Package B							P	D
4203	Plant Hydraulic Model	\$ -	\$ -	Study Nearly Complete								
3209	SGIP Grant Administration	\$ (150,000)	\$ (150,000)	Reporting month to SGIP Admin	P	P	P	P	P	P	P	P
PC 5 - San Juan Creek Ocean Outfall												
562210	Outfall Port Cleaning	\$ 45,000	\$ -	Planning underway			ENV	ENV				
362210	Surge System Air Valve Replacement	\$ -	\$ 39,062									C
462110	Land Outfall Facility Condition Assessment	\$ -	\$ 52,326								CA	CA
462210	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	Pipe Complete / Mitigation work underway	C	C	C	ENV	ENV	ENV	ENV	ENV
35228L	Aeration Blower System Upgrades	\$ 1,600,000	\$ 6,400,000	Diffusers only at this time. Diffusers purchased for installation in FY23. Blower design in FY23.			D	P	B&A	C	C	
35228L/3504/35221L	Aeration System Upgrades and Rehabilitations	See 35228L above	See 35228L above	Second phase of the project including new blowers and project element removed from the Facilities Improvement Project					P	D	B&A	C
3530/3528/3529/35232L	Slope Repair and Rehabilitation Projects	\$ -	\$ 175,000	In Design and Permitting	D	D	D	D	C	C	C	C
3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -	In Design		D	D	B&A	C	C		
35220L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -	AT&T Reviewing Project			P	B&A	C			
3522AL	Drainage Pump Station	\$ 175,000	\$ -				P	CA	D	B&A	C	
35229L/35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ 76,422	\$ 36,719						P	CA	D	B&A
45226L	Consequence of Failure Analysis	\$ 50,000	\$ -	Work underway			P	P				

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												
3758/3759	AWT No.2 Reconstruction (2020)	\$ 2,620,002	\$ -	In design			D	B&A	C	C		
3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,750,000	\$ -	Installation started	C	C	C	C				
3753/3722CL /3722BL/3776 /37232L/C /47222L/ 37234L 3775/ 37232C/37220L /3756 /37233L	2023 Secondary Rehabilitation Project	\$ 1,378,755	\$ 6,169,518					P	D	D	B&A	C
47224C	Consequence of Failure Analysis	\$ 50,000	\$ -	Working an awarding contract				P	P	P		
57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -	After 3722AL/C/S								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	B&A	C	C
3789/3790/ 37231S/3754/377 2/3749/3771	Solids Area Overhaul Plan	\$ -	\$ 100,446	In Design		D	D	D	D			On hold until 2023 Secondary Project is complete.

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	\$ -	EIR being prepared		D	D	ENV	B&A	C	C	
3101/31221B	Trail Bridge Crossing (D)	\$ 360,000	\$ 840,000	EIR being prepared		D	D	ENV	B&A	C	C	C
3108-000 (E)	Air Valve Replacement Construction (E) (2021)	\$ 472,222	\$ -	EIR being prepared		D	D	ENV	B&A	C	C	
PC 24 - Aliso Creek Ocean Outfall												
3480-000	Internal Seal Replacement	\$ 175,000	\$ -	In design			D	D	B&A	C	C	
542210	Outfall Port Cleaning	\$ 45,000	\$ -						ENV	ENV		
342310	Metering and Sampling	\$ -	\$ 66,964						D	D	B&A	C

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

Agenda Item

6.J.

Board of Directors Meeting

Meeting Date: June 2, 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 (*June*)

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 of Digester 4:

Primary Basin Nos. 3 and 4 were removed from service for coating work. The effluent channel behind Primary Basin Nos. 3 and 4 was coated. The effluent channel required bypass pumping and was completed in less than two weeks. DAFT 1 is nearly reskinned and being prepared for equipment installation. Digester 1 is in final startup testing with actual sludge.



DAFT prior to reskinning



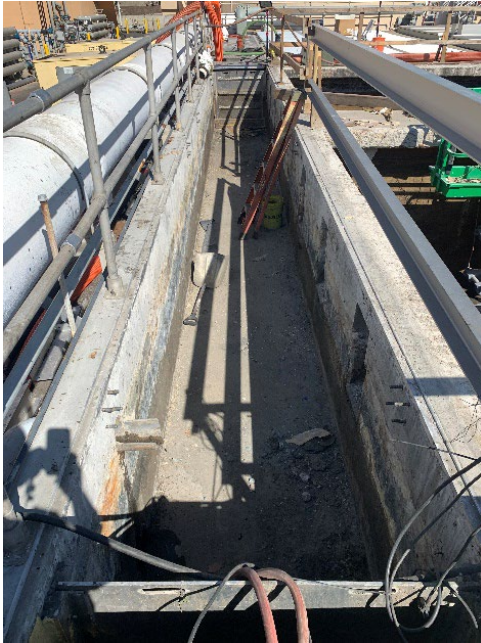
DAFT post reskinning

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Primary 3/4 Effluent Channel Coating
With Bypass Pumping for Primaries 1



Completed Primary 3/4 Effluent Channel
Covered and in Service

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:

SOCWA staff is assessing the fire damage to the habitat restoration area and working on project closeout items.

Regional Treatment Plant Aeration Diffusers Project

Install new diffusers in all six (6) aeration tanks:

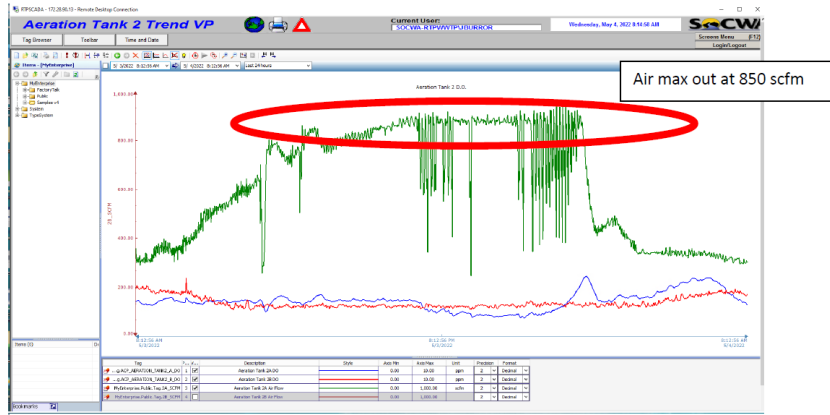
The contractor has completed the installation of the first two tanks, and they were placed in service. There was an immediate reduction in treatment aeration demands (resulting in power demand reductions) and improvements in effluent water quality.

Before Panel Air Demand (peaks at max 850 scfm)

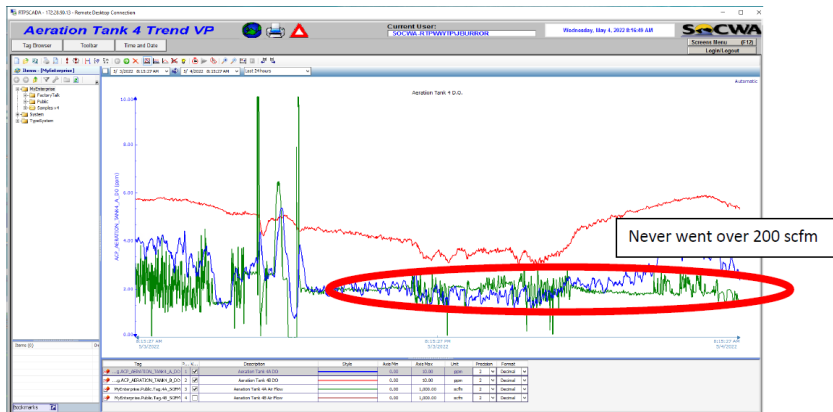
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Post Two Panel Installation Air Demand (peaks never exceed 200 scfm)



scfm – standard cubic feet per minute

Agenda Item

6.K.

Board of Directors Meeting

Meeting Date: June 2, 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 Construction Projects Progress and Change Order Report (**April**) [Project Committees.2, 15, and 17]

Overview

Active Construction Project Updates:

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 three new change orders for PC 2 J.B. Latham Package B project totaling \$16,669.62 and one new change order for PC 15 Coastal Treatment Plant Export Sludge Force Main Replacement Project for a time extension of 51 days at no additional cost.

New Construction Project:

For PC 17, the Regional Treatment Plant Aeration Diffuser Replacement Project has been added to the CIP report. Construction began in March.

Closed Project:

For PC 15, the Coastal Treatment Plant Facility Improvements Project has been removed from the CIP report. Construction has been complete.

Engineering Committee Actions Being Reported to the Project Committee 2 Board:

As authorized by the Project Committee 2 Board on March 10, 2022, the Engineering Committee authorized the General Manager to issue payments within contingency amounts for the following Package B Change Orders with Olsson Construction:

- Change Order 42 for \$12,885.18, including 1 additional day(s)
- Change Order 43 for \$2,774.58, including 0 additional day(s)
- Change Order 44 for \$1,009.86, including 0 additional day(s)

The total of the Change Orders is \$16,669.62, and the revised contract value is \$18,714,842.00.

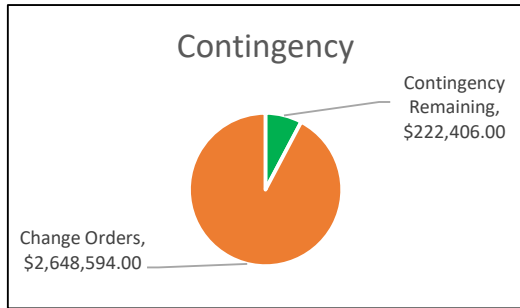
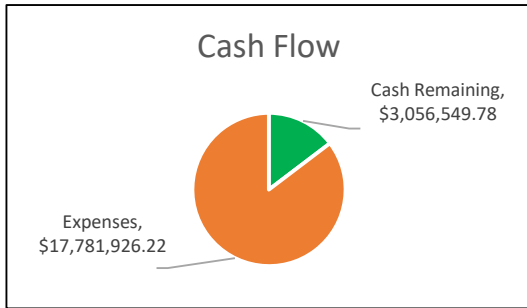
Recommended Action: The Engineering Committee recommends that the PC 15 Board approve JR Filanc Change Order 24 for a time extension of 51 days for the Coastal Treatment Plant Export Sludge Force Main Replacement project at no additional cost.

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

April 5, 2022



Cash Flow

Collected	\$ 20,838,476.00
Expenses	\$ 17,781,926.22

Project Completion

Schedule	89%
Budget	75%

Contracts

Company	PO No.	Original	Change Orders*	Total	Invoiced
Olsson	13497	\$ 17,325,000.00	\$ 1,389,842.00	\$ 18,714,842.00	\$ 13,861,746.30
Butier	13647	\$ 895,727.00	\$ 612,715.00	\$ 1,508,442.00	\$ 1,423,192.00
Carollo	13616	\$ 846,528.00	\$ 616,037.00	\$ 1,462,565.00	\$ 1,143,748.86
TetraTech	13605	\$ 94,000.00	\$ -	\$ 94,000.00	\$ 87,057.20
Ninyo & Moore	14279	\$ 49,399.00	\$ 30,000.00	\$ 79,399.00	\$ 42,227.27
ADS Environmental	16452	\$ 24,875.00	\$ -	\$ 24,875.00	\$ 24,875.00
Hallsten	16578	\$ 251,422.00	\$ -	\$ 251,422.00	\$ -
Dudek	17401	\$ 48,360.00	\$ -	\$ 48,360.00	\$ 18,600.00
		\$ 19,535,311.00	\$ 2,648,594.00	\$ 22,183,905.00	\$ 16,601,446.63

*Values include change orders to be reviewed by Engineering Committee

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 916,800.00	\$ 903,129.41	\$ 13,670.59	98.5%
Common	3231-000	\$ 96,800.00	\$ 83,680.00	\$ 13,120.00	86.4%
Solids	3287-000	\$ 1,857,400.00	\$ 1,661,784.59	\$ 195,615.41	89.5%
		\$ 2,871,000.00	\$ 2,648,594.00	\$ 222,406.00	92.3%

Summary of New Change Orders

Change Order No	CSJC	MNWD	SCWD	SMWD	\$ Amount
42	\$ 3,865.55	\$ 2,785.98	\$ 2,577.04	\$ 3,656.61	\$ 12,885.18
43	\$ 832.37	\$ 599.91	\$ 554.92	\$ 787.38	\$ 2,774.58
44	\$ 310.73	\$ 233.04	\$ 291.31	\$ 174.78	\$ 1,009.86
Grand Total	\$ 5,008.65	\$ 3,618.94	\$ 3,423.26	\$ 4,618.77	\$ 16,669.62

Change Orders

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
Approved by Board of Directors					190	\$ 2,631,924.38
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	12/12/2019	0	\$ 4,725.00
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	6/4/2020	0	\$ 6,343.10
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	6/4/2020	11	\$ 37,969.60
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	6/4/2020	3	\$ 24,001.54
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	8/6/2020	28	\$ 16,370.30
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	8/6/2020	90	\$ 41,993.87
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	8/6/2020	3	\$ 7,412.74

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	8/6/2020	0	\$ (1,829.00)
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	8/6/2020	0	\$ 18,677.63
10	Olsson	3287-000	Duct bank J Interferences	12/17/2020	18	\$ 73,639.42
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	12/17/2020	5	\$ 20,868.52
12	Olsson	3220-000	Duct bank K Interferences	12/17/2020	0	\$ 15,567.08
13	Olsson	3287-000	Digester 3/4 PLC Relocation	12/17/2020	14	\$ 41,367.51
14	Olsson	3287-000	Digester 4 Additional Tank Repair	12/17/2020	18	\$ 33,642.75
15	Olsson	3220-000	Duct bank O Interferences	12/17/2020	0	\$ 1,686.88
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	2/4/2021	0	\$ 42,780.00
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	5/6/2021	0	\$ 34,392.02
18	Olsson	3287-000	Integrator Additional Site Visits	5/6/2021	0	\$ 7,571.97
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	6/3/2021	0	\$ 29,417.20

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	6/3/2021	0	\$ 62,113.50
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	6/3/2021	0	\$ 42,922.67
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	9/2/2021	0	\$ 28,965.33
23	Olsson	3287-000	MCC-F1 Design Change	9/2/2021		\$ 481,290.42
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	10/7/2021		\$ 67,838.71
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	10/7/2021		\$ 4,957.71
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	10/7/2021		\$ 8,444.20
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	10/7/2021		\$ 15,469.98
28	Olsson	3287-000	MCC-F1 Lighting Changes	10/7/2021		\$ 7,843.04
29	Olsson	3287-000	Digester 3 Ground Rod	10/14/2021		\$ 7,269.16
30	Olsson	3220-000	New Fiber Conduits at East Electrical and Storm Water Buildings	10/14/2021		\$ 8,045.43
31	Olsson	3220-000	Plant 2 Primary Influent Channel Repair Credit	12/9/2021		\$ (15,903.00)

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
32	Olsson	3220-000	Plant 1 and 2 Telescoping Valve Pipe Supports	12/9/2021		\$ 6,132.27
33	Olsson	3287-000	4" Gas Line Routing Modifications	12/9/2021		\$ 18,146.07
34	Olsson	3287-000	Gas Mixer Conduit Conflict	12/9/2021		\$ 12,383.89
35	Olsson	3220-000	P1 Primary Tanks 5 and 6 Temporary Power	3/10/2022		\$ 7,256.05
36	Olsson	3220-000	P1 Primary Tanks Skimmers Starter Modification	3/10/2022		\$ 45,374.13
37	Olsson	3220-000	P1 Primary Tanks Hopper Wall Coating	3/10/2022		\$ 34,505.41
38	Olsson	3220-000	P1 Effluent Channel Conduit Conflict	3/10/2022		\$ 9,274.98
39	Olsson	3220-000	P1 Primary Tanks Torque Limit Switch	3/10/2022		\$ 7,149.86
40	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	3/10/2022		\$ (2,309.09)
41	Olsson	3287-000	DAFT 2 Repair	3/10/2022		\$ 59,403.53
1CM Common	Butier	3231-000	CM Change Order No. 1	7/13/2021		\$ 48,995.00
1CM Liquids	Butier	3220-000	CM Change Order No. 1	7/13/2021		\$ 294,125.00
1CM Solids	Butier	3287-000	CM Change Order No. 1	7/13/2021		\$ 269,595.00
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	6/3/2021		\$ 18,210.00
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	6/3/2021		\$ 109,256.00
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	6/3/2021		\$ 100,151.00

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
1G Common	Ninyo & Moore	3231-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 5,400.00
1G Liquids	Ninyo & Moore	3220-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
1G Solids	Ninyo & Moore	3287-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
2ESDC Common	Carollo	3231-000	ESDC Change Order No. 2	12/9/2021		\$ 11,075.00
2ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 2	12/9/2021		\$ 196,440.00
2ESDC Solids	Carollo	3287-000	ESDC Change Order No. 2	12/9/2021		\$ 180,905.00
Within Contingency, approved by Engineering Committee					1	\$ 16,669.62
42	Olsson	3287-000	Digesters 1 and 2 Heat Exchanger Layout Reconfiguration Electrical	3/18/2022	1	\$ 12,885.18
43	Olsson	3287-000	Digester 3 Heat Exchanger Hot Water Loop Tie-In	9/22/2021		\$ 2,774.58
44	Olsson	3220-000	Plant 1 Primary Basin 1 Shutdown Repair Work	3/16/2022		\$ 1,009.86
Potential Change						\$ (1,005,199.00)
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.	(blank)		\$ (1,000.00)
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	(blank)		\$ 5,000.00
PCO 005	Olsson	3287-000	TWAS Slab Modifications	(blank)		\$ 50,000.00

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 009	Olsson	3287-000	PLC East Headworks Integration	(blank)		\$ 10,000.00
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	(blank)		\$ 18,146.00
PCO 018	Olsson	3287-000	Duct bank L Interferences	(blank)		\$ 10,000.00
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	(blank)		\$ 7,771.00
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	12/10/2020		\$ 10,000.00
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	8/13/2020		\$ 5,000.00
PCO 050	Olsson	3220-000	Telescoping Valves Rework	12/23/2020		\$ 27,884.00
PCO 066	Olsson	3287-000	DAFT 1 Repair	(blank)		\$ 60,000.00
PCO 083	Olsson	3220-000	Plant 1 Primary Basins Additional Repairs and Replacement	(blank)		\$ 126,000.00
PCO 088	Olsson	3220-000	Plant 1 Primary Existing Coating Removal	(blank)		\$ 36,000.00
PCO 092	Olsson	3287-000	Hot Water System Expansion Tank	8/31/2021		\$ 5,000.00
PCO 093	Olsson	3287-000	DAFT Light Change	8/31/2021		\$ 10,000.00
PCO 094	Olsson	3287-000	Additional Red Coloring Agent to Concrete	9/1/2021		\$ 5,000.00
PCO 095	Olsson	3287-000	Foul Air Rerouting at DAFT 2	9/2/2021		\$ 5,000.00
PCO 097	Olsson	3287-000	Digester Hot Water Temperature Gauge Setting	9/15/2021		\$ 5,000.00

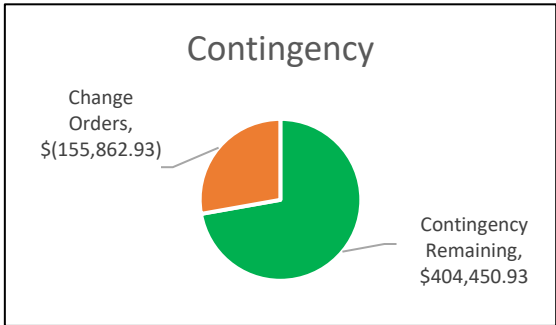
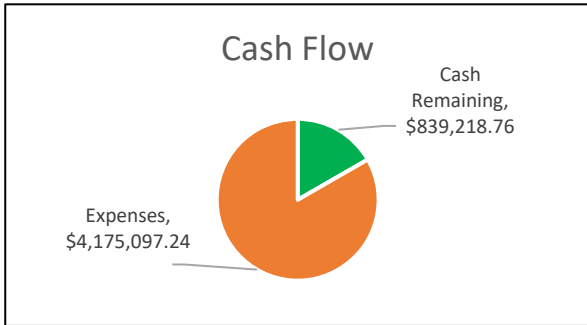
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 998	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	(blank)		\$ (800,000.00)
PCO 999	Olsson	3223-000	Energy Building Modifications Descoppe (F1-F4, G1-G2, & H1-H2)	(blank)		\$ (600,000.00)
Grand Total					191	\$ 1,643,395.00

