

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](http://www.socwa.com).



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

**(Revised) AGENDA**

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

September 2, 2021  
8:30 a.m.

***Location: In Person Meeting at  
26880 Aliso Viejo Parkway  
Aliso Viejo, CA 92656***

***Teleconference Attendance:  
+1 669 900 6833  
ID: 831 5433 8454  
PASSCODE: 462045***

**MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS MEETING EITHER IN PERSON OR VIA TELECONFERENCE. DUE TO COVID SOCIAL DISTANCING PUBLIC SEATING WILL BE LIMITED.** MEMBER AGENCIES ARE REQUESTED TO LIMIT ATTENDANCE TO 1 ADDITIONAL STAFF OR REPRESENTATIVE IN ADDITION TO THE BOARD MEMBER OR ALTERNATE ASSIGNED TO ATTEND. THE PUBLIC AND ADDITIONAL ATTENDEES MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST **SEVENTY-TWO (72)** HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST **SEVENTY-TWO (72)** HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE 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.

**(REVISED) AGENDA**

- 1. CALL MEETING TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ORAL COMMUNICATIONS

*MEMBERS OF THE PUBLIC MAY ADDRESS THE BOARD REGARDING AN ITEM ON THE AGENDA OR MAY RESERVE THIS OPPORTUNITY DURING THE MEETING AT THE TIME THE ITEM IS DISCUSSED BY THE BOARD. THERE WILL BE A THREE-MINUTE LIMIT FOR PUBLIC COMMENTS.*

PAGE NO

4. CONSENT CALENDAR

- A. Minutes of Board Meeting .....1
  - Board of Directors Budget Workshop August 5, 2021

ACTION     The Board will be requested to approve subject Minutes as submitted.
- B. Minutes of Finance Committee Meeting ..... 7
  - Finance Committee Minutes June 15, 2021

ACTION     The Board of Directors will be requested to receive and file subject Minutes
- C. Minutes of Engineering Committee Meeting .....10
  - 1. Engineering Committee Minutes May 13, 2021
  - 2. Engineering Committee Minutes June 10, 2021

ACTION     The Board of Directors will be requested to receive and file subject Minutes as submitted
- D. Minutes of Engineering Committee /PC 2 Committee Joint Meeting .....16
  - Engineering Committee / PC 2 Joint Minutes July 13, 2021

ACTION     The PC 2 Board will be requested to approve subject Minutes as submitted, and the Board of Directors will be requested to receive and file subject Minutes as submitted
- E. Preliminary Financial Reports for the Fiscal Year Ended June 30, 2021 .....18

The reports included are as follows:

  - 1. Summary of Disbursements for June 2021 (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. Preliminary FY 2020-21 Fringe Pool and Fringe Rate (Exhibit E-5)

ACTION The Finance Committee recommends to the Board of Directors to ratify the June 2021 disbursements for the period from June 1, 2021, through June 30, 2021, totaling \$2,157,842 and to receive and file the June 2021 Financial Reports as submitted

F. Preliminary FY 2020-21 Cash Roll Forward as of June 30, 2021 .....37

ACTION The Finance Committee recommends to the Board of Directors to receive and file the Fiscal Year 2020-21 Cash Roll Forward as submitted

G. Actuarial Valuation Report on Retiree Health Program as of December 31, 2020.....52

ACTION The Finance Committee recommends to the Board of Directors to receive and file the report

H. Approval of PC 23 Budget Adjustment for Legal .....60

ACTION Information Item

I. PC 5 Budget Adjustment in the amount of \$24,000.....61

ACTION The PC 5 Member Agencies are requested to approve a budget adjustment in the amount of \$24,000 to cover staff costs related to NPDES permitting and to record a budget adjustment for these costs in the year end June 30, 2021 financials.