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

April 5, 2022



Cash Flow

Collected	\$ 5,014,316.00
Expenses	\$ 4,175,097.24

Project Completion

Schedule	100%
Budget	93%

Contracts

Company	PO No.	Original	Change Orders*	Total	Invoiced
Filanc	15949	\$ 3,107,346.00	\$ (155,862.93)	\$ 2,951,483.07	\$ 2,804,182.94
Butier	16164	\$ 226,100.00	\$ -	\$ 226,100.00	\$ 210,342.50
PSOMAS	15961	\$ 277,368.00	\$ -	\$ 277,368.00	\$ 183,712.62
Dudek	15947	\$ 387,750.00	\$ -	\$ 387,750.00	\$ 367,022.00
Ninyo & Moore	16268	\$ 65,790.00	\$ 43,166.00	\$ 108,956.00	\$ 108,950.75
		\$ 4,064,354.00	\$ (112,696.93)	\$ 3,951,657.07	\$ 3,674,210.81

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

Filanc Contingency

Area	Project Code	Amount	Change Orders*	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588.00	\$ (155,862.93)	\$ 404,450.93	-62.7%
		\$ 248,588.00	\$ (155,862.93)	\$ 404,450.93	-62.7%

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

Summary of New Change Orders

Change Order No	CLB	EBSD	MNWD	SCWD	Amount
24	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ -	\$ -	\$ -	\$ -	\$ -

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
Approved by Board of Directors					45	\$ (155,862.93)
1	Filanc	3541-000	Alternative Fiber Optic Conduit Installation at Jack and Bore	6/3/2021	0	\$ 5,689.53
2	Filanc	3541-000	HDPE Pipe Price Adjustment	9/2/2021	0	\$ 15,615.19
3	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	9/2/2021	0	\$ 6,666.27
4	Filanc	3541-000	18-Inch VCP Sewer Line Conflicts	9/2/2021	0	\$ 2,367.81
5	Filanc	3541-000	Lost Production with Equipment Movement	2/3/2022	2	\$ 19,000.00
6	Filanc	3541-000	Abandoned 4" PVC Water Line Interference	2/3/2022	1	\$ 4,833.91
7	Filanc	3541-000	18-Inch VCP Sewer Line Conflict at Sta. 96+55	2/3/2022	1	\$ 6,198.46
8	Filanc	3541-000	Encasement at Sta. 88+90 to 89+90	2/3/2022	0	\$ 3,515.83

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
9	Filanc	3541-000	Concrete Demo and Potholing	2/3/2022	1	\$ 3,525.37
10	Filanc	3541-000	Abandoned 12" PVC Interference	2/3/2022	1	\$ 5,461.87
11	Filanc	3541-000	ACWHEP Unknown Buried Concrete	2/3/2022	3	\$ 27,903.24
12	Filanc	3541-000	Old Sludge Force Main Emergency Repair	4/7/2022	5	\$ -
13	Filanc	3541-000	Jack and Bore Conflict	4/7/2022	4	\$ 100,587.08
14	Filanc	3541-000	Nesting Bird Restrictions	4/7/2022	5	\$ -
15	Filanc	3541-000	COVID Time Impacts	4/7/2022	5	\$ -
16	Filanc	3541-000	Piping Interference at RTP Connection	4/7/2022	3	\$ 11,449.65
17	Filanc	3541-000	Additional Field Survey	4/7/2022	0	\$ 4,569.59
18	Filanc	3541-000	Concrete Removal	4/7/2022	2	\$ 14,909.28
19	Filanc	3541-000	Removing Chlorine Lines at RTP	4/7/2022	0	\$ 1,588.58
20	Filanc	3541-000	Sign Revisions	4/7/2022	0	\$ 1,332.33
21	Filanc	3541-000	Weather Delay	4/7/2022	11	\$ -
22	Filanc	3541-000	Additional Moisture Conditioning	4/7/2022	1	\$ 7,817.39
23	Filanc	3541-000	Credit for Unused Bid Items	4/7/2022	0	\$ (398,894.31)

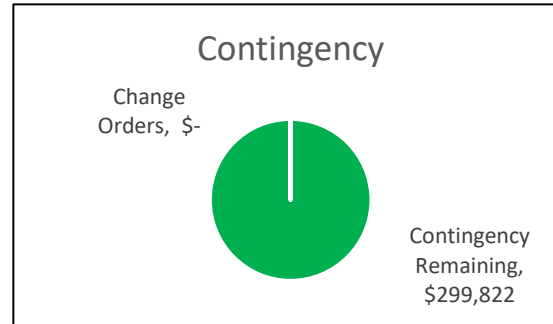
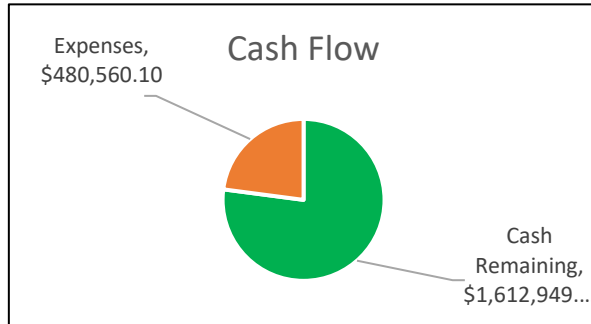
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
Within Contingency, reviewed by Engineering Committee					51	\$ -
24	Filanc	3541-000	Project Closeout Time Extension	4/14/2022	51	\$ -
Potential Change					9	\$ 100,000.00
PCO 019	Filanc	3541-000	CTP and RTP Connection Modifications	(blank)	9	\$ 80,000.00
PCO 025	Filanc	3541-000	Slope Repairs	(blank)		\$ 25,000.00
PCO 031	Filanc	3541-000	Revegetation Credit	(blank)		\$ (12,000.00)
PCO 035	Filanc	3541-000	Culvert Repair and Trash Removal	(blank)		\$ 7,000.00
Grand Total					105	\$ (55,862.93)

Project Financial Status

Project Committee	17
Project Name	Aeration Diffuser Replacements
Project Description	Replacing panel diffusers with disc diffusers in all six aeration basins. Includes replacement of drop pipes and air distribution piping inside the basins.

Data Last Updated

April 5, 2022



Cash Flow

Total Cash Collected	\$ 2,093,510.00
Total Project Expenses	\$ 480,560.10

Project Completion

Construction Schedule	
Construction Budget	26%

Construction Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
Filanc	16306	\$ 1,747,194.00	\$ -	\$ 1,747,194.00	\$ 460,607.20
Lee & Ro	16119	\$ 37,738.00	\$ -	\$ 37,738.00	\$ 11,671.71
			\$ -	\$ -	\$ -
		\$ 1,784,932.00	\$ -	\$ 1,784,932.00	\$ 472,278.91

**Value includes approved change orders and to be reviewed by Engineering Committee*

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3753-000	\$ 299,822.00	\$ -	\$ 299,822.00	0.0%
		\$ 299,822.00	\$ -	\$ 299,822.00	0.0%

Change Orders

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Amount</u>	<u>Days</u>
Potential Change					\$ 6,000.00	365
PCO 01	Filanc	3753-000	Corroded Grating Angle Replacement	3/30/2022	\$ 6,000.00	
PCO 02	Filanc	3753-000	Diffuser Delivery Time Delay	3/30/2022	\$ -	365
Grand Total					\$ 6,000.00	365

Agenda Item

6.L.

Board of Directors Meeting

Meeting Date: June 2, 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 Construction Projects Progress and Change Order Report (**May and June**) [Project Committees 2, 15 and 17]

Overview

Active Construction Project Updates:

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 two new change orders for PC 2 J.B. Latham Package B project totaling \$16,152.51.

Engineering Committee Actions Being Reported to the Project Committee 2 Board:

As authorized by the Project Committee 2 Board on March 10, 2022, the Engineering Committee authorized the General Manager to issue payments within contingency amounts for the following Package B Change Orders with Olsson Construction:

- Change Order 45 for \$10,762.85, including 0 additional day(s)
- Change Order 46 for \$5,389.66, including 0 additional day(s)

The total of the Change Orders is \$16,152.51, and the revised contract value is \$18,730,994.51.

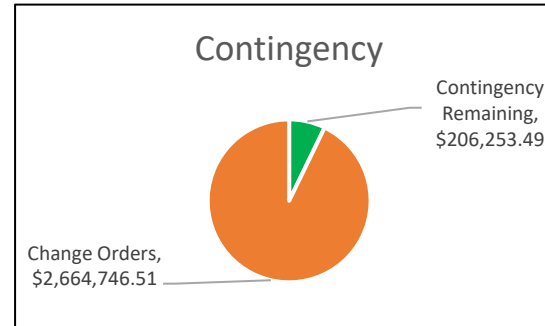
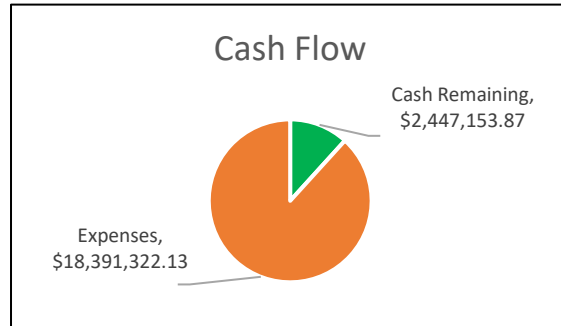
Recommended Action: Information Item, receive and file.

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

April 26, 2022



Cash Flow

Collected	\$ 20,838,476.00
Expenses	\$ 18,391,322.13

Project Completion

Schedule	91%
Budget	78%

Contracts

Company	PO No.	Original	Change Orders*	Total	Invoiced
Olsson	13497	\$ 17,325,000.00	\$ 1,405,994.51	\$ 18,730,994.51	\$ 14,471,142.21
Butier	13647	\$ 895,727.00	\$ 612,715.00	\$ 1,508,442.00	\$ 1,423,192.00
Carollo	13616	\$ 846,528.00	\$ 616,037.00	\$ 1,462,565.00	\$ 1,143,748.86
TetraTech	13605	\$ 94,000.00	\$ -	\$ 94,000.00	\$ 87,057.20
Ninyo & Moore	14279	\$ 49,399.00	\$ 30,000.00	\$ 79,399.00	\$ 42,227.27
ADS Environmental	16452	\$ 24,875.00	\$ -	\$ 24,875.00	\$ 24,875.00
Hallsten	16578	\$ 251,422.00	\$ -	\$ 251,422.00	\$ -
Dudek	17401	\$ 48,360.00	\$ -	\$ 48,360.00	\$ 18,600.00
		\$ 19,535,311.00	\$ 2,664,746.51	\$ 22,200,057.51	\$ 17,210,842.54

*Values include change orders to be reviewed by Engineering Committee

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 916,800.00	\$ 908,519.07	\$ 8,280.93	99.1%
Common	3231-000	\$ 96,800.00	\$ 83,680.00	\$ 13,120.00	86.4%
Solids	3287-000	\$ 1,857,400.00	\$ 1,672,547.44	\$ 184,852.56	90.0%
		\$ 2,871,000.00	\$ 2,664,746.51	\$ 206,253.49	92.8%

Summary of New Change Orders

Change Order No	CSJC	MNWD	SCWD	SMWD	\$ Amount
45	\$ 3,228.86	\$ 2,327.10	\$ 2,152.57	\$ 3,054.32	\$ 10,762.85
46	\$ 1,658.36	\$ 1,243.77	\$ 1,554.71	\$ 932.83	\$ 5,389.66

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
Approved by Board of Directors					191	\$ 2,648,594.00
1	Olsson	3287-000	Addition of Loop Piping to the Existing Hot Water Lines Adjacent to Digester 3	12/12/2019	0	\$ 4,725.00
2	Olsson	3287-000	Asbestos Gaskets in Boiler hazardous disposal	6/4/2020	0	\$ 6,343.10
3	Olsson	3287-000	Add Analog Infrastructure and Cabling	6/4/2020	11	\$ 37,969.60
4	Olsson	3287-000	Digester 4 Coating Additional Sealant	6/4/2020	3	\$ 24,001.54
5	Olsson	3220-000	Valve Handwheel Ergonomic extension	8/6/2020	28	\$ 16,370.30
6	Olsson	3287-000	Change to DeZurik Plug Valves to match existing	8/6/2020	90	\$ 41,993.87
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	8/6/2020	3	\$ 7,412.74
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	8/6/2020	0	\$ (1,829.00)

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	8/6/2020	0	\$ 18,677.63
10	Olsson	3287-000	Duct bank J Interferences	12/17/2020	18	\$ 73,639.42
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	12/17/2020	5	\$ 20,868.52
12	Olsson	3220-000	Duct bank K Interferences	12/17/2020	0	\$ 15,567.08
13	Olsson	3287-000	Digester 3/4 PLC Relocation	12/17/2020	14	\$ 41,367.51
14	Olsson	3287-000	Digester 4 Additional Tank Repair	12/17/2020	18	\$ 33,642.75
15	Olsson	3220-000	Duct bank O Interferences	12/17/2020	0	\$ 1,686.88
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	2/4/2021	0	\$ 42,780.00
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	5/6/2021	0	\$ 34,392.02
18	Olsson	3287-000	Integrator Additional Site Visits	5/6/2021	0	\$ 7,571.97
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	6/3/2021	0	\$ 29,417.20
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	6/3/2021	0	\$ 62,113.50

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	6/3/2021	0	\$ 42,922.67
22	Olsson	3220-000	Plant 1 Secondary Basins UV Rated Wear Strips	9/2/2021	0	\$ 28,965.33
23	Olsson	3287-000	MCC-F1 Design Change	9/2/2021		\$ 481,290.42
24	Olsson	3287-000	DAF 2 Investigation Work and Inspection Blast	10/7/2021		\$ 67,838.71
25	Olsson	3287-000	New Fiber Conduit in West Blower Building	10/7/2021		\$ 4,957.71
26	Olsson	3220-000	Plant 1 Primary Basin Conduit Obstruction	10/7/2021		\$ 8,444.20
27	Olsson	3220-000	Plant 1 Influent Channel Additional Coating between Primary Basins 5 and 6	10/7/2021		\$ 15,469.98
28	Olsson	3287-000	MCC-F1 Lighting Changes	10/7/2021		\$ 7,843.04
29	Olsson	3287-000	Digester 3 Ground Rod	10/14/2021		\$ 7,269.16
30	Olsson	3220-000	New Fiber Conduits at East Electrical and Storm Water Buildings	10/14/2021		\$ 8,045.43
31	Olsson	3220-000	Plant 2 Primary Influent Channel Repair Credit	12/9/2021		\$ (15,903.00)
32	Olsson	3220-000	Plant 1 and 2 Telescoping Valve Pipe Supports	12/9/2021		\$ 6,132.27

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
33	Olsson	3287-000	4" Gas Line Routing Modifications	12/9/2021		\$ 18,146.07
34	Olsson	3287-000	Gas Mixer Conduit Conflict	12/9/2021		\$ 12,383.89
35	Olsson	3220-000	P1 Primary Tanks 5 and 6 Temporary Power	3/10/2022		\$ 7,256.05
36	Olsson	3220-000	P1 Primary Tanks Skimmers Starter Modification	3/10/2022		\$ 45,374.13
37	Olsson	3220-000	P1 Primary Tanks Hopper Wall Coating	3/10/2022		\$ 34,505.41
38	Olsson	3220-000	P1 Effluent Channel Conduit Conflict	3/10/2022		\$ 9,274.98
39	Olsson	3220-000	P1 Primary Tanks Torque Limit Switch	3/10/2022		\$ 7,149.86
40	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	3/10/2022		\$ (2,309.09)
41	Olsson	3287-000	DAFT 2 Repair	3/10/2022		\$ 59,403.53
42	Olsson	3287-000	Digesters 1 and 2 Heat Exchanger Layout Reconfiguration Electrical	4/14/2022	1	\$ 12,885.18
43	Olsson	3287-000	Digester 3 Heat Exchanger Hot Water Loop Tie-In	4/14/2022		\$ 2,774.58
44	Olsson	3220-000	Plant 1 Primary Basin 1 Shutdown Repair Work	4/14/2022		\$ 1,009.86
1CM Common	Butier	3231-000	CM Change Order No. 1	7/13/2021		\$ 48,995.00
1CM Liquids	Butier	3220-000	CM Change Order No. 1	7/13/2021		\$ 294,125.00
1CM Solids	Butier	3287-000	CM Change Order No. 1	7/13/2021		\$ 269,595.00

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	6/3/2021		\$ 18,210.00
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	6/3/2021		\$ 109,256.00
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	6/3/2021		\$ 100,151.00
1G Common	Ninyo & Moore	3231-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 5,400.00
1G Liquids	Ninyo & Moore	3220-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
1G Solids	Ninyo & Moore	3287-000	Geotechnical Services Change Order No. 1	2/3/2022		\$ 12,300.00
2ESDC Common	Carollo	3231-000	ESDC Change Order No. 2	12/9/2021		\$ 11,075.00
2ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 2	12/9/2021		\$ 196,440.00
2ESDC Solids	Carollo	3287-000	ESDC Change Order No. 2	12/9/2021		\$ 180,905.00
Within Contingency, to be reviewed by Engineering Committee						\$ 16,152.51
45	Olsson	3287-000	Replace Compressor Line and Valve at Digester 4	Approval pending Engineering Committee meeting on 5/11/2022		\$ 10,762.85
46	Olsson	3220-000	Plant 2 Influent Gates Removal and Concrete Demo	Approval pending Engineering Committee meeting on 5/11/2022		\$ 5,389.66
Potential Change						\$ (1,023,345.00)
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.	(blank)		\$ (1,000.00)

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	(blank)		\$ 5,000.00
PCO 005	Olsson	3287-000	TWAS Slab Modifications	(blank)		\$ 50,000.00
PCO 009	Olsson	3287-000	PLC East Headworks Integration	(blank)		\$ 10,000.00
PCO 018	Olsson	3287-000	Duct bank L Interferences	(blank)		\$ 10,000.00
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	(blank)		\$ 7,771.00
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	12/10/2020		\$ 10,000.00
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	8/13/2020		\$ 5,000.00
PCO 050	Olsson	3220-000	Telescoping Valves Rework	12/23/2020		\$ 27,884.00
PCO 066	Olsson	3287-000	DAFT 1 Repair	(blank)		\$ 60,000.00
PCO 083	Olsson	3220-000	Plant 1 Primary Basins Additional Repairs and Replacement	(blank)		\$ 126,000.00
PCO 088	Olsson	3220-000	Plant 1 Primary Existing Coating Removal	(blank)		\$ 36,000.00
PCO 092	Olsson	3287-000	Hot Water System Expansion Tank	8/31/2021		\$ 5,000.00
PCO 093	Olsson	3287-000	DAFT Light Change	8/31/2021		\$ 10,000.00
PCO 094	Olsson	3287-000	Additional Red Coloring Agent to Concrete	9/1/2021		\$ 5,000.00
PCO 095	Olsson	3287-000	Foul Air Rerouting at DAFT 2	9/2/2021		\$ 5,000.00

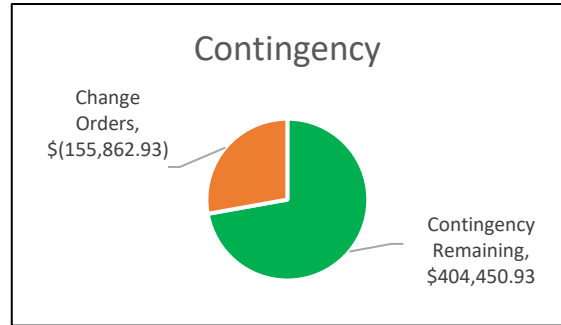
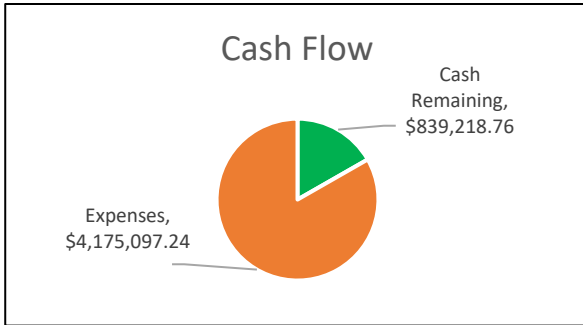
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 097	Olsson	3287-000	Digester Hot Water Temperature Gauge Setting	9/15/2021		\$ 5,000.00
PCO 998	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	(blank)		\$ (800,000.00)
PCO 999	Olsson	3223-000	Energy Building Modifications Descope (F1-F4, G1-G2, & H1-H2)	(blank)		\$ (600,000.00)
Grand Total					191	\$ 1,641,401.51

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

April 26, 2022



Cash Flow

Collected	\$ 5,014,316.00
Expenses	\$ 4,175,097.24

Project Completion

Schedule	100%
Budget	92%

Contracts

Company	PO No.	Original	Change Orders*	Total	Invoiced
Filanc	15949	\$ 3,107,346.00	\$ (155,862.93)	\$ 2,951,483.07	\$ 2,804,182.94
Butier	16164	\$ 226,100.00	\$ -	\$ 226,100.00	\$ 210,342.50
PSOMAS	15961	\$ 277,368.00	\$ -	\$ 277,368.00	\$ 183,712.62
Dudek	15947	\$ 387,750.00	\$ 25,000.00	\$ 412,750.00	\$ 367,022.00
Ninyo & Moore	16268	\$ 65,790.00	\$ 43,166.00	\$ 108,956.00	\$ 108,950.75
		\$ 4,064,354.00	\$ (87,696.93)	\$ 3,976,657.07	\$ 3,674,210.81

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

Filanc Contingency

Area	Project Code	Amount	Change Orders*	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588.00	\$ (155,862.93)	\$ 404,450.93	-62.7%
		\$ 248,588.00	\$ (155,862.93)	\$ 404,450.93	-62.7%

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

Change Orders

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
Approved by Board of Directors					45	\$ (155,862.93)
1	Filanc	3541-000	Alternative Fiber Optic Conduit Installation at Jack and Bore	6/3/2021	0	\$ 5,689.53
2	Filanc	3541-000	HDPE Pipe Price Adjustment	9/2/2021	0	\$ 15,615.19
3	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	9/2/2021	0	\$ 6,666.27
4	Filanc	3541-000	18-Inch VCP Sewer Line Conflicts	9/2/2021	0	\$ 2,367.81
5	Filanc	3541-000	Lost Production with Equipment Movement	2/3/2022	2	\$ 19,000.00
6	Filanc	3541-000	Abandoned 4" PVC Water Line Interference	2/3/2022	1	\$ 4,833.91
7	Filanc	3541-000	18-Inch VCP Sewer Line Conflict at Sta. 96+55	2/3/2022	1	\$ 6,198.46
8	Filanc	3541-000	Encasement at Sta. 88+90 to 89+90	2/3/2022	0	\$ 3,515.83
9	Filanc	3541-000	Concrete Demo and Potholing	2/3/2022	1	\$ 3,525.37
10	Filanc	3541-000	Abandoned 12" PVC Interference	2/3/2022	1	\$ 5,461.87

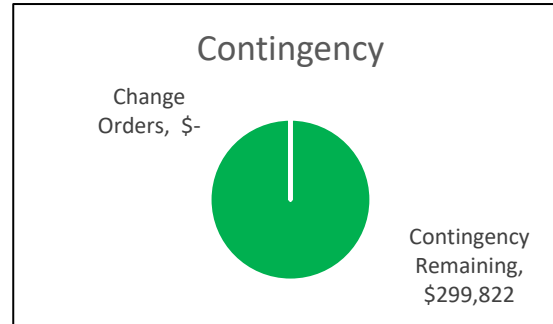
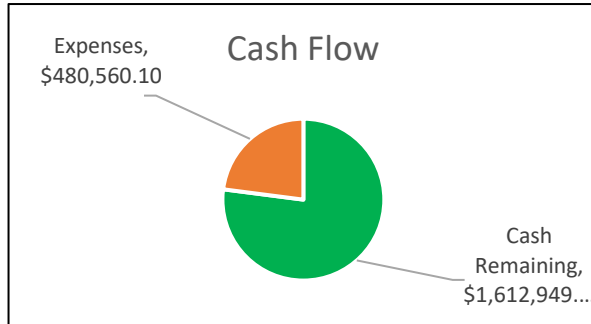
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
11	Filanc	3541-000	ACWHEP Unknown Buried Concrete	2/3/2022	3	\$ 27,903.24
12	Filanc	3541-000	Old Sludge Force Main Emergency Repair	4/7/2022	5	\$ -
13	Filanc	3541-000	Jack and Bore Conflict	4/7/2022	4	\$ 100,587.08
14	Filanc	3541-000	Nesting Bird Restrictions	4/7/2022	5	\$ -
15	Filanc	3541-000	COVID Time Impacts	4/7/2022	5	\$ -
16	Filanc	3541-000	Piping Interference at RTP Connection	4/7/2022	3	\$ 11,449.65
17	Filanc	3541-000	Additional Field Survey	4/7/2022	0	\$ 4,569.59
18	Filanc	3541-000	Concrete Removal	4/7/2022	2	\$ 14,909.28
19	Filanc	3541-000	Removing Chlorine Lines at RTP	4/7/2022	0	\$ 1,588.58
20	Filanc	3541-000	Sign Revisions	4/7/2022	0	\$ 1,332.33
21	Filanc	3541-000	Weather Delay	4/7/2022	11	\$ -
22	Filanc	3541-000	Additional Moisture Conditioning	4/7/2022	1	\$ 7,817.39
23	Filanc	3541-000	Credit for Unused Bid Items	4/7/2022	0	\$ (398,894.31)
Within Contingency, reviewed by Engineering Committee					51	\$ -
24	Filanc	3541-000	Project Closeout Time Extension	4/14/2022	51	\$ -
Potential Change					9	\$ 94,953.64

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
PCO 019	Filanc	3541-000	CTP and RTP Connection Modifications	(blank)	9	\$ 80,000.00
PCO 025	Filanc	3541-000	Slope Repairs	(blank)		\$ 25,000.00
PCO 031	Filanc	3541-000	Revegetation Credit	(blank)		\$ (12,000.00)
PCO 035	Filanc	3541-000	Culvert Repair and Trash Removal	(blank)		\$ 7,000.00
PCO 036	Filanc	3541-000	Credit for Optional Bid Item	(blank)	0	\$ (5,046.36)
Grand Total					105	\$ (60,909.29)

Project Financial Status

Project Committee	17
Project Name	Aeration Diffuser Replacements
Project Description	Replacing panel diffusers with disc diffusers in all six aeration basins. Includes replacement of drop pipes and air distribution piping inside the basins.

Data Last Updated
April 26, 2022



Cash Flow

Total Cash Collected	\$ 2,093,510.00
Total Project Expenses	\$ 480,560.10

Project Completion

Schedule	
Budget	26%

Construction Contracts

Company	PO No.	Original	Change Orders	Total	Invoiced
Filanc	16306	\$ 1,747,194.00	\$ -	\$ 1,747,194.00	\$ 460,607.20
Lee & Ro	16119	\$ 37,738.00	\$ -	\$ 37,738.00	\$ 11,671.71
		\$ -	\$ -	\$ -	\$ -
		\$ 1,784,932.00	\$ -	\$ 1,784,932.00	\$ 472,278.91

**Value includes approved change orders and to be reviewed by Engineering Committee*

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3753-000	\$ 299,822.00	\$ -	\$ 299,822.00	0.0%
		\$ 299,822.00	\$ -	\$ 299,822.00	0.0%

Change Orders

<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Amount</u>	<u>Days</u>
Potential Change					\$ 6,000.00	365
PCO 01	Filanc	3753-000	Corroded Grating Angle Replacement	3/30/2022	\$ 6,000.00	
PCO 02	Filanc	3753-000	Diffuser Delivery Time Delay	3/30/2022	\$ -	365
Grand Total					\$ 6,000.00	365

Agenda Item

6.M.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations
Roni Young Grant, Associate Engineer

SUBJECT: Hazen & Sawyer Design Services Contract for JBL Electrical System Study and Design Project [Project Committee 2]

Summary

The following report was provided to the Engineering Committee for recommendation to the PC 2 Board of Directors consideration of approval.

During the detailed design process for the replacement of MCC-M and MCC-G, several new and related issues were found and determined necessary for inclusion in the ongoing design effort, which includes:

- The need to replace the failing Plant 1 Generator and the electrical system connecting the generator to Plant 1.
- The need for generator connectors to temporarily power Building 12 in an emergency. Building 12 powers Plant 1 and JBL's Stormwater Pumping Station.
- The need to update the overall Project Engineer's Estimate for the new elements and to account for elevated inflation.

The Amendment includes additional drawings, specification sections, and fieldwork. The amended contract will extend until the end of August 2022. Hazen has submitted the attached JBL Electrical System Evaluation Addition Design Services Proposal with a fee of \$19,980 for consideration. Table 1 shows the project allocation. Table 2 shows the allocation by member agency.

Table 1 – Project Allocation

Project	Original Contract	Change Order No. 1	Change Order No. 2	Total
PC 2, Task 3221-000, Electrical System Evaluation	\$199,546	\$24,390	\$19,980	\$243,916

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Table 2 – Allocation by Member Agency

Member Agency	PC2, Task 3221-000
City of San Juan Capistrano	\$6,070.92
Moulton Niguel Water District	\$4,465.33
South Coast Water District	\$4,879.72
Santa Margarita Water District	\$4,564.03
Total	\$19,980.00

Recommended Action: The Engineering Committee recommends that the PC 2 Board approve Amendment No.2 to Hazen and Sawyer Services Contract in the amount of \$19,980 for a total revised contract amount of \$243,916 for the design services for the J.B. Latham Electrical System Study and Design Project.

/attachment

March 04, 2022

Ms. Roni Young, P.E.
Associate Engineer
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Re: J.B. Latham Treatment Plant Electrical System Evaluation (SOCWA PO 14331) – Additional Design Services Proposal No. 2

Dear Ms. Roni Young:

During the detailed design process for the replacement of MCC-M as part of the J.B. Latham Treatment Plant Electrical System Evaluation (SOCWA PO 14331), South Orange County Wastewater Authority (SOCWA) requested changes to the original project scope. The following list summarizes project scope changes requiring additional design services:

- Replacement of the existing Plant No. 1 Generator. The generator will be replaced in the same location (adjacent to the Plant No. 1 Blower Building) and connected to the electrical distribution at the same point (to the EMCC-B ATS). Generator size will be evaluated and increased to prevent nuisance tripping when starting loads under generator power, to the extent it will integrate into the existing electrical distribution system.
- New conductors will be installed in exiting conduit between the new Plant No. 1 Generator and EMCC-B ATS, to the extent possible.
- The existing conduit and conductors downstream of ECC-B will be remain as existing.
- Install new temporary generator connection on SWGR MAR-East.
- A site visit will be conducted to evaluate existing site conditions and available space for new generator.
- An additional construction cost estimate will be generated to show the updated project cost with this work included.

Following is our proposed fee and schedule of hourly rates organized by task for the additional design services associated with the project scope changes.

TASK	Hourly Rate =	SA	SPE	AE	Total Hours	Labor
		\$230	\$180	\$130		
Task 200 - Motor Control Center 'M' Final Design						
Drawings & Specifications - Additional Project Scope		10	48	64	122	\$ 19,260
Site Visit			4		4	\$ 720
	Total	10	52	64	126	\$ 19,980
Hazen and Sawyer Labor Classifications				Labor Total		\$ 19,980
SA- Senior Associate				Other Direct Costs		\$ -
SPE - Senior Principal Engineer/Cost Estimator				Total (Labor + ODCs)		\$ 19,980
AE - Assistant Engineer						
CAD - CAD Designer						

The project scope changes will also impact the design schedule and following are updated milestones for the remainder of the design. Only one submittal remains in the previous additional task design scope, Bid Set submittal. Hazen proposes to include one additional submittal, 100% Revision 2, which is reflected in the revised schedule. The additional submittal will allow SOCWA to review the additional scope items as part of the 100% Rev2 submittal review process and allow Hazen to incorporate any review comments into the Bid Set.

Task/Milestone	Dates:
Site Visit	Late March
100% Revision 2 - Review Submittal	Early May
Bid Set Submittal	Late June

Should you have any questions, please contact me at (949) 343-9728 or via e-mail at cthunhorst@hazenandsawyer.com.

Very truly yours,



Christopher Thunhorst, PE
Project Manager

Enclosure

Agenda Item

6.N.

Board of Directors Meeting

Meeting Date: June 2, 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: Regional Treatment Plant Consequence of Failure Analysis, Dudek Engineering in the amount not to exceed \$58,970.00
[Project Committee 17]

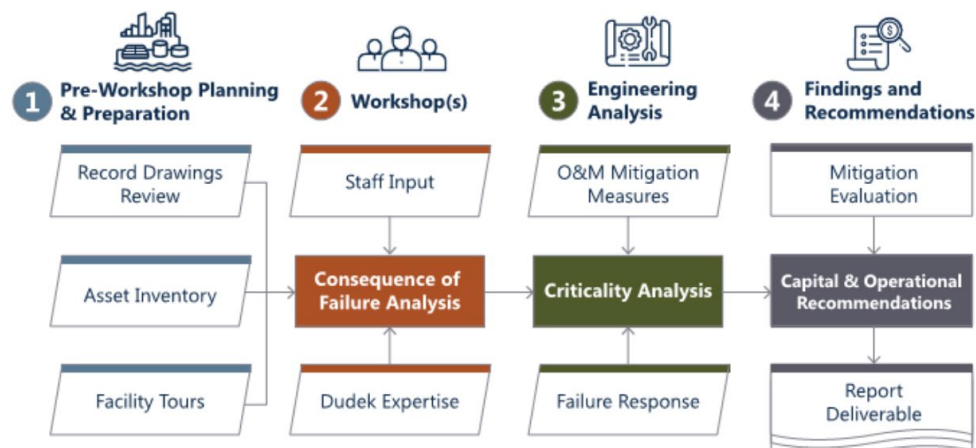
Overview

The Engineering Committee and SOCWA Staff are requesting approval of a contract with Dudek to conduct a Consequence of Failure Analysis (CoFA) for the Regional Treatment Plant for a fee not to exceed \$58,970.00.

Background

SOCWA worked with Dudek to develop a CoFA process that uses a scoring system to identify the consequence of a failure, the probability of that failure, and a risk designation for each item analyzed.

Figure 1 – Consequence of Failure Analysis Flow Chart



Dudek assisted SOCWA with a CoFA for the J.B. Latham Treatment Plant in 2021. This pilot effort was completed and presented to the SOCWA Engineering Committee and Board. Based on the project's success, SOCWA staff budgeted similar assessments for CTP and RTP.

The CoFA by Dudek for CTP is nearly complete. The next step is to perform a CoFA for the Regional Treatment Plant. The intent is to use the results to update the Ten-Year Plan once all three plants are completed.

Financial Status

The J.B. Latham CoFA was completed for a fee of \$49,510.00. The Coastal Treatment Plant CoFA is underway for a fee of \$49,970.00. The proposed cost to complete the CoFA for the Regional Treatment Plant is \$58,970.00. The total for completing all three plants is \$158,450.00.

Table 1 shows the cost allocation by member agency for the CoFA for the Regional Treatment Plant.

Table 1 – Cost allocation by member agency

Agency	Dudek Amendment
	47224C-000
CLB	\$ 3,697.42
EBSD	\$ 194.60
ETWD	\$ 6,050.32
MNWD	\$ 46,072.75
SCWD	\$ 2,954.91
Total	\$ 58,970.00

The work will be completed in the Fiscal Year 2022-2023.

Recommended Action: The Engineering Committee recommends to the PC-17 Board to authorize the General Manager to execute a contract with Dudek Engineering for the Regional Treatment Plant Consequence of Failure Analysis (47224C-000) for a fee not to exceed \$58,970.00.

Agenda Item

6.0.

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: National Energy Solutions SGIP Grant Administration Contract for \$16,800.00 [Project Committees 2 and 17]

Summary

SOCWA uses National Energy Solutions (NES) for Self-Generation Incentive Program (SGIP) grant data reporting and administration. This Contract is for Year 4 and Year 5 of the SGIP grant period totaling \$16,800. This includes \$8,400 for PC2 (solids) and PC17 (solids), respectively.

Discussion/Analysis

These SGIP grant data reporting and administration services are required by the SGIP Grant Program to receive the remaining two (2) years of eligible grant funding of up to \$383,000.

SOCWA's Engineering staff requested proposals from qualified SGIP grant administrators in 2017. Only two (2) of the five (5) qualified firms responded to SOCWA Request for Proposals (RFP). NES was selected from the two firms as being the best value to SOCWA.

The previous three (3) years of SGIP grant data reporting and administration were contracted by annual Purchase Orders. This request is to place the remaining two (2) under contract for \$16,800 (\$8,400 for JBL PC2 (solids) and \$8,400 RTP PC17 (solids)).

Prior Related Project Committee or Board Action(s)

This item will be presented to the Engineering Committee on May 11, 2022. SOCWA staff will report any action(s) by the Engineering Committee at the May 12, 2022 Board Meeting.

Fiscal impact

The total value of the five (5) years of services for the SGIP grant data reporting and administration with this award will be \$45,600.

SOCWA staff is requesting that the Board of Directors authorize the General Manager to retain the services of NES for the remaining two (2) years of the SGIP grant data reporting and administration in the amount of \$16,800.

An offset to these expenses will be the up to \$383,000 in SGIP grant funding to be received. The balance of the SGIP grant funding will continue to be returned to the participating member agencies of JBL PC2 (solids) and RTP PC17 (solids).

Recommended Action: Staff recommends that the Board of Directors authorize the General Manager to acquire the services of National Energy Solutions (NES) for SGIP grant data reporting and administration totaling \$16,800. This includes \$8,400 for JBL PC 2 (solids) and \$8,400 for RTP PC 17 (solids).

Agenda Item

6.P.

Budgeted:

Budget amount:

Line Item:

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Sean Peacher, Environmental Compliance Safety Risk Manager

SUBJECT: CSRMA Risk Control Survey 2021

Summary

Every three years, the Executive Board of SOCWA's Insurance Provider, CSRMA, requests CSRMA Members to complete and update the CSRMA Risk Control Survey. The Survey is designed to assist CSRMA Member Agencies with identifying areas where agencies may be at increased risk for Cal OSHA compliance, worker injury, liability, property loss, and/or other areas of regulatory compliance. CSRMA provides the survey as a means of helping members avoid claims and other losses.

The Survey, which covers 60 areas of risk, was completed by SOCWA's Environmental Compliance Safety Risk Manager, Sean Peacher, with feedback received from various SOCWA departments for the survey questions pertaining to Insurance Requirements and Contracts, Human Resources, IT, Operations, Maintenance, etc. SOCWA's results of the 2021 CSRMA Risk Control Survey were submitted to CSRMA on January 7, 2022, after internal review of the findings and recommendations with SOCWA Management. SOCWA's results of the 2021 CSRMA Risk Control Survey (2021 Survey) were reviewed with CSRMA on March 1, 2022, during a (virtual) meeting held between CSRMA Risk Control Advisor David Patzer and Sean Peacher, SOCWA Environmental Compliance Safety Risk Manager.

SOCWA's overall score for the 2021 Survey is 96%, compared to the overall average score of 77% for all CSRMA Member Agencies. "Yes" answers indicate the questions where the agency adequately addresses compliance requirements / recommendations. "No" answers indicate questions where the agency does not adequately address compliance requirements / recommendations. "N/A" answers indicate the questions do not apply to the agency.

Please see the attached Risk Control Audit Scorecard which details SOCWA's results from the 2021 Survey.