J. July 2021 Operations Reports.....62

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

ACTION The Board will be requested to receive and file the July 2021 Operations Reports as submitted

K. Rockwell TechConnect Support Agreement Renewal (via OneSource Distributors, Inc. \$51,411.21 [Project Committee 2, 15, and 17] .....105

ACTION Staff recommends the Board of Directors authorize the General Manager to execute the Rockwell TechConnect Support Agreement with OneSource Distributors, Inc. to renew SOCWA's SCADA system licenses in the amount of \$51,411.21

L. Capital Improvement Program Status Report .....108

ACTION Information Item

M. Capital Improvement Program Project Financial Status Report  
[Project Committees 2, 15, 17].....115

- ACTION The Engineering Committee recommends:
- to the PC-2 Board of Directors to approve Olsson Construction Change Orders 22 and 23 for \$510,256 for the JBL Package B Project; and
  - to the PC-15 Board of Directors to approve JR Filanc Change Orders 2 through 4 for \$24,649 for the CTP Export Sludge Force Main Replacement Project

N. Coastal Treatment Plant Export Sludge Force Main Replacement Project Services During Geotechnical Construction Change Order [Project Committees 15] .....132

- ACTION The Engineering Committee recommends to the PC 15 Board of Directors to approve the Ninyo & Moore change order in the amount of \$43,166 for a total revised contract amount of \$108,956 for the geotechnical services during construction for the Coastal Treatment Plant Export Sludge Force Main Replacement Project

O. Resolution No. 2021-06 Resolution of Commendation to Keith Bacon ..... 134

- ACTION Staff recommends to the Board of Directors to adopt Resolution No. 2021-06 and authorize Chairman Collings to sign the Commendation on behalf of the Board of Directors of the South Orange County Wastewater Authority

5. GENERAL MANAGER'S REPORTS

A. Small Capital JBL Digester Nos. 1 and 2 Manway Access Improvements  
[Project Committee 2] ..... 135

- ACTION SOCWA staff recommends:

1. Project Committee 2 establish a small capital project items budget of \$385,000 for Digester Nos. 1 and 2 Manway Access Improvements.
2. Project Committee 2 authorize the General Manager to award and execute contracts for the Digester Nos. 1 and 2 Manway Access Improvements Project for the four (4) work elements, including the Manway Cutouts, Manway Frames and Covers Fabrication, Manway Installation and Grouting, and Digester Internal Coating Repairs, as follows:
  - a) Manway Cutouts, Engineering Estimate \$24,000 each (\$48,000 total)
  - b) Manway Frames and Covers Fabrication, Engineering Estimate \$51,000 each (\$102,000 total)
  - c) Manway Installation and Grouting, Engineering Estimate \$105,000 each (\$210,000 total)
  - d) Digester Internal Coating Repairs, Engineering Estimate \$12,500 each (\$25,000 total)

B. Board Workshop ..... 139

1. Report of Ad Hoc Committee on Wastewater Alternatives
2. General Counsels Reports
  - Update on JPA Revision Process
3. IRWD Update on Withdrawal Request & Presentation
  - Attachments submitted to SOCWA for consideration (IRWD will provide an overview of the proposal)
4. SOCWA General Counsel Comments

ACTION Information item; Comments / Discussion

C. General Manager’s Status Report and Regional Updates ..... 154

ACTION Information item, Board Q&A

D. SOCWA General Counsel / CASA Items of Interest for SOCWA (verbal report)

ACTION Information item, Board Q&A

6. CLOSED SESSION

- A. A Closed Session Conference with Legal Counsel Anticipated Litigation
  - Significant exposure to litigation pursuant to Government Code Section § 54956.9(d)(2): 1 matter

- B. Report out of Closed Session

7. OTHER MATTERS

Open discussion or items received too late to be agendized.

Note: Determine the need to take action on the following item(s) introduced by the General Manager which arose subsequent to the agenda being posted.