Below is a breakdown of SOCWA's results of the 2021 Survey:

- A total of 68 topics covered in the 2021 Survey
- A total of 468 survey questions in the 2021 Survey
- SOCWA scored 100% in 47 of the 58 topics relevant to SOCWA in the 2021 Survey
- SOCWA scored at or above the CSRMA Member Average on 56 of 58 total topics

- The four areas that SOCWA did not score 100% on the Survey include:
 - Accident Prevention: Human Error (SOCWA = 67% , CSRMA Agencies = 67%)
 - Personal Protective Equipment (SOCWA = 50%, CSRMA Agencies = 71%)
 - Safety Culture (SOCWA = 75%, CSRMA Agencies = 37%)
 - Security (SOCWA = 89%, CSRMA Agencies = 70%)
 - Wastewater Treatment Plant Contingency Plan (SOCWA = 0%, CSRMA Agencies = 44%)

The following actions are being taken in the next year by SOCWA in order to address and improve:

- Accident Prevention: Human Error – Developing and adopting a “Just Culture” Policy (where individuals are not blamed for “honest errors” but are held accountable for willful violations and gross negligence); Develop guidelines for disciplinary actions for human error versus at risk behavior/deliberate violations; Provide training to all employees on human error, causes and prevention strategies
- Personal Protective Equipment (PPE) – Identify all tasks that may require use of PPE and perform a written Job Hazard Analysis (JHA); Each Written PPE JHA is to be signed by an authorized agency representative
- Safety Culture – Complete internal discussion/review with SOCWA Employees of the results of the recently provided Safety Culture Survey provided to SOCWA Employees
- Security – Creation of Cyber Breach Incident Plan. SOCWA IT Department is in progress with preparation of a Disaster Recovery and Business Continuity Plan and subsumed within that plan will be the elements of Cyber Breach Incident Response utilizing developed protocols already in place.
- Wastewater Treatment Plant Contingency Plan – Creation of a Wastewater Contingency Plan (SOCWA currently has SWPPPs, Vulnerability Studies, SPCCPs, SOPs for odor and noise, Emergency Response Plans, Disaster Contingency Plans, and additional CUPA required documents in place to address environmental hazards) – For this effort staff will be combining relevant existing information into a Contingency Plan; this is currently applicable to water agencies and may be required of wastewater agencies in the future

The feedback that SOCWA received from CSRMA Risk Control Advisor David Patzer included the following, “First off, congratulations on the results of the CSRMA Risk Control Survey – as the attached benchmarking report illustrates, SOCWA is outperforming most CSRMA members in its risk control efforts on many fronts – no small feat and shows participation at all levels of the organization in managing risk.”

CSRMA recommended that each agency that participated in the survey share the attached report with their Board, as it is a useful tool to help inform the Board of some of the risks the staff of the agency manages. In SOCWA's case, CSRMA encouraged SOCWA to share the survey results. Upon sharing these results with the SOCWA Board, SOCWA will submit the Status Report Certification and Worksheet for the CSRMA Risk Control Survey as requested by CSRMA.

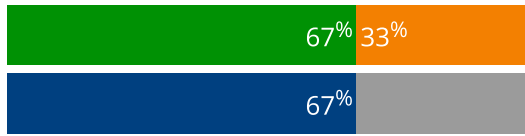
Recommended Action: Information Item; Receive and File

Attachment – 2021 CSRMA Risk Control Audit Scorecard for South Orange County Wastewater Authority

South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Accident Prevention: Human Error



Asset Mapping



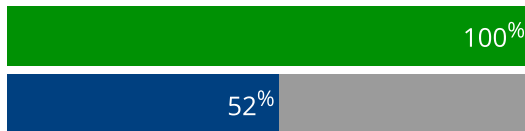
Biomechanics/Ergonomics



Bloodborne Pathogens



Business Continuity Plan



CalOSHA Record Keeping (300 Logs)



Certifications and Permits



Chemical Hygiene Plan



Confined Space



Contractor Safety/Multi-Employer



■ YES Areas where compliance requirements and recommendations are ADEQUATELY addressed.	■ NO Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.	■ NOT ANSWERED Questions where a response was not provided.	■ POOL Average "Yes" score of all member agencies in the pool.
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South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Core Competencies



COVID-19



Defensive Driving



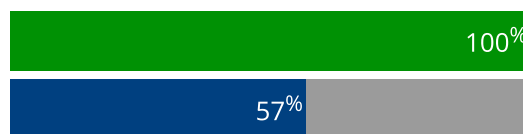
Earth Moving Equipment



Emergency Action Plan (EAP)



Employee Training and Knowledge Transfer



Employment Practices



Excavation work



Fall Protection



Fire Prevention Plan



YES

Areas where compliance requirements and recommendations are ADEQUATELY addressed.



NO

Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.



NOT ANSWERED

Questions where a response was not provided.



POOL

Average "Yes" score of all member agencies in the pool.

South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Forklift (Industrial Truck)



Hazard Communication



HazWOPER



Health Promotion



Hearing Conservation



Heat Illness



Incident Reporting



Injury Illness Prevention Program (IIPP)



Insurance Requirements and Contracts



Job Descriptions



■ YES Areas where compliance requirements and recommendations are ADEQUATELY addressed.	■ NO Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.	■ NOT ANSWERED Questions where a response was not provided.	■ POOL Average "Yes" score of all member agencies in the pool.
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South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Labor Law Posting Requirements



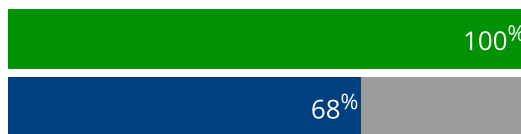
Lockout/Tagout (LOTO)



Medical Provider Network (CSRMA)



Mobile Crane/Crane/Hoist Operator Training, Qualifications and Certification



Mobile Cranes, Overhead and Gantry Cranes, Overhead Hoists



Mobile Equipment



New Employee Orientation and Training



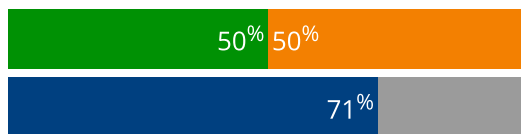
NFPA 70E – Electrical Safety



No Harassment/Discrimination



Personal Protective Equipment (PPE)

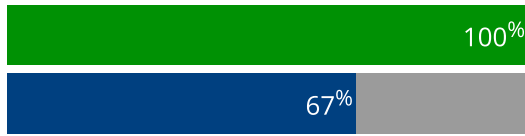


<p>YES</p> <p>Areas where compliance requirements and recommendations are ADEQUATELY addressed.</p>	<p>NO</p> <p>Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.</p>	<p>NOT ANSWERED</p> <p>Questions where a response was not provided.</p>	<p>POOL</p> <p>Average "Yes" score of all member agencies in the pool.</p>
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South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

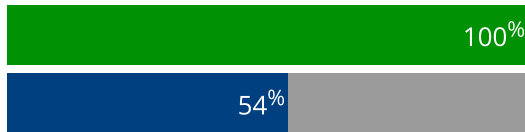
Pre-Employment Functional Capacity



Pretreatment/Industrial Waste



Public Tours



Pumping Facility Assets



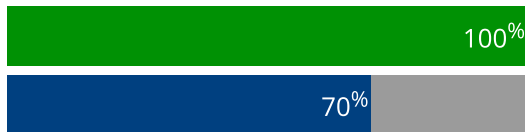
Respiratory Protection



Rights and Responsibilities Training



Risk Control Audits



Safety Culture



Security



Sewer - Collections Staffing And Training

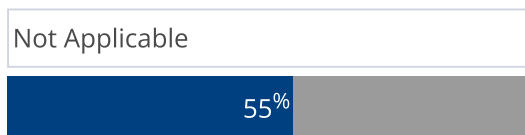


■ YES Areas where compliance requirements and recommendations are ADEQUATELY addressed.	■ NO Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.	■ NOT ANSWERED Questions where a response was not provided.	■ POOL Average "Yes" score of all member agencies in the pool.
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South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Sewer - Force Main Assets



Sewer - Inspections, Operations and Management Activities



Sewer - Local Sewer Use Ordinance



Sewer - SSO Emergency Response Program



Sewer - SSO Prevention And Mitigation



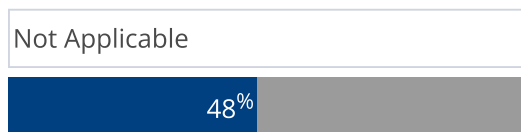
Silica



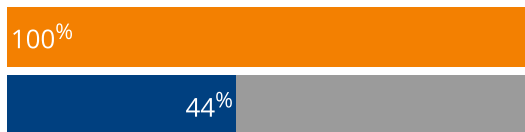
Traffic Control



Transite (Asbestos) Pipe



Wastewater Treatment Plant Contingency Plan



Wildfire Smoke Policy



■ YES Areas where compliance requirements and recommendations are ADEQUATELY addressed.	■ NO Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.	■ NOT ANSWERED Questions where a response was not provided.	■ POOL Average "Yes" score of all member agencies in the pool.
--	--	---	--

South Orange County Wastewater Authority

The charts below show how your agency's responses to the CSRMA Risk Control Audit questions compare to all CSRMA agencies.

Workers' Compensation Claims Management



Workplace Violence



YES

Areas where compliance requirements and recommendations are ADEQUATELY addressed.



NO

Areas where compliance requirements and recommendations are NOT ADEQUATELY addressed.



NOT ANSWERED

Questions where a response was not provided.



POOL

Average "Yes" score of all member agencies in the pool.

RESOLUTION NO. 2022-02

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
APPROVING EMPLOYEE SALARY RANGE SUMMARY AND EMPLOYEE JOB
CLASSIFICATION SALARY SCHEDULE TO THE JULY 1, 2020 TO JUNE 30, 2023
MEMORANDUM OF UNDERSTANDING BETWEEN THE SOUTH ORANGE COUNTY
WASTEWATER AUTHORITY AND THE SOCWA EMPLOYEE ASSOCIATION**

WHEREAS, the employees represented by the South Orange County Wastewater Authority Employee Association (SEA) are a viable and important part of the SOCWA organization, and

WHEREAS, the SEA has met and conferred in good faith with the designated Authority representatives on salary adjustments commencing on July 1, 2022; and

WHEREAS, as a result of the meet and confer Exhibit "A" Salary Range Summary and Exhibit "B" Job Classification Salary Schedule to the Memorandum of Understanding (MOU) between SOCWA and the SEA have been presented to the Board for its approval.

NOW, THEREFORE, the Board of Directors of the South Orange County Wastewater Authority does hereby RESOLVE, DETERMINE AND ORDER as follows:

- Section 1. The General Manager or the Chairperson of the Board of Directors are authorized to execute Exhibit "A" and "B" on behalf of the Authority.
- Section 2. Salary adjustments will be made according to the Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association, Section IV Compensation.C2. Salary adjustment equal to Los Angeles-Long Beach-Anaheim CPI-U percentage change for the preceding 12 months ended in March, subject to a 2% minimum and 4% maximum. 7/1/2022 – 4% Salary Adjustment.
- Section 2. The Secretary of SOCWA shall certify the adoption of Resolution No. 2022-02 and shall maintain a certified copy thereof at the principal office of SOCWA.

ADOPTED, SIGNED AND APPROVED this 2nd day of June 2022.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

Matt Collings, Chairman

Betty Burnett, General Manager and Board Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, BETTY BURNETT, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (“SOCWA”), do hereby certify that the foregoing is a full, true and correct copy of **Resolution No. 2022-02** of said Board and that the same has not been amended or repealed.

Dated this 2nd day of June 2022.

Betty Burnett, Board Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

EXHIBIT "A"

SOCWA
EMPLOYEE HANDBOOK SALARY RANGE SUMMARY
07/01/2022 - 06/30/2023

July 1, 2022	COLA @ 4%		1.040	
Ranges	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary
33.0	27.86	35.56	\$4,829.07	\$6,163.73
33.5	28.56	36.42	\$4,950.40	\$6,312.80
34.0	29.24	37.36	\$5,068.27	\$6,475.73
34.5	29.97	38.29	\$5,194.80	\$6,636.93
35.0	30.72	39.20	\$5,324.80	\$6,794.67
35.5	31.48	40.18	\$5,456.53	\$6,964.53
36.0	32.24	41.16	\$5,588.27	\$7,134.40
36.5	33.05	42.17	\$5,728.67	\$7,309.47
37.0	33.84	43.21	\$5,865.60	\$7,489.73
37.5	34.70	44.04	\$6,014.67	\$7,633.60
38.0	35.56	45.39	\$6,163.73	\$7,867.60
38.5	36.42	46.52	\$6,312.80	\$8,063.47
39.0	37.36	47.66	\$6,475.73	\$8,261.07
39.5	38.29	48.87	\$6,636.93	\$8,470.80
40.0	39.20	49.99	\$6,794.67	\$8,664.93
40.5	40.18	51.28	\$6,964.53	\$8,888.53
41.0	41.16	52.53	\$7,134.40	\$9,105.20
41.5	42.17	53.84	\$7,309.47	\$9,332.27
42.0	43.21	55.17	\$7,489.73	\$9,562.80
42.5	44.30	56.53	\$7,678.67	\$9,798.53
43.0	45.39	57.92	\$7,867.60	\$10,039.47
43.5	46.52	59.36	\$8,063.47	\$10,289.07
44.0	47.66	60.81	\$8,261.07	\$10,540.40
44.5	48.88	62.34	\$8,472.53	\$10,805.60
45.0	49.99	63.86	\$8,664.93	\$11,069.07
45.5	51.28	65.44	\$8,888.53	\$11,342.93
46.0	52.53	67.05	\$9,105.20	\$11,622.00
46.5	53.84	68.73	\$9,332.27	\$11,913.20
47.0	55.17	70.43	\$9,562.80	\$12,207.87
47.5	56.53	72.14	\$9,798.53	\$12,504.27
48.0	57.92	73.93	\$10,039.47	\$12,814.53
48.5	59.36	75.76	\$10,289.07	\$13,131.73
49.0	60.81	77.63	\$10,540.40	\$13,455.87
49.5	62.34	79.57	\$10,805.60	\$13,792.13
50.0	63.86	81.50	\$11,069.07	\$14,126.67
50.5	65.44	83.55	\$11,342.93	\$14,482.00
51.0	67.05	85.56	\$11,622.00	\$14,830.40
51.5	68.72	87.70	\$11,911.47	\$15,201.33
52.0	70.43	89.86	\$12,207.87	\$15,575.73
52.5	72.14	92.09	\$12,504.27	\$15,962.27
53.0	73.91	94.34	\$12,811.07	\$16,352.27
53.5	75.80	96.71	\$13,138.67	\$16,763.07
54.0	77.62	99.07	\$13,454.13	\$17,172.13
54.5	79.56	101.51	\$13,790.40	\$17,595.07
55.0	81.50	104.01	\$14,126.67	\$18,028.40

EXHIBIT "B"

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE
7/1/2022 w/COLA of 4%**

SEA Represented Classifications / Non-Exempt						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Operator Grade III	43	\$ 45.39	\$ 57.92	\$ 7,867.60	\$ 10,039.47	
Operator Grade II	41	\$ 41.16	\$ 52.53	\$ 7,134.40	\$ 9,105.20	
Operator Grade I	37	\$ 33.84	\$ 43.21	\$ 5,865.60	\$ 7,489.73	
Operator in Training	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 44.30	\$ 56.53	\$ 7,678.67	\$ 9,798.53	
Truck Driver/Maintenance Mechanic II	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Maintenance Mechanic II	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Maintenance Mechanic I	36	\$ 32.24	\$ 41.16	\$ 5,588.27	\$ 7,134.40	
O&M Inventory/Purchasing Specialist	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 49.99	\$ 63.86	\$ 8,664.93	\$ 11,069.07	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 44.30	\$ 56.53	\$ 7,678.67	\$ 9,798.53	
Electrical/Instrumentation Technician	42	\$ 43.21	\$ 55.17	\$ 7,489.73	\$ 9,562.80	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 48.88	\$ 62.34	\$ 8,472.53	\$ 10,805.60	
Laboratory Technician III	43.5	\$ 46.52	\$ 59.36	\$ 8,063.47	\$ 10,289.07	
Laboratory Technician II	41	\$ 41.16	\$ 52.53	\$ 7,134.40	\$ 9,105.20	
Laboratory Technician I	39	\$ 37.36	\$ 47.66	\$ 6,475.73	\$ 8,261.07	
Laboratory Aide/Sampler	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	

Unrepresented Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Assistant Chief Operator	44	\$ 47.66	\$ 60.81	\$ 8,261.07	\$ 10,540.40	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 47.66	\$ 60.81	\$ 8,261.07	\$ 10,540.40	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 52.53	\$ 67.05	\$ 9,105.20	\$ 11,622.00	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 48.88	\$ 62.34	\$ 8,472.53	\$ 10,805.60	
Clerk of the Board	43	\$ 45.39	\$ 57.92	\$ 7,867.60	\$ 10,039.47	
Sr. Accountant	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Staff Accountant w/Payroll	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Accounts Payable Accountant w/PR Assistance	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	

Professional Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Chief Operator	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
Information Technology Systems Administrator	46	\$ 52.53	\$ 67.05	\$ 9,105.20	\$ 11,622.00	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 57.92	\$ 73.93	\$ 10,039.47	\$ 12,814.53	
Environmental Compliance Safety Risk Manager	45.5	\$ 51.28	\$ 65.44	\$ 8,888.53	\$ 11,342.93	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
Associate Engineer	47.5	\$ 56.53	\$ 72.14	\$ 9,798.53	\$ 12,504.27	
<i>Administration Division</i>						
Procurement/Contracts Manager	48	\$ 57.92	\$ 73.93	\$ 10,039.47	\$ 12,814.53	
Human Resource Administrator	47.5	\$ 56.53	\$ 72.14	\$ 9,798.53	\$ 12,504.27	

Management Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Executive Management Division</i>						
General Manager		Set by the Board by Contract				
Director of Operations	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Director of Engineering	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Director of Environmental Compliance	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Finance Controller	52	\$ 70.43	\$ 89.86	\$ 12,207.87	\$ 15,575.73	

RESOLUTION NO. 2022-03

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
APPROVING NEW EMPLOYEE SALARY RANGE SUMMARY AND EMPLOYEE JOB
CLASSIFICATION SALARY SCHEDULE TO THE SOCWA EMPLOYEE MANUAL**

WHEREAS, the employees of the South Orange County Wastewater Authority are a viable and important part of the SOCWA organization; and

WHEREAS, the SOCWA Board approved a resolution adopting the South Orange County Wastewater Authority Employee Manual ("Manual") on January 9, 2020. The Manual establishes salary adjustments on an annual basis and thereby requires the adjustment of Exhibit "A" Salary Schedule, Exhibit "B" Job Classification Salary Schedule and Exhibit "C" Organization Chart to the Manual for the purposes of maintaining a current salary schedule and job classification salary schedule; and

WHEREAS, the SOCWA now desires to approve a revised Exhibit "A", Exhibit "B" and Exhibit "C" to the Manual to memorialize the CPI-U percentage change for period July 1, 2022 to June 30, 2023 of 4%, the same being consistent with the terms of the Manual;

NOW, THEREFORE, the Board of Directors of the South Orange County Wastewater Authority does hereby **RESOLVE, DETERMINE AND ORDER** as follows:

Section 1.

The Manual provides that salary adjustments will be made according to Manual Section IV Compensation (C). Therefore, beginning July 1, 2022 for the period July 1, 2022 to June 30, 2023, the salary ranges in Exhibit "A" and salary schedules in Exhibit "B" have been increased 4% and Exhibit "C" Organization Chart has been updated.

Section 2.

The General Manager or the Chairperson of the Board of Directors are authorized to attach to the Manual for the period July 1, 2022 to June 30, 2023, the revised Exhibit "A", "B" and "C" attached hereto.

Section 3.

The Secretary of SOCWA shall certify the adoption of Resolution No. 2022-03 and shall maintain a certified copy thereof at the principal office of SOCWA.

ADOPTED, SIGNED AND APPROVED this 2nd day of June 2022.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

Matt Collings, Chairman

Betty Burnett, General Manager and Board Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, BETTY BURNETT, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (“SOCWA”), do hereby certify that the foregoing is a full, true and correct copy of **Resolution No. 2022-03** of said Board and that the same has not been amended or repealed.

Dated this **2nd** day of **June 2022**.

Betty Burnett, Board Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

EXHIBIT "A"

SOCWA
EMPLOYEE HANDBOOK SALARY RANGE SUMMARY
07/01/2022 - 06/30/2023

July 1, 2022	COLA @ 4%		1.040	
Ranges	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary
33.0	27.86	35.56	\$4,829.07	\$6,163.73
33.5	28.56	36.42	\$4,950.40	\$6,312.80
34.0	29.24	37.36	\$5,068.27	\$6,475.73
34.5	29.97	38.29	\$5,194.80	\$6,636.93
35.0	30.72	39.20	\$5,324.80	\$6,794.67
35.5	31.48	40.18	\$5,456.53	\$6,964.53
36.0	32.24	41.16	\$5,588.27	\$7,134.40
36.5	33.05	42.17	\$5,728.67	\$7,309.47
37.0	33.84	43.21	\$5,865.60	\$7,489.73
37.5	34.70	44.04	\$6,014.67	\$7,633.60
38.0	35.56	45.39	\$6,163.73	\$7,867.60
38.5	36.42	46.52	\$6,312.80	\$8,063.47
39.0	37.36	47.66	\$6,475.73	\$8,261.07
39.5	38.29	48.87	\$6,636.93	\$8,470.80
40.0	39.20	49.99	\$6,794.67	\$8,664.93
40.5	40.18	51.28	\$6,964.53	\$8,888.53
41.0	41.16	52.53	\$7,134.40	\$9,105.20
41.5	42.17	53.84	\$7,309.47	\$9,332.27
42.0	43.21	55.17	\$7,489.73	\$9,562.80
42.5	44.30	56.53	\$7,678.67	\$9,798.53
43.0	45.39	57.92	\$7,867.60	\$10,039.47
43.5	46.52	59.36	\$8,063.47	\$10,289.07
44.0	47.66	60.81	\$8,261.07	\$10,540.40
44.5	48.88	62.34	\$8,472.53	\$10,805.60
45.0	49.99	63.86	\$8,664.93	\$11,069.07
45.5	51.28	65.44	\$8,888.53	\$11,342.93
46.0	52.53	67.05	\$9,105.20	\$11,622.00
46.5	53.84	68.73	\$9,332.27	\$11,913.20
47.0	55.17	70.43	\$9,562.80	\$12,207.87
47.5	56.53	72.14	\$9,798.53	\$12,504.27
48.0	57.92	73.93	\$10,039.47	\$12,814.53
48.5	59.36	75.76	\$10,289.07	\$13,131.73
49.0	60.81	77.63	\$10,540.40	\$13,455.87
49.5	62.34	79.57	\$10,805.60	\$13,792.13
50.0	63.86	81.50	\$11,069.07	\$14,126.67
50.5	65.44	83.55	\$11,342.93	\$14,482.00
51.0	67.05	85.56	\$11,622.00	\$14,830.40
51.5	68.72	87.70	\$11,911.47	\$15,201.33
52.0	70.43	89.86	\$12,207.87	\$15,575.73
52.5	72.14	92.09	\$12,504.27	\$15,962.27
53.0	73.91	94.34	\$12,811.07	\$16,352.27
53.5	75.80	96.71	\$13,138.67	\$16,763.07
54.0	77.62	99.07	\$13,454.13	\$17,172.13
54.5	79.56	101.51	\$13,790.40	\$17,595.07
55.0	81.50	104.01	\$14,126.67	\$18,028.40

EXHIBIT "B"

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE
7/1/2022 w/COLA of 4%**

SEA Represented Classifications / Non-Exempt						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Operator Grade III	43	\$ 45.39	\$ 57.92	\$ 7,867.60	\$ 10,039.47	
Operator Grade II	41	\$ 41.16	\$ 52.53	\$ 7,134.40	\$ 9,105.20	
Operator Grade I	37	\$ 33.84	\$ 43.21	\$ 5,865.60	\$ 7,489.73	
Operator in Training	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 44.30	\$ 56.53	\$ 7,678.67	\$ 9,798.53	
Truck Driver/Maintenance Mechanic II	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Maintenance Mechanic II	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Maintenance Mechanic I	36	\$ 32.24	\$ 41.16	\$ 5,588.27	\$ 7,134.40	
O&M Inventory/Purchasing Specialist	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 49.99	\$ 63.86	\$ 8,664.93	\$ 11,069.07	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 44.30	\$ 56.53	\$ 7,678.67	\$ 9,798.53	
Electrical/Instrumentation Technician	42	\$ 43.21	\$ 55.17	\$ 7,489.73	\$ 9,562.80	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 48.88	\$ 62.34	\$ 8,472.53	\$ 10,805.60	
Laboratory Technician III	43.5	\$ 46.52	\$ 59.36	\$ 8,063.47	\$ 10,289.07	
Laboratory Technician II	41	\$ 41.16	\$ 52.53	\$ 7,134.40	\$ 9,105.20	
Laboratory Technician I	39	\$ 37.36	\$ 47.66	\$ 6,475.73	\$ 8,261.07	
Laboratory Aide/Sampler	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	

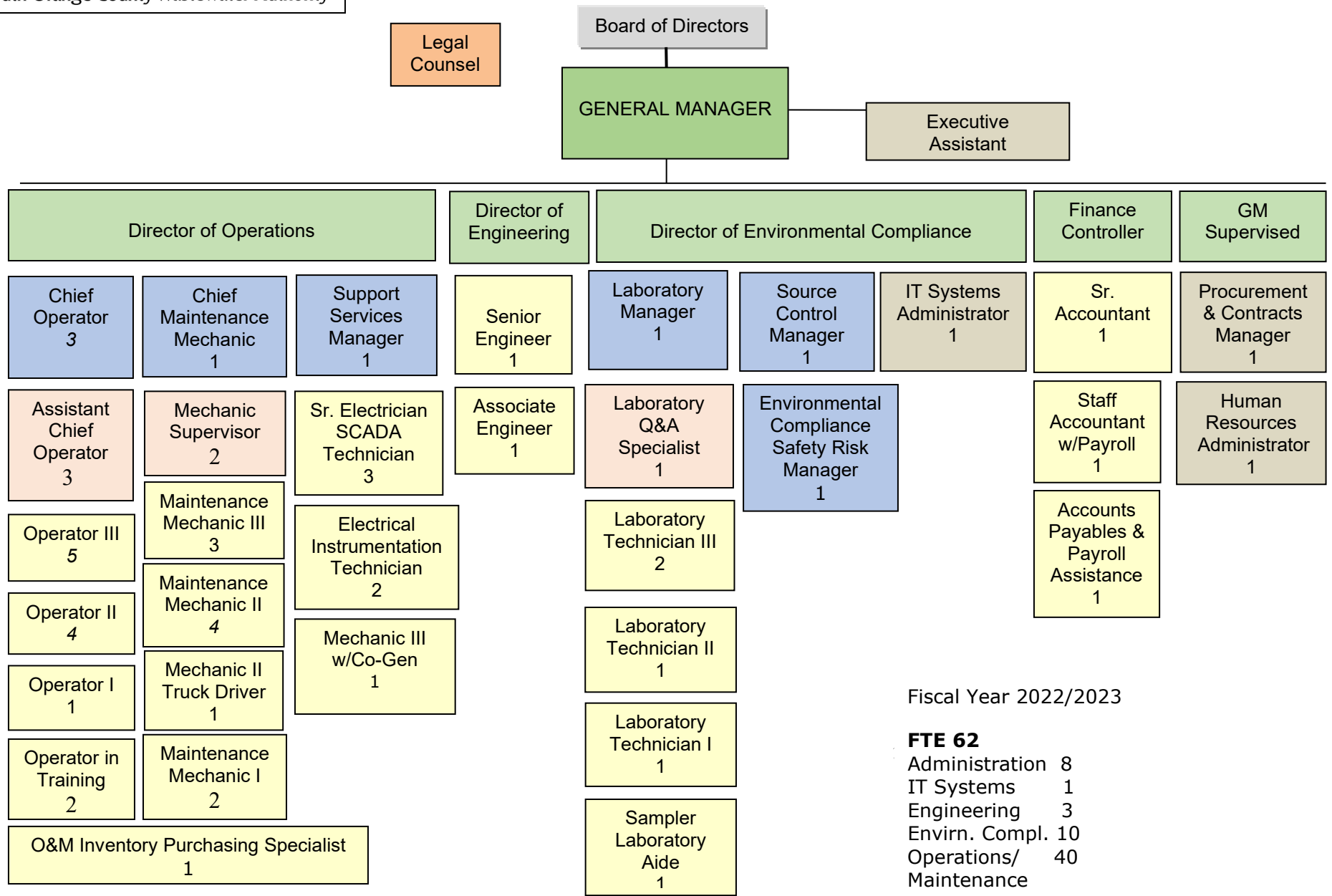
Unrepresented Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Assistant Chief Operator	44	\$ 47.66	\$ 60.81	\$ 8,261.07	\$ 10,540.40	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 47.66	\$ 60.81	\$ 8,261.07	\$ 10,540.40	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 52.53	\$ 67.05	\$ 9,105.20	\$ 11,622.00	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 48.88	\$ 62.34	\$ 8,472.53	\$ 10,805.60	
Clerk of the Board						
Sr. Accountant	43	\$ 45.39	\$ 57.92	\$ 7,867.60	\$ 10,039.47	
Staff Accountant w/Payroll	38	\$ 35.56	\$ 45.39	\$ 6,163.73	\$ 7,867.60	
Accounts Payable Accountant w/PR Assistance	35	\$ 30.72	\$ 39.20	\$ 5,324.80	\$ 6,794.67	

Professional Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Operations Division</i>						
Chief Operator	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
Information Technology Systems Administrator	46	\$ 52.53	\$ 67.05	\$ 9,105.20	\$ 11,622.00	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 57.92	\$ 73.93	\$ 10,039.47	\$ 12,814.53	
Environmental Compliance Safety Risk Manager	45.5	\$ 51.28	\$ 65.44	\$ 8,888.53	\$ 11,342.93	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 63.86	\$ 81.50	\$ 11,069.07	\$ 14,126.67	
Associate Engineer	47.5	\$ 56.53	\$ 72.14	\$ 9,798.53	\$ 12,504.27	
<i>Administration Division</i>						
Procurement/Contracts Manager	48	\$ 57.92	\$ 73.93	\$ 10,039.47	\$ 12,814.53	
Human Resource Administrator	47.5	\$ 56.53	\$ 72.14	\$ 9,798.53	\$ 12,504.27	

Management Classifications						
Classification	Salary	Minimum	Maximum	Minimum	Maximum	
	Range	Hourly Salary	Hourly Salary	Monthly Salary	Monthly Salary	Monthly Salary
<i>Executive Management Division</i>						
General Manager						Set by the Board by Contract
Director of Operations	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Director of Engineering	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Director of Environmental Compliance	54	\$ 77.62	\$ 99.07	\$ 13,454.13	\$ 17,172.13	
Finance Controller	52	\$ 70.43	\$ 89.86	\$ 12,207.87	\$ 15,575.73	



EXHIBIT C



Fiscal Year 2022/2023

FTE 62
 Administration 8
 IT Systems 1
 Engineering 3
 Envirn. Compl. 10
 Operations/ 40
 Maintenance

Agenda Item

6.S.

Board of Directors Meeting

Meeting Date: June 2, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Investment Policy for Public Funds Annual Review

Summary

At its December 7, 2017, Board of Directors meeting, the Board approved Resolution No. 2017-09 and repealed Resolution 2007-05 bringing the Investment Policy for Public Funds current.

As directed by the Board, the General Manager and Finance Controller are to review the policy annually and recommend any revisions necessary. In preparation for the 2022-2023 fiscal year, staff has completed the review and evaluation of the Investment Policy for Public Funds and find the policy may continue without revision.

Note that the Exhibit reference to the 2017 policy reports LAIF investment opportunity with a cap of \$40 million; however, as of 2022, the LAIF cap has been raised to \$75 million. SOCWA does not invest near the quoted \$40 million and the Exhibit can be revised in the future.

Recommended Action: Staff recommends the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

Investment Policy For Public Funds



	POLICY NUMBER 2017-XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017	

TABLE OF CONTENTS

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

	POLICY NUMBER 2017-XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017	

1. PURPOSE OF POLICY

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

2. OBJECTIVE

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

3. GENERAL POLICY

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


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

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

Investments may be made in the following:

(See Attachment A-1)


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

	POLICY NUMBER 2017-XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017	

Criteria for selecting investments and order of priority are:

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

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

	POLICY NUMBER 2017-XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017	

4. DELEGATION OF AUTHORITY

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

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

5. ETHICS AND CONFLICTS OF INTERESTS

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

6. AUTHORIZED FINANCIAL INSTITUTIONS


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

7. SAFEKEEPING AND CUSTODY

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

8. REPORTING GUIDELINES

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

	POLICY NUMBER 2017-XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017	

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

9. POLICY REVISIONS

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

10. POLICY APPROVAL AND ADOPTION

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

EXHIBIT A-1

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
INVESTMENT POLICY – November 2, 2017**

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

Exhibit A-2
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
INVESTMENT POLICY – November 2, 2017

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

Agenda Item

6.T.

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Pacific West Patrol Extension of Security Services [Project Committees 2 and 17]

Summary

SOCWA uses Pacific West Patrol to randomly patrol the JBL (PC 2) and RTP (PC 17) Treatment Plants because they are in urban areas and periodically experience unauthorized visitors after hours. Pacific West Patrol will also call-in staff for water leaks, noisy equipment, etc., that start after hours. SOCWA staff requests the Board approve a 1-year extension at not to exceed \$18,000 for security patrol services. Board approval would continue use of a multi-year vendor. Staff would seek to seek proposals for services again in the coming fiscal year.

Discussion/Analysis

This service is essential to the security of the JBL and RTP Treatment Plants. It also helps ensure that after hour unauthorized visitors do not damage the facilities or harm themselves. Pacific West Patrol has provided these patrol services for over 10 years and are familiar with the facilities and SOCWA's emergency procedures. SOCWA staff recommends continuation of the patrol services with Pacific West Patrol because they have been very effective at maintaining a security presence and quickly address unauthorized visitors.

Prior Related Project Committee or Board Action(s)

None

Fiscal impact

The allocations of this amendment by member agency are shown below for each Project Committees and Project Committee member agency:

PC	Contract
PC2-JBL	\$9,000.00
PC17-RTP	\$9,000.00
Total	\$18,000.00

PC2-JBL	Solids Common Allocation	FY 21-22 Renewal Total
CSJC	30.00%	\$2,700.00
MNWD	21.62%	\$1,945.80
SCWD	20.00%	\$1,800.00
SMWD	28.38%	\$2,554.20
Subtotal	100.00%	\$9,000.00

PC17-RTP	Solids Common Allocation	FY 21-22 Renewal Total
CLB	6.27%	\$564.30
EBSD	0.33%	\$29.70
ETWD	10.26%	\$923.40
MNWD	78.13%	\$7,031.70
SCWD	5.01%	\$450.90
Subtotal	100.00%	\$9,000.00

Agency Totals	Allocation
CSJC	\$2,700.00
CLB	\$564.30
EBSD	\$29.70
ETWD	\$923.40
MNWD	\$8,977.50
SCWD	\$2,250.90
SMWD	\$2,554.20
Totals	\$18,000.00

CSJC/SMWD	\$5,254.20
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Recommended Action: Staff recommends PC 2 and PC 17 Board of Directors authorize the General Manager to amend the existing services contract with Pacific West Patrol to add an additional year of service at a not to exceed \$18,000.

Agenda Item

7.A.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

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

SUBJECT: J.B. Latham Treatment Plant Package B Contingency Increase
[Project Committee 2]

Overview

Over the past few months, SOCWA staff have updated the Engineering Committee on the progress of the J.B. Latham Package B Project (Project). This includes updates on a number of the challenges encountered during the Project. These challenges have been from poorer than expected concrete conditions found under existing coating systems, supply chain disruptions affecting the availability of equipment, materials, and labor, and changed field conditions since the contract was awarded in 2019.

The most recent Capital Improvement Construction Report, shown in Table 1 below, the Project contingency is nearly spent in two areas.

Table 1 – Package B Current Remaining Contingency

Area	Project Code	Contingency Amount	Change Orders	Remaining Contingency	Percent Used
Liquids	3220-000	\$916,800.00	\$908,519.07	\$8,280.93	99.1%
Common	3231-000	\$96,800.00	\$83,680.00	\$13,120.00	86.4%
Solids	3287-000	\$1,857,400.00	\$1,672,547.44	\$184,852.56	90.0%
Total		\$2,871,000.00	\$2,664,746.51	\$206,253.49	92.8%

The SOCWA and Butier team reviewed the remaining scope of work for the Project to determine the remaining potential for Change Orders. The future work is similar in nature to the past work, except for the installation of a Boiler. The Change Order rate is expected to remain similar to the past work. The expected Change Orders are estimated to be \$725,000. Therefore, SOCWA staff is requesting an additional \$690,000 in contingency.

Liquids Contingency

We currently have an estimated \$422,000 in open and potential Change Orders for the Liquids Area of the Project, as shown in Table 2. However, there is only \$8,280 remaining in Liquids contingency. Thus, SOCWA staff is requesting \$415,000 for Liquids contingency to carry through to the end of the Project.

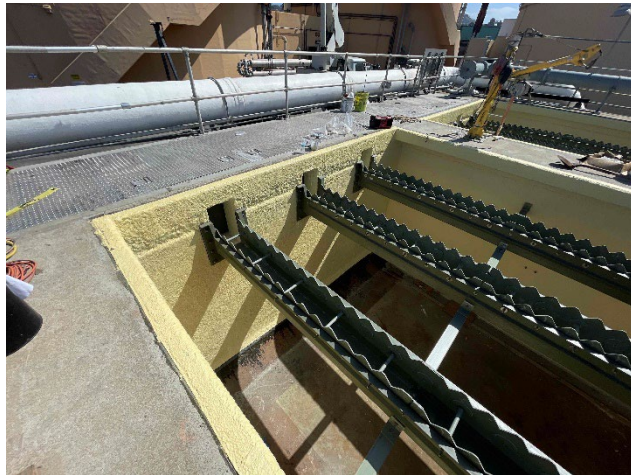
Table 2 – Potential Change Orders for Package B Liquids

PCO Number	Description	Status	Amount
PCO 039	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	\$5,000
PCO 050	Telescoping Valve Rework at Plant 2	Potential Change	\$28,000
PCO 074	Plant 1 Primary Basins Existing Equipment Removal and Installation	Potential Change	\$130,000
PCO 088	Plant 1 Primary Basins Existing Coating Removal	Potential Change	\$144,000
PCO 075	Plant 1 Bypass System Size Change	Potential Change	\$100,000
Est	Seal Influent Junction Box	Potential Change	\$15,000
Total			\$422,000

Below is additional information on the three most significant Liquids Area potential change orders.

PCO 074: Plant 1 Primary Basins Existing Equipment Removal and Installation:

Plant 1 primary basins feature existing chain and flight equipment that were to be protected in place during the improvements. In order for the proper blasting and coating to be performed, the existing chain and flight equipment needed to be removed. The components without moving parts can be protected in place.



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PCO 088: Plant 1 Primary Basins Existing Coating Removal:

Upon removing the covers and draining the basins, the areas previously coated were in worse condition than anticipated. The coating scope of work was expanded to include the removal and replacement of the poor condition coatings.



PCO 075: Plant 1 Bypass System Size Change:

The original work plan only allowed the bypass to be in place during the dry season (April 15 through October 15). Due to the delay of the Project and other supply challenges, two of the three phases of the bypass were performed during the wet season, and the bypass system was upsized to accommodate higher flows.



Common Contingency

We currently have an estimated \$33,000 in potential Change Orders for the Common Area related to the Lab Building demolition and road restoration. There is only \$13,120 remaining in the Common contingency. Due to the potential for unforeseen and changed conditions with the Lab demolition and road restoration, SOCWA staff is requesting an additional \$25,000 for Common contingency to carry through to the end of the Project.

Solids Contingency

We currently have an estimated \$434,000 in potential Change Orders for the Solids Area of the Project, as shown in Table 3. There is only \$184,000 remaining in the Solids contingency. Thus, SOCWA staff is requesting an additional Solids contingency of \$250,000 for Solids contingency to carry through to the end of the Project.