[Adoption of this action requires a two-thirds vote of the Board, or if less than two-thirds are present a unanimous vote.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING  
OCTOBER 7, 2021

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

**DRAFT**

**August 5, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on August 5, 2021, at 8:30 a.m. from their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present via Zoom Meeting:

DAN FERONS	Santa Margarita Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
KATHRYN FRESHLEY	El Toro Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
DAVE REBENDS DORF	City of San Clemente	Director [arrived @ 8:44 a.m.]
SCOTT GOLDMAN	South Coast Water District	Director [arrived @ 8:34 a.m.]
HOWARD HART	City of San Juan Capistrano	Alternate Director

**Absent:**

MATT COLLINGS	Moulton Niguel Water District	Director
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**Staff Present:**

BETTY BURNETT	General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
JASON MANNING	Director of Engineering
AMBER BAYLOR	Director of Environmental Compliance
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTANTIN SHILKOV	Senior Accountant
JEANETTE COTINOLA	Procurement/Contracts Administrator
KATIE GREENWOOD	Source Control Manager
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

**Also Present:**

ADRIANA OCHOA	Procopio Law Firm	
TRACIE STENDER	Procopio Law Firm	
DENNIS CAFFERTY	El Toro Water District	
JASON HAYDEN	El Toro Water District	
TREVOR AGRELIUS	Moulton Niguel Water District	
*DON FROELICH	Moulton Niguel Water District	Alternate Director
RICK SHINTAKU	South Coast Water District	
MARC SERNA	South Coast Water District	
KAY HAVENS	El Toro Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	
PAM ARENDS-KING	South Coast Water District	
JOE McDIVITT	South Coast Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	
DON BUNTS	Santa Margarita Water District	

1. CALL TO ORDER

Vice Chair Collings called the meeting to order at 8:32 a.m. and requested a roll call.

For the record, the following Members are present at the time of roll call:

KATHRYN FRESHLEY	El Toro Water District	Director
DOUG REINHART	Irvine Ranch Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
DAN FERONS	Santa Margarita Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
HOWARD HART	City of San Juan Capistrano	Alternate Director
MIKE DUNBAR	Emerald Bay Service District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director

2. PLEDGE OF ALLEGIANCE – Director Mike Dunbar

3. ORAL COMMUNICATIONS

None

4. CONSENT CALENDAR

Agenda items 4a: Board Minutes of June 3, 2021, and item 4i: Capital Improvement Program Project Financial Status and Change orders were pulled for corrections.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Iseman to approve the remainder of the Consent Calendar Agenda items 4a Board Minutes for May 20, 2021 through 4h as submitted.

Motion carried:	Aye 8, Nay 0, Abstained 0, Absent 2
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	*Director Collings Absent
	Director Reinhart Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye
	Director Rebensdorf Absent

**\*Note:** Alternate Director Froelich announced he is filling in for Director Collings after the roll call vote had already been taken on the remaining agenda items of the Consent Calendar that had not been pulled.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Goldman to approve Agenda item 4a Board Minutes for June 3, 2021, and 4i as corrected.

Motion carried:	Aye 9, Nay 0, Abstained 0, Absent 1
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye

Director Froelich	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Absent

5. ENGINEERING MATTERS

A. Coastal Treatment Plant Export Sludge Forcemain June 10, 2021 Spill Update  
[Project Committee 15]

Mr. Manning updated the Board on the sewer spill that occurred at the jobsite on June 10, 2021. An open discussion ensued.

Director Reinhart request that all Board Members be notified of any spills that occur regardless of the Project Committee.

This was an information item; no action taken.

B. J.B. Latham Package B Construction Schedule Update [Project Committee 2]

Mr. Manning gave an update status report on the J.B. Latham Package B Construction Schedule. He stated SOCWA O&M and Engineering staff met with Butier Engineering and Olsson Construction on July 20, 2021, to discuss and identify the project schedule and risks that might impact the schedule. An open discussion ensued.

This was an information item; no action taken.

6. GENERAL MANAGER’S REPORTS

A. Actuarial Valuation Report on Retiree Health Program as of December 31, 2020

Ms. Carey reported on the Actuarial Valuation Report on Retiree Health Program as of December 31, 2020, as per the presentation shown on pages 182 thru 204 of the agenda packet. She noted the same presentation was previously presented to the Finance Committee in June 2021. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Freshley to receive and file the report.

Motion carried:	Aye 8, Nay 0, Abstained 2, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Froelich Abstain
	Director Reinhart Abstain
	Director Iseman Aye
	Director Ferons Aye
	Director Goldman Aye
	Director Hart Aye
	Director Rebensdorf Aye



B. Copier/Printer Agreement

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to authorize the General Manager to negotiate an agreement on the referenced terms with MRC, A Xerox Company, for Copier and Printer Services for a sixty-month period.

Motion carried: Aye 10, Nay 0, Abstained 0, Absent 0

Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Aye
Director Froelich	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Goldman	Aye
Director Hart	Aye
Director Rebensdorf	Aye

C. Contract Award to Mariposa Landscapes, Inc for Landscaping Services

Director Goldman requested the cost be broken out by Member Agency.

ACTION TAKEN

Motion was made by Director Goldman and seconded by Director Dunbar for PC 15 & 17, and Seconded by Director Ferons for PC 2 as Director Dunbar is not a PC 2 Member to award a contract to Mariposa Landscapes, Inc. for (1) year, with up to 4 annual optional renewals, for the following services and fees:

Service Area	Service Description	Service Fee
CTP Plant	Monthly Fee for Weekly Services	\$2,929.00
CTP Access Road Area 1	Per mowing event	\$461.80
CTP Access Road Area 2	Per mowing event	\$706.97
CTP Access Road Area 3	Per mowing event	\$523.09
CTP Access Road Area 4	Per mowing event	\$768.26
RTP Plant	Monthly Fee for Weekly Services	\$7,322.50
JBL Plant	Monthly Fee for Weekly Services	\$4,393.50

Motion Carried:

Aye 4, Nay 0, Abstained 0, Absent 0

PC 2	
Director Hart	Aye
Director Froelich	Aye
Director Goldman	Aye
Director Ferons	Aye

Aye 3, Nay 0, Abstained 1, Absent 0

PC 15	
Director Iseman	Aye
Director Dunbar	Aye
Director Froelich	Abstain
Director Goldman	Aye

Aye 5, Nay 0, Abstained 0, Absent 0

PC 17	
Director Iseman	Aye
Director Freshley	Aye
Director Dunbar	Aye
Director Froelich	Aye
Director Goldman	Aye

- D. Small Capital Wemco 6X6 Model C Pump Purchase from Flo-Systems, Inc. for \$53,821.13 (plus shipping) [Project Committee 17]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Freshley to authorize the General Manager to purchase a Wemco 6X6 Model C Pump from Flo-Systems, Inc. at the cost of \$53,821.13, including additional shipping costs that will be determined at the time the units are shipped.

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

- E. General Manager’s Status Report

Ms. Burnett reported the SCAP (Southern California Association of POTW’s) Semi Annual Committee reports were included in the agenda packet starting on page 229. She noted the report is a great source to get a summary of all of the regulatory action that happens around wastewater treatment. Ms. Burnett also reported that SOCWA has been part of the Laboratory Practices Committee Newsletter for the Water Environment Federation that can be found on page 221 of the agenda packet. She stated there were several photos of the different parts of the facility improvements Operations staff have been working. She noted the picture on page 218 is of a pump being dropped into place by crane.

Ms. Burnett stated in the first paragraph of the GM report on page 212, to inform the Board that staff is in preparation of returning to in-person meetings at the next Board meeting in September. She noted this is consistent with the State guidance that all unvaccinated persons will be required to wear masks when in attendance. She also stated in-person attendance is encouraged as the Ad Hoc Committee is working to give a presentation on services options, and an update will be provided on the JPA Revision Work and the IRWD withdrawal request at the September Board Meeting. An open discussion ensued.

At the Direction of the Vice Chair, the Executive Committee will hold a meeting to discuss whether to hold an in-person meeting in September or wait until the Board meets again in October.

This was an information item; no action was taken.

The Board convened to Closed Session at 10:14 a.m.

The Board reconvened to Open Session at 11:00 a.m.

7. CLOSED SESSION

A Closed Session was held to discuss with Legal Counsel Anticipated Litigation - Significant exposure to litigation pursuant to Government Code Section § 54956.9(d)(2): 1 matter.