Table 3 – Potential Change Orders for Package B Solids

PCO Number	Description	Status	Amount
PCO 039	TWAS Slab Modifications	Potential Change	\$50,000
PCO 009	PLC East Headworks Integration	Potential Change	\$10,000
PCO 014	Digester 4 Compressor Supply Line	Potential Change	\$18,146
PCO 026	Gas Hatch Lids Mating Connection	Potential Change	\$7,771
PCO 065	Digester 1/2 Heat Exchanger Layout Reconfiguration	Potential Change	\$50,000
PCO 066	DAFT 1 Repair	Potential Change	\$65,000
PCO 069	Digester 3 Heat Exchanger Hot Water Loop Tie-In	Potential Change	\$2,755
PCO 092	Hot Water System Expansion Tank	Potential Change	\$5,000
PCO 093	DAFT Light Change	Potential Change	\$33,000
PCO 094	Additional Red Coloring Agent to Concrete	Potential Change	\$5,000
PCO 095	Foul Air Rerouting at DAFT 2	Potential Change	\$5,000
PCO 097	Digester Hot Water Temperature Gauge Setting	Potential Change	\$5,000
PCO 110	DAFT 2 Launder Support Detail	Potential Change	\$50,000
Est	Boiler System Reconfiguration	Potential Change	\$69,000
Est	Digester 1 and 2 Mixing Systems	Potential Change	\$58,308
Total			\$434,000

Below is additional information on the larger Solids Area potential change orders.

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PCO 065: Digester 1/2 Heat Exchanger Layout

Per the original design, the heat exchanger layouts positioned the piping systems at both Digesters 1 and 2 locations adjacent to the roadway. The original design was intended for standard vehicle access, not for larger service vehicles. Moreover, pipe support footings per plan would encroach the roadway as well. Therefore, the heat exchanger layouts were revised for Digester Nos. 1 and 2 to accommodate larger service vehicles. We have only received the electrical/I&C cost and still waiting for the civil/mechanical cost.



PCO 110: DAFT 2 Launder Supports

The repair method on DAFT 2 was to “reskin” the tank wall by removing and protecting the existing launders and removing and replacing the tank's main structural wall. Then the existing launders would be reattached to the new structural wall. The selected repair method required eight launder supports and a revised concrete curb.

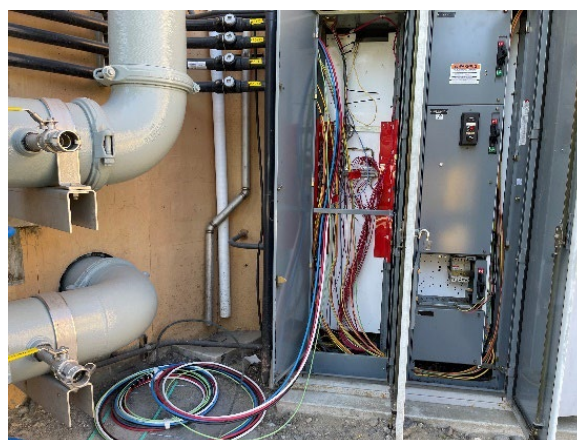


PCO Est: Revised Boiler System and Layout

The original boiler selected cannot be used because the furnace diameter is too narrow for the burner element to work properly. Therefore, a different boiler was selected during the submittal process. In addition, non-ripped tubing was implemented for digester gas as its by-product siloxane will cause build-up on the ridges. The revised boiler system and layout will have cost impacts.

PCO Est: Digester 1 and 2 Mixing Systems

O&M staff requested to install pinch valves on the Digesters 1 and 2 mixing systems to ease maintenance requirements. Also, since temperature and operating ranges may be difficult to maintain with the new heat exchanging system, additional instrumentation was added to support O&M staff troubleshooting the new system. In addition, the original design to control the mixing pumps could not be achieved due to the lack of instrument feedback from the existing equipment; therefore, an alternative method of control is being developed.



Fiscal Impact

Change Orders against the contingency will continue to be presented to the Engineering Committee for approval, followed by PC 2 Board notification. The additional contingency will allow SOCWA staff to continue to direct the work without causing construction delay impacts. Table 4 shows the revisions to the contingencies for each of the areas totaling \$690,000.

Table 4 – Package B Revised Contingency

Contingency	3220-000 Facility Improvements B Liquids Area	3231-000 Facility Improvements B Common Area	3287-000 Facility Improvements B Solids Area	Total
Current	\$916,800	\$96,800	\$1,857,400	\$2,871,000
Increase	\$415,000	\$25,000	\$250,000	\$690,000
Revised	\$1,331,800	\$121,800	\$2,107,400	\$3,561,000

Table 5 shows the allocation of the requested contingency increase by member agency.

Table 5 – Agency Allocation for the Requested Contingency

Member Agency	3220-000 Facility Improvements B Liquids Area	3231-000 Facility Improvements B Common Area	3287-000 Facility Improvements B Solids Area	Total
CSJC	\$127,692.31	\$7,596.15	\$75,000.00	\$210,288.46
MNWD	\$95,769.23	\$5,587.32	\$54,054.05	\$155,410.60
SCWD	\$119,711.54	\$6,105.77	\$50,000.00	\$175,817.31
SMWD	\$71,826.92	\$5,710.76	\$70,945.95	\$148,483.63
Total	\$415,000.00	\$25,000.00	\$250,000.00	\$690,000.00
<i>CSJC/SMWD</i>	<i>\$199,519.23</i>	<i>\$13,306.91</i>	<i>\$145,945.95</i>	<i>\$358,772.09</i>

SOCWA staff continues working through descoping and time delay items expected to reduce the overall construction contract amount. SOCWA staff will also present contract amount changes as project contingency changes. This will maintain the current contingency amount when the contract amount is modified.

Recommended Action: Staff recommends that the PC-2 Board of Directors approve the following changes in contingencies for Change Orders associated with the Package B Olsson Construction Contract totaling \$690,000, as follows:

- Increase Liquids Area (3220-000) contingency by \$415,000 to a total of \$1,331,800.
- Increase Common Area (3231-000) contingency by \$25,000 to a total of \$121,800.
- Increase Solids Area (3287-000) contingency by \$250,000 to a total of \$2,107,400.

Agenda Item

7.B.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Roni Young Grant, Associate Engineer

SUBJECT: An amendment to the Kleinfelder Engineering contract for bidding and construction support services for the JBL Centrate Piping Reconstruction Project [Project Committee 2]

Overview

SOCWA staff requested Kleinfelder, the Engineer of Record, to prepare a bidding and construction services proposal for the J.B. Latham Treatment Plant Centrate Piping Reconstruction Project.

The scope of services for the bidding and construction services include:

- Bid Phase Support: Updating design documents and cost estimates prior to bidding, attending a pre-bid conference, preparing responses to Request for Information (RFIs) and addenda during bidding, and preparing conformed documents.
- Construction Phase Support: Attend construction progress and site meetings, respond to RFIs, review submittals, review change order requests, and prepare record drawings.

Kleinfelder submitted a fee estimate of \$71,374. The proposal is attached in Exhibit A.

With this approval, the SOCWA staff anticipates the Project bidding period to start in late July 2 or early August 2022.

Fiscal Impact

Table 1 shows the project allocation, and Table 2 shows the allocation by member agency for the bidding and construction services.

Table 1 – Project Allocation

Project	PC 2 – Solids Task 3234-000
Centrate Piping Reconstruction	\$71,374
Total	\$71,374

Table 2 –Allocation by Member Agency

Member Agency	PC 2 – Solids Task 3234-000
City of San Juan Capistrano	\$21,412
Moulton Niguel Water District	\$15,431
South Coast Water District	\$14,275
Santa Margarita Water District	\$20,256
Total	\$71,374

Recommended Action: Staff recommends that the PC 2 Board of Directors approve the bidding and construction services contract amendment to Kleinfelder in an amount not to exceed \$71,374 for the J.B. Latham Treatment Plant Centrate Piping Reconstruction Project.

/attachment - Exhibit A Kleinfelder Proposal



April 15, 2022

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

SUBJECT: TASK PROPOSAL FOR BID AND CONSTRUCTION SERVICES FOR THE JB LATHAM WWTP CENTRATE DRAIN LINE IMPROVEMENT SYSTEM

Dear Ms. Young Grant:

Kleinfelder is pleased to present this proposal to provide bid and construction phase services for the JB Latham WWTP Centrate Drain System.

BACKGROUND AND PROJECT UNDERSTANDING

SOCWA has requested Kleinfelder prepare a scope of services and fee estimate for bid and construction phase services. The project consists of improvements to JB Latham WWTP Centrate System.

Under this task, Kleinfelder will support SOCWA from bid support through construction phase services. Bid phase support includes updating design documents and cost estimates prior to bidding, attending a pre-bid conference, preparing responses to RFIs and addenda during bidding, and preparing a set of conformed documents as a result of the bidding process. Construction phase support includes attending construction progress meetings and site visits, responding to Requests For Information (RFIs) and Submittals, and development of change orders as described herein.

SCOPE OF SERVICES

TASK 1: Bid Phase Support, Construction Meetings and Site Visits

Bid Phase Support

- Meetings: Kleinfelder will attend two meetings (pre-bid conference and bid opening). Each meeting is assumed to require (one) person at (3) hours per meeting (inclusive of travel) for each meeting.
- Contractor Bid RFIs: Kleinfelder will respond to contractor questions or clarifications during the bidding phase. The level of participation includes the response of up to (10) contractor question or clarification responses.
- Addenda: Prepare and incorporate required addenda to plans, specifications, CADD files. The preparation of up to (3) addenda are included in this scope of services.
- Conformed Documents: Kleinfelder will prepare conformed plans and specifications for use in constructing the project. The conformed plans and specifications will reflect changes made during bidding and will be noted as a revision to the final design plans. One draft set of conformed documents will be submitted for review and comment. Once a complete set of

comments is received, Kleinfelder will incorporate modifications into a final deliverable. One round of comments is included in this scope.

Construction Meetings

- Kleinfelder will attend meetings for the construction phase of this project. Each meeting is assumed to be (1) hour in duration and attended remotely. The estimated meetings are:
 - Pre-construction meeting (1).
 - Construction progress meetings (up to 12 meetings with one Kleinfelder attendee).
- Kleinfelder will not be responsible for meeting agendas or meeting minutes.

Site Visits

- This scope includes (48) hours of time for site visits during the construction period on an as-needed basis.
- Site visits are intended to assist in contractor questions or technical issues that arise during construction that require the engineer to visit the site to resolve.

Deliverables

- RFI responses - 10 (PDF).
- Addenda – 3 (PDF).
- Draft Conformed Drawings and Specifications (PDF Only).
- Final Conformed Drawings and Specifications in the following electronic formats:
 - Drawings (PDF and AutoCAD)
 - Specifications (PDF and Microsoft Word)

TASK 2: Submittal Reviews

Submittal Review

- Kleinfelder will review contractor shop drawings submittals for the project.
- A log will be updated and maintained for tracking all contractor submittals. Kleinfelder will provide a response to submittals in a timely fashion per the Contract requirements.
- Kleinfelder will provide an initial review of up to (20) contractor submittals. It is anticipated that a second review will be performed for 50% of the shop drawings to verify comments from the initial submittal were addressed.

Deliverables

- Submittal Reviews - 20 (PDF).

TASK 3: RFI's and Change Orders

Request for Information (RFI)

- Kleinfelder will review and prepare responses for up to (20) Contractor's RFIs during the construction phase. Kleinfelder will provide response to RFIs in a timely fashion per the Contract requirements.

Change Orders

- Kleinfelder will assist with review and contract modification documents in response to Contractor's requested changes or redesign. Kleinfelder will assist in up to (4) change order reviews.

Deliverables

- RFI Responses - 20 (PDF).
- Change Order Reviews - 4 (PDF).

TASK 4: Record Drawings

Record Drawings

- Kleinfelder will produce record drawings based on Contractor redlines made during Construction. The record drawings will reflect changes made during construction that deviate from the Conformed Drawings based on Contractor redlines.
- One draft set of record drawings will be submitted for review and comment. Once a complete set of comments is received, Kleinfelder will incorporate modifications into a final deliverable and deliver per SOCWA CAD standards. One round of comments is included in this scope.

Deliverables

- Draft Record Drawings (PDF only).
- Final Record Drawings (PDF and AutoCAD) per SOCWA CAD Standards.

SCHEDULE

Kleinfelder estimates approximately 24 months to complete the project from notice to proceed, though schedule will be responsive to the bid schedule and Contractor's construction schedule. With an assumed start date of August 2, 2022, the project would be complete by August 2, 2024.

ESTIMATED BUDGET

The estimated budget for the scope of services described above is \$71,374.00 and appears on Exhibit A attached.

LIMITATIONS

Orders or restrictions issued by civil authorities and other conditions relating to the COVID-19 pandemic may interfere with Kleinfelder's ability to perform or otherwise impact our ability to work. Kleinfelder will communicate any anticipated delays or impacts and work closely with the client to identify a mutually acceptable solution to advance Kleinfelder's completion of its services.

AUTHORIZATION

Our services are in accordance with the terms and conditions of our contract with the SOCWA. Please provide Kleinfelder with a Task Order authorizing us to proceed. We will begin our services upon receiving written authorization to proceed. We appreciate the opportunity to be of professional service on this project. Please contact the undersigned if you have any questions or need additional information.

Sincerely,

KLEINFELDER



Trevor Shackelford, PMP
Project Manager



Simon Wong, PE, SE
Principal in Charge

Attachments: Exhibit A – Fee Summary

EXHIBIT A
FEE SUMMARY

FEE SUMMARY

SOCWA JB Latham Centrate System-Bid Services

LABOR CATEGORY	Senior Technical Engineer	12 - Principal Professional	9 - Staff Professional II	8 - CADD Operator	7 - Project Administrator I	TOTAL HOURS	LABOR FEE	LAB FEE	UNIT AND EXPENSE FEE	SUB- CONSULTANT FEE	TOTAL FEE
<i>Billing rate (\$/hr)</i>	\$243.00	\$197.00	\$139.00	\$123.00	\$84.00						
Task 1 - Bid Phase Support, Construction Meetings and Site Visits	12	55	48	16	12	143	\$23,399	\$0	\$2,870	\$0	\$26,269
Task 2 - Submittal Review	0	28.5	86	0	0	114.5	\$17,569	\$0	\$0	\$0	\$17,569
Task 3 - RFI and Change Order Review	0	31	52	10	0	93	\$14,565	\$0	\$0	\$0	\$14,565
Task 4 - Record Drawings	0	7.5	25	57	12	101.5	\$12,972	\$0	\$0	\$0	\$12,972
LABOR HOURS	12	122	211	83	24	452					
LABOR FEE	\$2,916	\$24,034	\$29,329	\$10,209	\$2,016		\$68,504	\$0	\$2,870	\$0	\$71,374

Agenda Item

8.A.

Budgeted: Yes

Budget amount: \$1,470,000

Line Item: PC2 & 17 Lines 5049

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Contract Amendments to Synagro for Biosolids Management

Summary

After Synagro submitted its fee proposals for contract extensions in November 2021, two significant changes occurred that impacted the costs for Biosolids Management:

- 1) Fuel costs increased 60%
- 2) Proposition 22 was newly declared unconstitutional (A voter-passed Proposition clarifying that specific workers are independent contractors failed legal challenges and trucking contractors are designated employees, significantly increasing hauling costs.)

Due to these circumstances, the current subcontractors to Synagro have become either unreliable and/or provided notice to Synagro of a necessary price increase. Thus, Synagro has requested modifications to their two (2) contracts to address the cost drivers making the current contracts unsustainable. Pursuant to the contract terms, Synagro could elect to stop servicing SOCWA and the member agencies with a 60-day notice. The proposed changes include amending the existing contracts as follows:

- 1) Nursery Products – Add a Fuel surcharge based on the EIA monthly price index

$$=(3*(((current\ diesel\ price - 3)*20)*0.5)/100)+1)) *(current\ diesel\ price - 4.758)$$

At \$6.22 per gallon in April 2022, the surcharge would be \$5.80 per wet ton (WT)

Note: \$4.758 was the diesel fuel price in November 2021

- 2) Nursery Products – Increase tip fee

From \$59.89 per ton to \$64.50 per wet ton (WT)

- 3) South Kern – Update the current Fuel surcharge using the EIA monthly price index

$$=(3*(((current\ diesel\ price - 3)*20)*0.5)/100)+1)) *(current\ diesel\ price - 4.758)$$

At \$6.22 per gallon in April 2022, the surcharge would be \$5.80 per wet ton (WT)

Note: \$4.758 was the diesel fuel price in November 2021

4) South Kern - Increase tip fee

From \$72.07 per ton to \$82.22 per wet ton (WT)

At \$6.22 per gallon in April 2022, the resulting per wet ton costs would be:

- Nursery Products from \$64.50 + \$5.80 or \$70.30 compared to the old pricing of \$59.89, a 17.4% increase.
- South Kern from \$82.22 + \$5.80 or \$88.02 compared to the old pricing of 72.07 + 17.37 or \$89.80, a 2% decrease.

Arizona Soil Site Usage Amendment

In addition, Synagro requested that Biosolids management at Arizona Soils be included in the contract amendment to the Nursery Projects contract. In addition to declaring pricing for Arizona Soils, Synagro will list the site in the Contract to ensure that other contractual terms properly cover this management option (management site indemnity, liability, etc.). It should be noted that past usage of Arizona Soils by SOCWA was done under the emergency provisions approved on a case-by-case basis.

The proposed fee structure for Arizona Soils is as follows:

- 1) \$74.23 per wet ton
- 2) $= (3 * (((((\text{current diesel price} - 3) * 20) * 0.5) / 100) + 1)) * (\text{current diesel price} - 4.758)$

At \$6.22 per gallon in April 2022, the resulting per wet ton costs would be:

- Arizona Soils would be \$74.23 + \$5.80 or \$80.03 per wet ton.

Self-haul Agreement Amendment

SOCWA staff also requested and received rates for self-hauled deliveries to the Nursery Products and the Arizona Soils sites. The proposed fees are as follows:

- Nursery Products \$32.10 per wet ton
- Arizona Soils \$25.27 per wet ton

SOCWA staff will issue an RFP for self-hauling contractors to deliver SOCWA's Biosolids directly to either of these sites. If the RFP results in lower hauling costs, SOCWA staff will present the RFP results to the Board for consideration.

Lastly, the other SOCWA member agencies outside PC2 and PC17 also use these contracts for Biosolids Management as cooperative contracts. It was also noted by the City of San Clemente, the only known agency using Nursery Products hauled by Denali, that deliveries have been

unreliable over the past 4 months. The other sites serviced by GIC have not had the same issues recently, but GIC is requesting a price increase with Synagro to continue operations.

Prior Related Project Committee or Board Action(s)

October, 2016 – Receive and File the Biosolids Management Strategic Plan Update

November, 2016 – Contract approval with Nursery Products for the Transportation and Beneficial Reuse of Wastewater Biosolids – 15-year agreement

February, 2018 – No action was taken on the Consideration of Biosolids Handling Demonstration Project at SOCWA Treatment Facilities

June, 2018 – Receive and File the Biosolids Update Report

September, 2018 – Contract approval for engineering support services for the Biosolids Innovative Technology Request for Proposals with Carollo Engineers for \$99,948

November, 2018 – Receive and File the Biosolids Management Strategic Plan Update

October, 2019 – Engineering Committee proceeded with reviewing a shortlist of vendors that responded to the Biosolids Innovative Technology Request for Proposals

March, 2020 – Engineering Committee PC 2 and PC17 members to meet separately to review the proposals and responses.

August, 2020 – Engineering Committee PC 2 and PC17 members to meet separately to detail the moving of the Innovative Biosolids project forward with PC 2 and PC 17 members

September, 2020 – PC 2 and PC 17 Board of Directors conceded not to pursue any of the Innovative Biosolids Proposals but to continue to discuss with SCAP and other organizations to identify partners who would be interested in working with SOCWA to further evaluate partner and location opportunities to continue the efforts already in progress

March, 2021 – Contract amendment approval for SOCWA to self-haul biosolids to Synagro's sites.

December, 2021 – Approval of 5-year contract extension

Fiscal impact

In the future, the increased costs to SOCWA will vary with the cost of diesel fuel prices. At the current diesel fuel cost of \$6.22 per gallon in April 2022, the increases for the options are as follows:

- Nursery Products from \$64.50 + \$5.80 or \$70.30 compared to the old pricing of \$59.89, a 17.4% increase.
- South Kern from \$82.22 + \$5.80 or \$88.02 compared to the old pricing of 72.07 + 17.37 or \$89.80, a 2% decrease.