There were no reportable actions out of Closed Session.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 11:00 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 August 5, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

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

**Finance Committee**

**June 15, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on June 15, 2021 at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Teams Meeting:

DAN FERONS	Santa Margarita Water District	Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director [arrived @ 10:34 a.m.]

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
TONI ISEMAN	City of Laguna Beach	Director

Staff Participation:

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

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
KATHRYN FRESHLEY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
SHERRY WANNINGER	Moulton Niguel Water District
GAVIN CURRAN	City of Laguna Beach
JASON HAYDEN	El Toro Water District

**1. Call Meeting to Order**

Chairman Ferons called the meeting to order at 10:30 a.m.

**2. Public Comments**

None

**3. Approval of Minutes**

- Finance Committee Meeting of April 20, 2021
- Finance Committee Meeting of May 6, 2021

**ACTION TAKEN**

Motion was made by Director Collings and seconded by Director Cafferty to approve Finance Committee Meeting Minutes for April 20, 2021, and May 6, 2021 as submitted.

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 2
	Director Ferons           Aye
	Director Iseman         Absent
	Director Farias         Absent
	Director Cafferty       Aye
	Director Collings       Aye
	Director Goldman       Abstain

**4. Financial Reports for the Month of April 2021**

**ACTION TAKEN**

Motion was made by Director Cafferty and seconded by Director Collings to recommend to the Board of Directors to ratify the April 2021 disbursements for the period of April 1 through April 30, 2021, totaling \$4,246,299, and to receive and file the April 2021 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Ferons           Aye
	Director Iseman         Absent
	Director Farias         Absent
	Director Cafferty       Aye
	Director Collings       Aye
	Director Goldman       Aye

**5. Financial Reports for the Month of May 2021**

**ACTION TAKEN**

Motion was made by Director Collings and seconded by Director Cafferty to recommend to the Board of Directors to ratify the May 2021 disbursements for the period of May 1 through May 31, 2021, totaling \$3,146,986, and to receive and file the May 2021 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Ferons           Aye
	Director Iseman         Absent
	Director Farias         Absent
	Director Cafferty       Aye
	Director Collings       Aye
	Director Goldman       Aye

**6. OPEB Actuarial Valuation Report as of December 30, 2020**

Ms. Carey gave a presentation on the OPEB Actuarial Valuation Report as of December 30, 2020. She stated the valuation is for the total OPEB retiree health benefit totaling \$12,696,910. She noted employees hired before July 2017 will receive full retiree benefits upon retirement. Whereas employees hired after July 2017 will only receive the minimum payments towards retiree health. Ms. Carey also stated the normal cost of current year accrual is \$223,228. An open discussion ensued.

This was an information item; no action taken.

**7. Preparation for The Close of The Fiscal Year**

Ms. Carey updated the Committee on the work in progress in preparation for the interim audit that begins July 12, 2021. She noted the valuation report previously discussed provides base information for the GASB 75 reporting. She also stated the finance team is working with each department head to determine the work that's been completed and working with vendors and suppliers on submitting invoices prior to the cut-off date. An open discussion ensued.

This was an information item; no action taken.

**Other Matters**

Ms. Burnett reported on a sewer spill that occurred at the site of the Export Forcemain Project. She noted the spill was contained and the cleanup went well. She also thanked the South Coast crew for providing Vector trucks, and Filanc who was already on sites working when the incident occurred. Ms. Burnett thanked Director Collings and the Moulton staff for their assistance on the prior spill as this was the second spill at the site.

Ms. Ochoa reported the Governor issued an Executive Order on June 11 regarding virtual Board Meetings. Ms. Ochoa noted the order essentially stated that virtual Board Meetings will expire on September 30<sup>th</sup>.

**Adjournment**

There being no further business, Chairman Ferons adjourned the meeting at 11:15 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Finance Committee of June 15, 2021 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

**May 13, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on May 13, 2021, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Teams Meeting:

DAVID SHISSLER	City of Laguna Beach
MIKE MARQUIS	City of San Juan Capistrano
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
DENNIS CAFFERTY	El Toro Water District
KEVIN BURTON	Irvine Ranch Water District
MIKE DUNBAR	Emerald Bay Services District

Staff Present:

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

Also Present:

TARYN KJOLSING	South Coast Water District
JESUS GARIBAY	Moulton Niguel Water District
DEBBIE MARTIN	TRC

**1. Call Meeting to Order**

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

**2. Public Comments**

None

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**3. Approval of Minutes**

• **Engineering Committee Meeting of April 8, 2021**

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

**4. Operations Status Report**

Mr. Burror reported on the recent spill that occurred at the Sludge Force Main between the Coastal and Regional Treatment Plants. He noted the spill was a little over 400 gallons and had not infiltrated any of the water ways including the ocean. He thanked the Moulton Niguel Water District staff for their assistance in the matter. Mr. Burror also stated the repairs were made and the line was back in service. He also stated reports to the Health Department and the Regional Board are forthcoming. An open discussion ensued.

This was an information item; no action was taken.

**5. Capital Improvement Construction Projects Report**

There was consensus from the PC 2 Engineering Committee members to recommend to the PC 2 Board to approve Change Orders 19 through 21 for a total of \$134,453 for the J.B. Latham Package B Project.

There was consensus from the PC 15 Engineering Committee members with one (1) absent and (1) abstention to recommend to the PC 15 Board to approve Change Order 1 for \$5,690 for the CTP Sludge Force Main, and Change Orders 22 through 24 for \$14,394 for the CTP Facility Improvements Project. Moulton Niguel Water District abstained, and Emerald Bay Service District was absent.

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

There was consensus from the PC 2 Engineering Committee members to recommend to the PC 2 Board to approve the contract amendment to Carollo in the Amount of \$227,617 for a total revised contract amount of \$1,074,145 for the engineering services for the J.B. Latham Package B Project.

**7. Contract Amendment for the J.B. Latham Treatment Plant Package B Construction Management Services [Project Committee 2]**

There was consensus from the PC 2 Engineering Committee to recommend to the PC 2 Board to approve the contract amendment to Butier in the amount of \$290,156 for a total revised contract amount of \$1,185,883 for the construction management services for the J.B. Latham Package B Project.

**8. J.B. Latham Treatment Plant Electrical System Evaluation Additional Design Services [Project Committee 2]**

Ms. Young gave a presentation on the construction status, project schedule and budget update. An open discussion ensued.

This was an information item; no action was taken.



**9. Coastal Treatment Plant Aeration Diffuser Purchase [Project Committee 15]**

Mr. Manning stated at the PC-15 Board meeting staff requested consent to purchasing and installing new Aeration Diffusers at the Coastal Treatment Plant. He noted the plant currently has Parkson Panels that are no longer supported by the manufacturer and replacement diffusers are needed to maintain operation of the biological process and maintain quality effluent for recycled water. An open discussion ensued.

There was consensus from the PC 15 Engineering Committee members with one (1) absent and (1) abstention supporting the recommendation to the PC 15 Board to authorize purchasing the Aeration Diffusers. Moulton Niguel Water District abstained, and Emerald Bay Service District was absent.

**Adjournment**

There being no further business, Mr. Manning adjourned the meeting at 10:07 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 May 13, 2021 and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

**June 10, 2021**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on June 10, 2021, at 8:30 a.m. via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present via Teams Meeting:

DAVID SHISSLER	City of Laguna Beach
MIKE MARQUIS	City of San Juan Capistrano
MIKE DUNBAR	Emerald Bay Service District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
TARYN KJOLSING	South Coast Water District

Absent:

DAVE REBENS DORF	City of San Clemente
DENNIS CAFFERTY	El Toro Water District
KEVIN BURTON	Irvine Ranch Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

Staff Present:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
DAVID BARANOWSKI	Senior Engineer
JEANETTE COTINOLA	Procurement/Contracts Administrator
MATT CLARKE	IT Administrator

Also Present:

JESUS GARIBAY	Moulton Niguel Water District
CHRIS NEWTON	South Coast Water District
SHERRY WANNINGER	Moulton Niguel Water District

**1. Call Meeting to Order**

Mr. Manning, Director of Engineering called the meeting to order at 8:34 a.m.