The estimated annual impact at the above rates is \$116,000, an 8% increase in Biosolids management costs split evenly between PC2 and PC17. This is based on the cost melding policy implemented in FY 2004-05.

Staff recommends agreement to the following pricing:

Product Contract Amendment

- 1) Add a Fuel surcharge (for all sites)

$$=(3*(((current\ diesel\ price - 3)*20)*0.5)/100)+1)) *(current\ diesel\ price - 4.758)$$

- 2) Increase tip fee

From \$59.89 per ton to \$64.50 per wet ton (WT)

- 3) Add Arizona Soil management site to the contract with a management fee of \$82.22 per wet ton

South Kern Industrial Center (SKIC) Contract Amendment

- 1) South Kern – Updated Fuel surcharge

$$=(3*(((current\ diesel\ price - 3)*20)*0.5)/100)+1)) *(current\ diesel\ price - 4.758)$$

- 2) South Kern - Increase tip fee

From \$72.07 per ton to \$82.22 per wet ton (WT)

Self-Haul Agreement Amendment

- 1) Add a tipping fee for direct deliveries at \$32.10 per wet ton for Nursery Products
- 2) Add a tipping fee for direct deliveries at \$25.27 per wet ton for Arizona Soils

Recommended Action: Staff recommends that the Board of Directors to authorize the General Manager to execute contract amendment[s] with Synagro for Biosolids management consistent with the price quote staff is recommending in the staff report.

MAY 9, 2022

Jeanette Cotinola, CMPM

Procurement / Contract Administrator
34156 Del Obispo Street
Dana Point CA 92629
Email: jcotinola@socwa.com
Mobile: 949-324-5279

Dear Jeanette:

Synagro is requesting the following rate change due to a series of hauler pricing changes from GIC transitions for South Orange County Water Authority facilities and other parties to the agreement under certain service agreement currently planned and budgeted against permits and delivered to Synagro Nursery Products Composting Beneficial Use Facility (NP). The revised transportation and beneficial use processing charge totals \$64.50/WT or at Delivered Tip Fee of \$32.10/WT with effective date of May 1st2022 for biosolids hauling therefore Synagro is asking for a prompt response and approval on the GIC rates and related fuel surcharge (Example Attachment1) for the Nursery Products Facility.

In addition, for South Orange County Water Authority facilities and other parties to the agreement under certain service agreement currently planned and budgeted against permits and delivered to Arizona Soils Composting Beneficial Use Facility (AZ). The revised transportation and beneficial use processing charge totals \$74.23/WT or at Delivered Tip Fee of \$25.27/WT with effective date of May 1st2022 for biosolids hauling therefore Synagro is asking for a prompt response and approval on the GIC rates and related fuel surcharge (Example Attachment1) for the Arizona Soils Facility.

General comment on hauling, the trucking market continues to be in great state of flux with driver shortages thus providing drivers with great leverage over increasing wages and benefits and work they will accept with little or no negotiation. As management partners for the past 20 years, Synagro is working hard to continue to provide the most economical biosolids beneficial use services at our South Kern and our Nursery Products facilities and AZ Soils with the understanding we may need to revisit hauling in the future unless trucking market conditions improve.

We appreciate your understanding on this request and look forward to your prompt reply so we may continue uninterrupted service as we transition haulers. Should you have any questions or comments please feel free to contact me at 323-843-7265 or via email at robertford@synagro.com.

Sincerely,

Robert Ford

Robert Ford

Business Development Manager

Attachment: Fuel Surcharge



Attachment 1

Fuel Surcharge Adjustment

All Agreement Prices shall be adjusted monthly for a fuel surcharge ("Fuel Surcharge Adjustment") to reflect any increased change in diesel fuel prices, in accordance with the table below, if the cost of retail on-highway diesel fuel (Department of Energy, Energy Information Administration – **(\$4.758)** is at, or exceeds, **\$4.758** per gallon (Base Price).

The Fuel Surcharge Adjustment will be based on the following chart and the Retail On-Highway Diesel Price – **(\$4.758)** as published by the U.S. Department of Energy's Energy Information Administration for California Retail Price and will be applied to the then current fixed or unit fee, as applicable. The Fuel Surcharge Adjustment will be no more than once a calendar month beginning with the second calendar month following the Commencement of Services and shall be adjusted as of the first day of each month. Fuel Surcharge Adjustment will then be applied as follows:

Diesel Price \$/Gallon - Note¹	Fuel Surcharge Adjustment %
< \$(Base Price)	None
Base Price to Base Price plus \$.049	0.5 %
Base Price plus \$0.05 to Base Price plus \$0.099	1.0 %
Base Price plus \$0.1 to Base Price plus \$.0149	1.5 %

For each \$0.05/gallon increase thereafter add 0.5%

EXAMPLE:

Base Price = \$3.00 / Gallon

Diesel Price \$/Gallon - Note¹	Fuel Surcharge Adjustment %
≤ \$3.00 (Base Price)	None
\$3.01 - \$3.049	0.5 %
\$3.05 - \$3.099	1. %
\$3.10 - \$3.149	1.5 %

Note 1 - Fuel Rate based on DOE EIA monthly retail on-highway diesel prices (\$6.22 March 2022)

**Note Synagro current planed and budgeted delivered tons against permit at NP are the (Laguna Nigel) and (San Clemente) and (Dana Point) to which the price of \$64.50/WT or Delivered Tip Fee of \$32.10/WT applies along with the fuel surcharge. Also, Synagro current planed and budgeted delivered tons against permit at AZ is the (Santa Margarita) to which the price of \$74.23/WT Delivered Tip Fee of \$25.27/WT applies along with the fuel surcharge. Other SOCWA and parties to the agreement may be added to NP or AZ at the stated rate pending Synagro approval and transportation charges are aligned.*



MAY 9, 2022

Jeanette Cotinola, CMPM

Procurement / Contract Administrator
34156 Del Obispo Street
Dana Point CA 92629
Email: jcotinola@socwa.com
Mobile: 949-324-5279

Dear Jeanette:

Synagro is requesting the following rate change due to a series of hauler pricing changes from GIC for South Orange County Water Authority facilities and other parties to the agreement under certain service agreement currently planned and budgeted against permits and delivered to Synagro South Kern Composting Beneficial Use Facility (SKIC). The revised transportation and beneficial use processing charge totals \$82.22/WT with effective date of May 1st2022 for biosolids hauling therefore Synagro is asking for a prompt response and approval on the GIC rates and related fuel surcharge (Example Attachment1) for the Synagro South Kern Facility.

General comment on hauling, the trucking market continues to be in great state of flux with driver shortages thus providing drivers with great leverage over increasing wages and benefits and work they will accept with little or no negotiation. As management partners for the past 20 years, Synagro is working hard to continue to provide the most economical biosolids beneficial use services at our South Kern and our Nursery Products facilities and AZ Soils with the understanding we may need to revisit hauling in the future unless trucking market conditions improve.

We appreciate your understanding on this request and look forward to your prompt reply so we may continue uninterrupted service as we transition haulers. Should you have any questions or comments please feel free to contact me at 323-843-7265 or via email at robertford@synagro.com.

Sincerely,

Robert Ford

Robert Ford

Business Development Manager
Attachment: Fuel Surcharge

Attachment 1

Fuel Surcharge Adjustment

All Agreement Prices shall be adjusted monthly for a fuel surcharge ("Fuel Surcharge Adjustment") to reflect any increased change in diesel fuel prices, in accordance with the table below, if the cost of retail on-highway diesel fuel (Department of Energy, Energy Information Administration – **(\$4.758)** is at, or exceeds, **\$4.758** per gallon (Base Price).

The Fuel Surcharge Adjustment will be based on the following chart and the Retail On-Highway Diesel Price – **(\$4.758)** as published by the U.S. Department of Energy's Energy Information Administration for California Retail Price and will be applied to the then current fixed or unit fee, as applicable. The Fuel Surcharge Adjustment will be no more than once a calendar month beginning with the second calendar month following the Commencement of Services and shall be adjusted as of the first day of each month. Fuel Surcharge Adjustment will then be applied as follows:

Diesel Price \$/Gallon - Note¹	Fuel Surcharge Adjustment %
< \$(Base Price)	None
Base Price to Base Price plus \$.049	0.5 %
Base Price plus \$0.05 to Base Price plus \$0.099	1.0 %
Base Price plus \$0.1 to Base Price plus \$.0149	1.5 %

For each \$0.05/gallon increase thereafter add 0.5%

EXAMPLE:

Base Price = \$3.00 / Gallon

Diesel Price \$/Gallon - Note¹	Fuel Surcharge Adjustment %
≤ \$3.00 (Base Price)	None
\$3.01 - \$3.049	0.5 %
\$3.05 - \$3.099	1. %
\$3.10 - \$3.149	1.5 %

Note 1 - Fuel Rate based on DOE EIA monthly retail on-highway diesel prices (\$6.22 March 2022)

**Note Synagro current planed and budgeted delivered tons against permit at SKIC are the (Laguna Nigel) and (Irvine Ranch) to which the price of \$82.22/WT applies along with the fuel surcharge. Other SOCWA and parties to the agreement may be added to SKIC at the stated rate pending Synagro approval and transportation charges are aligned.*



Agenda Item

8.B.

Budgeted: Yes

Budget amount: \$658,000

Line Item: PC2, 15 & 17 Lines 5007

Legal Counsel Review: No

Meeting Date: June 2, 2022

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Extension of Polymer Contract with Polydyne, Inc. [Project Committees 2 and 17]

Summary

The Polymer chemical contract with Polydyne, Inc. expires on June 2, 2022. This chemical is necessary for separating water from solids during solids processing in the wastewater treatment process. SOCWA staff is currently negotiating with Polydyne Inc. to exercise the second of three (3) optional annual renewals remaining under the existing contract awarded in 2019.

Discussion/Analysis

It has been reported to SOCWA staff that the recent issues with diesel shortages on the East Coast and other supply chain disruptions have delayed Polydyne from being able to propose a price increase for the upcoming annual renewal. Polydyne Inc. hauls Polymer by train from the East Coast to the West Coast, and without reliable fuel sources, freight rates are unstable and difficult to predict for Polydyne Inc. at this time. Thus, Polydyne is having difficulties determining pricing for SOCWA, and the member agencies.

SOCWA staff is requesting that the General Manager be authorized to complete the negotiations for the annual extension with Polydyne, Inc. to ensure that the supply of this critical chemical used by SOCWA, and the member agencies who utilize this for joint purchasing are uninterrupted.

The list of polymers used include: WE-1476, WE-1748, WE-2067, WE-1460, WE-1695, WE-2067, WE-1731, WE-2002, C-6260, C-6276, C-9455, C-6258, LA-2911, C-2005, C-1000, and Flosperse SC 122CM. Current pricing for these products is in a range between \$.15 to a maximum of \$1.45 per pound.

Prior Related Project Committee or Board Action(s)

None

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Fiscal impact

The impact on Project Committees 2, 15, and 17 and the member agencies is not known at this time.

Recommended Action: Staff recommends that the PC 2 and PC 17 Board of Directors authorize the General Manager to negotiate a one-year contract extension with Polydyne for the polymer products currently under contract to be supplied by this vendor.

Agenda Item

8.C.

Board of Directors

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
CONTACT: Dina Ash, Human Resources Administrator
SUBJECT: SOCWA 457b Plan Loan Program Update

Summary/Discussion

SOCWA offers to its employees a Nationwide 457b Plan for investment of employee savings toward future retirement which also includes a Loan Program. As a plan sponsor, SOCWA has fiduciary obligations to maintenance of the 457b plan ("Plan").

This past year it came to the attention of staff that in connection with retiring employees the SOCWA Plan requires that on the separation from employment individual loans with employee balances must be repaid in full. In several cases, employees have utilized Plan funds via loans to make substantial down payments for housing or other major expenses and requirement for repayment on retirement creates a hardship.

Staff conferred with counsel advising SOCWA regarding the Plan and learned that it is possible to allow for offsets of funds due to the retiree from SOCWA to be allocated by the retiree to funding of loan repayments in order that the obstacle to retirement is removed. If the repayment source does become unavailable, then the loan would revert to being a distribution event for the retiree.

Recommended Action: The Finance Committee recommends that the Board of Directors:

1. Approve the SOCWA 457b Plan Loan Program to allow for an offset of payments otherwise due to retirees to be allocated to retiree loan repayments following separation from employment with the caveat that should the repayment source become unavailable the loan balance would then become a taxable distribution event. [Employee Authorization Form attached]; and
2. Approve revision to the Nationwide 457b Plan Administration Agreement to allow for SOCWA to submit the offset monies for the repayment of loan amounts via Nationwide's Fast Pay system. [Document attached]

**DEDUCTION AUTHORIZATION
FOR LOAN REPAYMENT**

I, (Insert Employee Name) , hereby authorize the South Orange County Wastewater Authority to deduct from my health reimbursement check, my 457(b) loan payment in the amount of \$(Insert Dollar Amount) per month beginning on (Insert Date) until the loan is repaid or the health reimbursement does not cover the full amount of the payment.

I understand that I can revoke this Deduction Authorization by providing written notice to Human Resources.

If I revoke the Authorization, or the health reimbursement does not cover the loan payment, the loan will become a Loan Offset, and it will be my responsibility.

Loan Offset:

A loan offset is a reduction of the Participant’s account balance by the outstanding loan balance and represents an actual distribution from the Participant’s account. A loan offset which does not follow a deemed distribution will be subject to ordinary income tax and maybe subject to an additional 10% early withdrawal tax. A loan offset which does follow a deemed distribution will not be subject to taxation. A Participant will receive a Form 1099-R prior to January 31st of the following year reflecting the loan offset.

Date: _____

Signed: _____

Date: _____

Signed: _____



Date prepared **January 10, 2022**
Plan number **381-60064**
Plan name South Orange County Wastewater
 Authority 457(b) Deferred Compensation
 Plan

Plan Loan Program Amendment

WHEREAS, the Plan Sponsor adopted the Plan Loan Program where by Nationwide Retirement Plans has agreed to administer loans in accordance with the terms of said Plan Loan Program.

WHEREAS, the Plan Sponsor or Plan Administrator desires to amend the Plan Loan Program to allow a Participant who has severed employment to continue to repay a loan.

NOW THEREFORE, it is agreed and hereby understood that the Plan Loan Program is amended by replacing Section 7 in its entirety, Section 7 shall read as follows:

7. Loan Default/ Loan Offset

a) **Loan Default.** If the Participant fails to make up a missed loan repayment within the cure period, the outstanding loan balance, including accrued interest will be defaulted and treated as a deemed distribution effective as of the last day of the cure period. The cure period is the last day of the calendar quarter following the calendar quarter in which the missed loan repayment was due. A deemed distribution is treated as a distribution from the Plan for federal (and possibly state or local) income tax purposes. Therefore, amounts treated as a deemed distribution will be subject to federal, state and/or local income taxes, and maybe subject to an additional 10% early withdrawal tax. A Participant will receive a Form 1099-R prior to January 31st of the following year reflecting this deemed distribution. The Participant shall remain obligated to repay the loan even after a deemed distribution has occurred. Any such repayment following the date of default, will be treated as after tax amounts and the Participant will receive tax basis in his or her account for such amounts.

The outstanding balance of the loan will be treated as a deemed distribution upon notification to Nationwide of the death of such Participant.

b) **Loan Offset.** A loan offset is a reduction of the Participant's account balance by the outstanding loan balance and represents an actual distribution from the Participant's account. A loan offset which does not follow a deemed distribution will be subject to ordinary income tax and maybe subject to an additional 10% early withdrawal tax. A loan offset which does follow a deemed distribution will not be subject to taxation. A Participant will receive a Form 1099-R prior to January 31st of the following year reflecting the loan offset.

Upon severance of employment, the entire amount of the outstanding loan balance, including accrued interest, will become due and payable. If the loan is not repaid in full prior to the last day of the calendar quarter following the calendar quarter in which the severance of employment occurred, the loan will be treated as a loan offset. However, should a Participant who has incurred a severance of employment and continues to submit scheduled payments directly to the Plan Sponsor or Plan Administrator for submission via FastPay, their loan shall not be Offset until they fail to make up any missed loan payments within the applicable cure period. At which time it will become due and payable as defined above.

Plan Name ("Plan"): _____ **Plan Number:** _____

Plan Sponsor:

Name (please print): _____ **Title:** _____

Email: _____

Signature: _____ **Date of Adoption*:** _____

***Unless otherwise indicated below, the date of adoption shall be the Effective Date.**

Effective Date (If different than Date of Adoption): _____

10 W. Nationwide Boulevard, Columbus, OH 43215

The Nationwide Group Retirement Series includes unregistered group fixed and variable annuities and trust programs. The unregistered group fixed and variable annuities are issued by Nationwide Life Insurance Company. Trust programs and trust services are offered by Nationwide Trust Company, FSB, a division of Nationwide Bank. The general

distributor for variable products is Nationwide Investment Services Corporation, member FINRA. Nationwide Mutual Insurance Company and Affiliated Companies, Home Office: Columbus, OH 43215-2220.

Nationwide and the Nationwide N and Eagle are service marks of Nationwide Mutual Insurance Company. ©2020 Nationwide

Agenda Item

8.D.

Budgeted: Yes
Budget amount: \$125,000
Line Item: 05/24-5015-02
Legal Counsel Review: No
Meeting Date: June 2, 2022

TO: PC5 & PC24 Board Members

FROM: Betty Burnett, General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: Plume Tracking Technology Review [Project Committees 5 and 24]

Summary

SOCWA has been following the developments of the plume tracking compliance requirements for the Aliso Creek Ocean Outfall (SOCWA Project Committee 24) and for the San Juan Creek Ocean Outfall (SOCWA Project Committee 5) since 2016. SOCWA budgeted monies in FY 21-22 for the purposes of developing requirements for the plume tracking NPDES requirements. The NPDES permit requirements require a technology evaluation included in the plume tracking work plan. The scope of work would allow for a thorough review of the ROMS-BEC model being proposed as a potential requirement for compliance with the plume tracking workplan with monies available this fiscal year ('21 – '22). Staff anticipates the final report will be delivered to SOCWA prior to the close of this fiscal year.

Discussion/Analysis

Section 6.2 of the NPDES permit for the SJCOO and ACOO permits requires submittal of a plume tracking workplan (PTWP) 180 days after the effective date of the permit. The PTWP is due on October 28, 2022. Section 6.2.2.2. of both permits require an “Evaluation of available technology that may assist with the Plume Tracking Study.” One of the technologies that the San Diego Regional Water Quality Control Board (SDRWQCB) is interested in is the ROMS-BEC model which is a coupled physical model to a biogeochemical model currently being calibrated and validated to track anthropogenic effects from wastewater discharges to the ocean. The SCCWRP research proposes to link wastewater dischargers to the end points of ocean acidification and hypoxia as a sole source cause.

SOCWA staff have been highly involved in the development of the model updates through participation on the Science Advisory Group (SAG) during an uncertainty series in May 2021 where leading experts provided state of the science updates on coupled biochemical models to management actions and regulatory thresholds. Presenters ranged from academics from UCLA and the Jet Propulsion Laboratory to practitioners from the Chesapeake Bay. The BEC portion of the coupled model is dependent on the observation data in the field and assumption related to first order nutrient transport in the plankton biomass. One respected presenter noted that if there is 10% uncertainty in the 10 free

parameters then it represents 100% uncertainty in the model domain and that with a limited data set, the model will perform well based on skill assessment procedures. While the Southern California Bight is one of the best sets of monitoring data world-wide, data gaps related to nutrient transfer within the system remain. In addition, another technical application of the BEC model within the California Current System, which evaluated 22,000 ocean acidification events found that these extreme events have been caused by associated strong upwelling, westward propagation of cyclonic eddies related to the most severe events, and small extremes at depth from pycnocline heaves (when the plume is no longer trapped under the cold dense layer).

In addition to differing attributable events that are causing ocean acidification in the literature, other dischargers are utilizing other techniques in their plume tracking activities. SOCWA has been following these developments related to technical skill for in situ detection and related ocean acidification events. The in-situ measurements are providing great insight into the detection of the plume for dischargers that are similar in flow. Sampling obtained with the use of autonomous vehicles is providing a more accurate snapshot of local conditions that are more relevant to the SOCWA outfalls.