**2. Public Comments**

Mr. Dunbar noted his concerns for the increased amount of change orders on construction projects. He requested this topic to be agendaized at the next Engineering Committee meeting to discuss working on how to reduce changes in the design phase of the projects scope to minimize costs impacts during construction. An open discussion ensued.

**3. Approval of Minutes**

- Engineering Committee Meeting of April 8, 2021

**ACTION TAKEN**

Motion was made by Mr. Woods seconded by Mr. Dunbar to approve the Engineering Committee Minutes of April 8, 2021 as submitted.

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

**4. Operations Status Report**

Mr. Burror reported on several projects occurring within Operations. He stated there is significant increases in pricing relating to contract renewals. He stated member agencies who are impacted will be notified once the information is finalized. Mr. Burror shared a photo of tile replacement work occurring in the Administration building lobby due to a slab leak. He also reported there is a tour scheduled for the JBL Plant on June 21<sup>st</sup> with members from South Coast Water District and El Toro Water District. He also reported on projects at the Regional Treatment and Coastal Treatment Plants. An open discussion ensued.

**5. Capital Improvement Construction Projects Report**

Mr. Manning reported on the Package B Project at JBL noting the project contingency was depleted on the solids side of the project and will be discussed in further detail under agenda Item 6. He also noted on page 9 of the agenda packet the change orders for Butier were on hold to get more accurate costs before presenting to the Board.

Mr. Baranowski reported on the progress of the Export Forcemain Replacement project stating the project is 50% completed through the construction of the pipeline at Station 82 of 164. He stated the contractor will continue the work on the remainder of the pipeline through the end of the year. Mr. Baranowski noted no findings or any issues to report to date on the project. Mr. Baranowski also gave a report on the Coastal Treatment Plant Facilities Improvement Project stating the project was near completion. He noted minor change orders due to some electrical work needed. An open discussion ensued.

Mr. Manning noted a correction on the total amount of the change orders from \$4,210 to \$7,210.

**ACTION TAKEN**

There was consensus amongst the PC-15 Engineering Committee to recommend to the PC-15 Board of Directors to approve Change Orders 25 and 26 for \$7,210 for the CTP Facility Improvements project.

Motion Carried:	Aye 3, Nay 0, Abstained 1, Absent 0
	David Shissler (CLB) Aye
	Mike Dunbar (EBSD) Aye
	Rod Woods (MNWD) Abstain
	Taryn Kjolsing (SCWD) Aye

**6. J.B. Latham Treatment Plant Package B Solids Contingency [Project Committee 2]**

Mr. Manning reported on the Package B Solids Contingency stating the funds for the contingency on the solids side of the project ran out. Mr. Manning stated as presented in the report in Table 1 on Page 2 that the project is essentially out of contingency for the solids portion of the project. He stated we would like to request a conservative contingency so that the remaining portions of the project are kept on track and moving forward. An open discussion ensued.

**ACTION TAKEN**

There was consensus amongst the PC-2 Engineering Committee to recommend to the PC-2 Board of Directors to approve the addition of \$985,000 of contingency to the J.B. Latham Package B Solids Project (3287-000) for a total Solids contingency of \$1,657,400.

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

**Adjournment**

There being no further business, Mr. Manning adjourned the meeting at 9.30 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 June 10, 2021 and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

**DRAFT**

**Engineering Committee / PC 2 Committee  
Joint Meeting**

**July 13, 2021**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee and Project Committee 2 Joint Meeting was held on July 13, 2021 at 8:30 a.m. – 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee, and Project Committee 2 were present via Zoom Meeting:

MATT COLLINGS	Moulton Niguel Water District	Director (PC 2)
SCOTT GOLDMAN	South Coast Water District	Director (PC 2)
DON BUNTS	Santa Margarita Water District	Alternate Director (PC 2)
ERIC BAUMAN	City of San Juan Capistrano	Engineering Committee
ROD WOODS	Moulton Niguel Water District	Engineering Committee
MARC SERNA	South Coast Water District	Engineering Committee

Absent:

SERGIO FARIAS	City of San Juan Capistrano	Director
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Staff Participation:

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

Also Participating:

BOB OHLUND	Dudek
MARK BUTIER	Butier Engineering, Inc.