However, at the March 9, 2022, SOCWA NPDES hearing, the Southern California Coastal Water Research Project (SCCWRP) provided an update to the ROMS-BEC model prior to the consideration of the NPDES permits. One SDRWQCB member considered inclusion into the SOCWA permit requirements of a re-opener provision to track the plumes from the ACOO and SJCOO. SOCWA staff will be meeting with the SDRWQCB and staff in August 2022 based on this open question. Due to the potential costs associated with the investment requirement in the ROMS-BEC model, it is recommended that a technical review be conducted to ascertain the reality for the ROMS-BEC model to accurately distinguish discharge events from background ocean circulation and atmospheric interaction events that also contribute to ocean acidification. For example, as the ROMS-BEC model has been forced down to the 300km range from 4km, the variability of the model to capture nitrogen flux increases by 2 orders of magnitude.

The following tasks will be completed associated with this review:

- Task 1: Literature Review and Updated Status of SCCWRP's ROMS-BEC Model
- Task 2: Evaluate Validation and Error Analysis of SCCWRP's ROMS-BEC Model
- Task 3: Null-Hypothesis Analysis of ROMS-BEC
- Task 4: Beta Test of ROMS-BEC Source Code
- Task 5: Draft and Final Report

Advisory Committee Review

SOCWA staff have been providing periodic updates to the SOCWA Engineering Committee regarding these developments.

Prior Related Project Committee or Board Action(s)

Budgeted monies were approved in FY 21-22 for plume tracking requirements.

Fiscal impact

It is recommended that the total cost for the

Table 1: Cost to PC5 Members

Member Agency	Percent Ownership (%)	Cost Per Agency (\$)
City of San Clemente	16.6	\$ 4,150.00
City of San Juan Capistrano	11.1	\$ 2,775.00
Moulton Niguel Water District	15.5	\$ 3,875.00
Santa Margarita Water District	44.3	\$ 11,075.00
South Coast Water District	12.5	\$ 3,125.00
		\$ 25,000.00

Table 2: Cost to PC24 Members

Member Agency	Percent Ownership (%)	Cost Per Agency (\$)
City of Laguna Beach	11	\$ 2,750.00
El Toro Water District	16.3	\$ 4,075.00
Emerald Bay Service District	0.8	\$ 200.00
Irvine Ranch Water District	15.8	\$ 3,950.00
Moulton Niguel Water District	43.8	\$ 10,950.00
South Coast Water District	12.3	\$ 3,075.00
		\$ 25,000.00

Table 3: Combined Costs to each SOCWA Member Agency

Member Agency	Cost Per Agency (\$)
City of San Clemente	\$ 4,150.00
Moulton Niguel Water District	\$ 14,825.00
Santa Margarita Water District	\$ 13,850.00
South Coast Water District	\$ 6,200.00
City of Laguna Beach	\$ 2,750.00
El Toro Water District	\$ 4,075.00
Emerald Bay Service District	\$ 200.00
Irvine Ranch Water District	\$ 3,950.00

Recommended Action: Staff recommends that the PC 5 and PC 24 Board of Directors authorize the General Manager to enter into a contract with Michael Baker International for Plume Tracking Technical Review in an amount not to exceed \$50,000 with costs to be shared as set forth in Table 1 and 2 of the staff report.

/Attachment(s) Proposal for services are attached.

4 May 2022

TO: Amber Baylor, M.S., M.P.A., BCES
Director of Environmental Compliance
South Orange County Wastewater Authority (SOCWA)

FROM: Scott Jenkins, Ph.D., and Makrom Shatila, P.E.
Michael Baker International

SUBJECT: Analysis of Limitations of the SCCWRP version of the ROMS/BEC Model

Ms. Baylor:

It is our pleasure for Michael Baker International to provide you with this proposal to conduct a technical analysis of the present predictive capabilities, limitations, accuracy and sensitivity of the Regional Ocean Modeling System / Biogeochemical Elemental Cycling (ROMS/BEC) model that is being developed by the Southern California Coastal Water Research Project (SCCWRP). At the outset, it's important to recognize that the ROMS/BEC model that SCCWRP has been developing now over a number of years is neither the first of its kind nor the only ROMS/BEC type of model in existence, and there is abundant prior art that can be brought to bear in the technical evaluation being proposed. From a wastewater management perspective, the primary objective of this proposed work is to assess the efficacy of public proclamations being made by SCCWRP that the ROMS/BEC model predictions prove that anthropogenic emissions, (in particular, discharges from municipal ocean outfalls), are causing eutrophication of coastal waters in Southern California that spawn algal blooms and ultimately result in end-stage ocean acidification and hypoxia (OAH). SCCWRP's publicly stated objective of its ROMS/BEC modeling research program is to drive important management decisions from the State Water Board level on down to the Regional Water Board level, (Sutula, 2021), an objective that would have direct consequences for SOCWA. However, for resource agency managers and policy makers to confidently use the results of SCCWRP's ROMS/BEC model, uncertainty in modeled results must at least be smaller than the change in the model's ability to predict what incremental impact is attributable to anthropogenic nutrients.

Scope of Work:

The proposed technical analysis will consist of the following four (4) tasks to be completed within the present fiscal year ending 30 June 2022:

Task 1 - Literature Review and Updated Status of SCCWRP's ROMS/BEC Model:

To evaluate changes in the developmental status of the ROMS/BEC that has occurred since MBI's previous review (Jenkins, 2020), this task will review and evaluate new SCCWRP presentations and publications that have occurred in 2021 and 2022. This will include ROMS/BEC development updates detailed in Sutula et al., (2021), and Kessouri, et al., (2021); the latter being the first peer-reviewed publication to emerge

from SCCWRP's ROMS/BEC development effort. The development update evaluation will also include a review of the slides and transcript of SCCWRP's presentation to the San Diego Regional Water Quality Control Board on 9 June 2022, cf. Sutula, (2022). An important assessment under Task 1 updates will be determining the number of free parameters utilized by the present version of SCCWRP's ROMS/BEC model. This is an important input to Task 2 validation and error assessment.

SCCWRP's developmental updates will also be compared to recent publications by other modeling experts who have been independently developing their own ROMS/BEC types of models, including, Dune, et al., (2021), Edwards, (2021), Friedrichs, et al., (2021), Siedlecki, et al., (2021), and most recently, Desmet, et al., (in press). In particular, the Task-1 literature review will contrast the causal factors of OAH reported by these independent investigators against SCCWRP's anthropogenic causal hypothesis. The objective of Task-1 is to assess whether the present architecture and error analysis of SCCWRP's ROMS/BEC has included the all of the critical processes and controlling variables that other independent investigators have discovered are involved in eutrophication of coastal waters, onset of algal blooms and episodic or end-stage ocean acidification and hypoxia (OAH).

Task 2 - Evaluate Validation and Error Analysis of SCCWRP's ROMS/BEC Model:

The 2021 research note published in the *Proceedings of the National Academy of Sciences* by six researchers employed by SCCWRP, (cf. Kessouri, et al., 2021) is the first published peer-reviewed work product to emerge from the SCCWRP development program of the ROMS/BEC. Kessouri, et al., 2021 claims that the ROMS/BEC model has validated against a *large collection* of physical and geophysical observations. Large is in the eye of the beholder, and the first issue that will be studied under Task 2 will be a determination of precisely how much ground truth data was used for ROMS/BEC validation in Kessouri, et al., 2021. This is an important determination, as Friedrichs, et al., 2021 reports that BEC models in general, perform with higher predictive skill when the amount of ground truth information is less. Furthermore, a large collection of data is not a sufficient condition for a model to be fully vetted and able to accurately quantify the effect of land-based nutrients on eutrophication. The resolution and sampling density of the data bases is a critical validation metric and the data bases from the Southern California Bight used in the Kessouri, et al., (2021) publication will be carefully studied for spatial and temporal aliasing, statistical stationarity, and the presence of gaps. Error propagation is another important aspect of model validation that must be carefully evaluated by means of sensitivity analyses. Since the ROMS/BEC is a process-based model, Task 2 will give special attention to *error propagation* that begins with measurement imprecision of the initial Southern California Bight background parameters utilized in Kessouri, et al., (2021) publication, and subsequently combines with uncertainty due to the temporal and spatial variability within the California Current System (CCS), and ultimately limits the predictive skill of the ROMS/BEC model. Temporal and spatial variability within the Southern California Bight will be assessed under Task 2 using independent archival Southern California Bight databases, e.g. CalCOFI (2108); SCCOOS, (2022). Edwards, et al., (2021) cites numerous examples of the growth of uncertainty in BEC predictions in proportion to the numbers of free parameters. The updated number of free parameters utilized by SCCWRP's current version of the ROMS/BEC model, (from Task 1), will be applied to the BEC error propagation curves from Edwards et al., (2021) to assess the probable uncertainty associated with free parameter assignments in Kessouri, et al., (2021). The efficacy of methods and

practices invoked for ROMS/BEC validation will be critically evaluated and compared against methods, practices and standards adopted by other independent investigators, (e.g., Dune, et al., 2021; Edwards, 2021; Friedrichs, et al., 2021; Siedlecki, et al., 2021). The central objective of Task 2 is to assess whether the inherent uncertainty in ROMS/BEC predictions (beginning with uncertainty in data inputs) have been marginalized in SCCWRP public statements.

Task 3 - Null-Hypothesis Analysis of ROMS/BEC:

A technical analysis will be conducted on what the ROMS/BEC model *cannot do*. A common practice in the theory of statistical significance is proving a given theory is true by quantifying the null hypothesis with a statistic referred to as p-value. SCCWRP's anthropogenic ocean acidification and hypoxia (OAH) theory is that discharges from municipal outfalls cause eutrophication of coastal waters, pawn algal blooms and ultimately result in end-stage OAH. The null hypothesis is that this theory is false, in which case the p-value > 0.05. The strongest support for the null hypothesis in the peer-reviewed scientific literature is found in the recent work of Desmet, et al., (in press). They utilize high-resolution ROMS/BEC model to identify and track OAH extremes in the Northeast Pacific and the California Current System (CCS) between 1984 and 2019. Over that 35-year historic period they found more than 22,000 OAH events in ROMS/BEC simulations that occur at least once in the upper 100 m of the water column, with broad distributions in terms of size, duration, volume and intensity, that can be classified as three (3) geophysical/geochemical types within the CCS:

- 1) Near the coast, intense, shallow, and short-lasting OAH events dominate, caused by strong upwelling.
- 2) Large and long-lasting OAH events that are associated with westward propagating cyclonic eddies. They account for only 3% of all OAH extremes, but are the most severe events.
- 3) Small extremes at depth arising from pycnocline heave.

None of these OAH events reported in Desmet, et al., (in press) were attributed to discharges from municipal ocean outfalls, and consequently the p-value > 0.05 and the SCCWRP's anthropogenic OAH theory finds no support from independent investigators using a ROMS/BEC model. Moreover, the type-1 OAH event arising from shallow-water coastal upwelling is consistent with the findings of Siedlecki et al., (2021) who related the summertime hypoxia to the die-off of plankton blooms that were spawned by nutrification from coastal upwelling. SCCWRP dismisses upwelling as the principal nutrient source and dominant causal factor of hypoxia, instead, advocating anthropogenic causation due to discharges from point-source ocean outfalls. Task 3 will carefully evaluate Desmet, et al., (in press) manuscript to determine the precise p-value of the SCCWRP's anthropogenic OAH theory using their ROMS/BEC results, as well as discover similarities and differences in the architecture of their ROMS/BEC versus the current SCCWRP version of ROMS/BEC. In addition Task 3 will utilize gridding and model details from the Kessouri, et al., (2021) publication, combined with ROMS/BEC updates from Task 1 to prove that SCCWRP's version of ROMS/BEC has neither the resolution or physics to track discharge plumes and nitrates from municipal ocean outfalls. The central objective of Task 3 effort is to assess whether SCCWRP public statements have overstated ROMS/BEC predictive capabilities.

Task 4 – Beta Test of ROMS/BEC Source Code:

Task 4 has two (2) central objectives, which are:

- 1) Assess whether the SCCWRP version of a ROMS/BEC model used in the Kessouri, et al., (2021) publication will actually predict eutrophication of coastal waters, subsequent onset of algal blooms and end-stage ocean acidification and hypoxia (OAH) as a result of municipal ocean outfall discharges, as claimed by SCCWRP in public statements; and
- 2) Perform error propagation and sensitivity analyses with the SCCWRP version of a ROMS/BEC model to independently assess the uncertainty of its predictions.

This task will be performed on a best efforts basis depending on the availability of executable source code of the SCCWRP version of a ROMS/BEC model and access to its Southern California Bight databases. Access to the ROMS/BEC source code and supporting databases is assumed to be available through the following links:

- ROMS-BEC oceanic physical and biogeochemical model code for the Southern California Current System V2020: <https://zenodo.org/record/3988618#.Yio15-jMJnl>
- Monitoring Data in the SoCal Bight: <https://zenodo.org/record/3988574#.Yio3AOjMJnl>,
- Terrestrial Freshwater Nitrogen Fluxes to Southern California Bight: <https://zenodo.org/record/4448224#.Yio3HejMJnl>
- ROMS-BEC use of TRACEX: <https://github.com/fDesmet/TRACEX>

Task 5 - Draft and Final Reports:

Michael Baker will prepare findings of the study in a draft technical report to be prepared and submitted on or before 22 June 2022. Michael Baker will prepare and submit the final report 14 days after comments on the draft report are received from SOCWA. This task includes two (2) meetings to discuss draft and final reports.

Fee Schedule:

➤ **Task 1 - Literature Review and Updated Status of SCCWRP's ROMS/BEC Model:**

Labor:

Makrom Shatila, P.E., PM (QA/QC): 6 hrs @ \$210/hr = \$1,260

Scott Jenkins, Ph.D., Technical Manager: 22 hrs @ \$270/hr = \$5,940

Total Task 1 Cost: = \$7,200

➤ **Task 2 - Evaluate Validation and Error Analysis of SCCWRP's ROMS/BEC Model:**

Labor:

Makrom Shatila, P.E., PM (QA/QC): 6 hrs @ \$210/hr = \$1,260

Scott Jenkins, Ph.D., Technical Manager: 24 hrs @ \$270/hr = \$6,480

Total Task 2 Cost: = \$7,740

➤ **Task 3 - Null-Hypothesis Analysis of ROMS/BEC:**

Labor:

Makrom Shatila, P.E., PM (QA/QC): 6 hrs @ \$210/hr = \$1,260

Scott Jenkins, Ph.D., Technical Manager: 24 hrs @ \$270/hr = \$6,480

Total Task 3 Cost: = \$7,740

➤ **Task 4 - Beta-Test of ROMS/BEC Source Code:**

Labor:

Makrom Shatila, P.E., PM (QA/QC): 6 hrs @ \$210/hr = \$1,260

Scott Jenkins, Ph.D., Technical Manager: 40 hrs @ \$270/hr = \$10,800

Total Task 4 Cost: = \$12,060

➤ **Task 5 - Draft and Final Report:**

Labor:

Makrom Shatila, P.E., PM (QA/QC): 20 hrs @ \$210/hr = \$4,200

Scott Jenkins, Ph.D., Technical Manager: 40 hrs @ \$270/hr = \$10,800

Total Task 5 Cost: = \$15,000

ODC (Travel / Repro): = \$250

TOTAL PROJECT COST: \$49,990

References Cited:

CalCOFI, 2018, "California Cooperative Oceanic Fisheries Investigation", Southern California Coastal Ocean Observation System, SCOOS Data: <http://www.calcofi.org/data/sccoos/sccoos-data.html>

Desmet, F., Gruber, N., Khn, E., Mnnich, M., and M. Vogt, in press "Tracking the space-time evolution of ocean acidification extremes in the California Current System and Northeast Pacific", *Jour. Geophys. Res., Oc.*, 64 pp.

Dune, J., et. al., 2021, "Uncertainties in Global Projection of Biogeochemical Change on the U.S. West Coast", SCCWRP Modeling Uncertainty Webinar #4, 5 May, 2021, 35 pp.

Edwards, C., et. al., 2021, "Quantifying Error Propagation in the BEC and Other Complex Multi-Process Models", SCCWRP Modeling Uncertainty Webinar #2, 21 April, 2021, 26 pp.

Friedrichs, M., et. al., 2021, "Quantifying and Communicating Model Uncertainty: A Chesapeake Bay Case Study", SCCWRP Modeling Uncertainty Webinar #1, 15 April, 2021, 29 pp.

Jenkins, S., A., 2020, "SCCWRP Implementation of the ROMS/BEC Modeling System for Ocean Acidification/Hypoxia Assessments in the Southern California Bight", submitted to South Orange County Wastewater Authority, submitted by Michael Baker Intl., 6 August, 2020, 23 pp.

Jenkins, S. A., 2021, "Peer Review Summary: SCCWRP Uncertainty in Numerical Model Applications to Manage Coastal Eutrophication", submitted to South Orange County Wastewater Authority, submitted by Michael Baker International, 28 May, 2021, 3 pp.

Kessouri, F., et al., 2021, "Coastal eutrophication drives acidification, oxygen loss, and ecosystem change in a major oceanic upwelling system", *Proceedings of the National Academy of Sciences*, Vol. 118 No. 21, 8 pp., <https://doi.org/10.1073/pnas.2018856118>.

SCOOS, 2022, "Southern California Coastal Ocean Observation System", <http://www.sccoos.org/data/hfrnet/>

Siedlecki, S., et. al., 2021, "Quantifying Error Propagation in the BEC and Other Complex Multi-Process Models" SCCWRP Modeling Uncertainty Webinar #3, April 28, 2021, 35 pp.

Sutula, M. et al. , 2021, "Approaches to Quantifying Uncertainty in Coastal Eutrophication Numerical Modeling: A Workshop Summary", SCCWRP Technical Report #1211, SFEI Publication #1042, 10 pp.

Sutula, M. et al. , 2022, "Modeling Environmental Drivers of Acidification and Hypoxia in the Southern California Bight", Presentation to the San Diego RWQCB, 25 pp.

Agenda Item

8.F.

Board of Directors Meeting

Meeting Date: June 2, 2022

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: General Manager's Status Report

ADMINISTRATION

Return to In Person Board Meetings

At the May 19, 2022, Board Budget Workshop, there was a discussion on options to resume meetings in person or continue with virtual meetings. Based on the discussion, the following options are available:

- 1) Continue virtual meetings based on findings every 30 days under AB361 or until AB361 expires.
- 2) Hold in-person meetings at off-site locations or at Member Agency facilities where and if space is available.
- 3) Allow for a hybrid approach with Committee/Special meetings to be held virtual and Regular Board meetings to be in person.
- 4) Return to hold Regular Board meetings at SOCWA Administration Boardroom, restricting in-person public attendance with in-person participation for Board Members and limited SOCWA Staff, and providing teleconferencing capabilities for the purpose of taking public comments during Oral Communications. For the "call in" public participation to work public comments would occur at a time certain, for example a window of time for an open phone line between 8:30 to 8:40 a.m. SOCWA's AVI System would allow for the public and agency staff to watch and hear the meeting via YouTube broadcast during the meeting.

Cal OES Request

SOCWA staff has submitted a preliminary response and damage cost estimate to the County as requested by Cal OES as related to the Coastal Fire.

ENVIRONMENTAL COMPLIANCE

Outfall Port Inspection

Monies have been budgeted to the capital budgets under Project ID 56221O-000 for the San Juan Creek Ocean Outfall and Project ID 54221O-000 Aliso Creek Ocean Outfall at \$35,000 per outfall. The monies were budgeted for required inspections at each outfall under the respective NPDES permits that became effective May 1, 2022. After the

effective date of the permit, SOCWA staff reached out to the previous inspection company for AUV inspection and triplicate velocity readings at each of the ports in alignment with previous work completed in June 2015. The bid received was double available monies for this work. Due to the sole source nature of this bid and exceedance of the budgeted monies, staff will release a request for proposal (RFP) to a broader set of firms to ascertain best available pricing for this work. It is expected that the RFP will be released by July 2022 with work to be completed FY22-23 with a potential budget adjustment due to increased pricing related to inflationary conditions.