**1. Call Meeting to Order**

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

**2. Public Comments**

None.

**3. J. B. Latham Treatment Plant Package B Solids Contingency [Project Committee 2]**

Mr. Manning gave a PowerPoint presentation on the J.B. Latham Package B Project construction update.

**ACTION TAKEN**

Motion was made by Director Bunts and seconded by Director Goldman to approve the addition of \$985,000 of contingency to the J.B. Latham Package B Solids Project (3287-000) for a total Solids contingency of \$1,657,400 and to increase the project budget by \$985,000 to 4,085,000 for FY 2021/22. Director Farias was absent.

Motion carried:      Aye 3, Nay 0, Abstained 0, Absent 1  
Director Collings      Aye  
Director Goldman      Aye  
Director Bunts      Aye  
Director Farias      Absent

**4. Contract Amendment for the J. B. Latham Treatment Plant Package B Construction Management Services [Project Committee 2]**

Mr. Manning reported on the construction management services project scope.

**ACTION TAKEN**

Motion was made by Director Goldman and seconded by Director Bunts to approve the contract amendment to Butier Engineering in the amount of 612,715 for a total revised contract amount of \$1,508,442 for the construction management services for the JG Latham Package B Project. Director Farias was absent.

Motion carried:      Aye 3, Nay 0, Abstained 0, Absent 1  
Director Collings      Aye  
Director Goldman      Aye  
Director Bunts      Aye  
Director Farias      Absent

**Adjournment**

There being no further business, Chairman Collings adjourned the meeting at 9:50 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Joint Meeting of the South Orange County Wastewater Authority Engineering Committee, and Project Committee 2 of July 13, 2021, and approved by the Project Committee No. 2, and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

# Agenda Item

# 4E

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Mary Carey, Finance Controller  
**SUBJECT:** Preliminary Financial Reports for the Fiscal Year Ended June 30, 2021

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## 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 June 2021 (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. Preliminary FY 2020-21 Fringe Pool and Fringe Rate (Exhibit E-5)

## Fiscal impact

June 2021 cash disbursements were: \$2,157,842.

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

**Recommended Action:** The Finance Committee recommends to the Board of Directors to ratify the June 2021 disbursements for the period from June 1, 2021, through June 30, 2021, totaling \$2,157,842, and to receive and file the June 2021 Financial Reports as submitted.

**South Orange County Wastewater Authority  
Summary of Disbursements for June 2021  
Staff Recommendation of Fiscal Matters**

	<u>Actual<sup>1</sup></u>
General Fund	\$ -
PC 2 - Jay B. Latham Plant	(528,364)
PC 5 - San Juan Creek Ocean Outfall	(9,651)
PC 8 - Pretreatment Program	(62,640)
PC 12 SO - Water Reclamation Permits	(89,621)
PC 15 - Coastal Treatment Plant/AWT	(434,639)
PC 17 - Joint Regional Wastewater Reclamation	(991,015)
PC 21 - Effluent Transmission Main	-
PC 24 - Aliso Creek Ocean Outfall	(41,913)
<b>Total</b>	<b><u><u>\$ (2,157,842)</u></u></b>

<sup>1</sup>Cash by Project Committee is preliminary; the distribution by Project Committee will be updated once the Cash Roll Forward and the Use Audit have been approved.



**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT  
as of June 30, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$	1,633,838
L.A.I.F. FUNDS: (BEGINNING BAL.)		16,202,065
DEPOSITS, TRANSFERS & ADJUSTMENTS: <sup>1</sup>		(479,071)
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION <sup>2</sup>		(2,157,842)
		(2,157,842)
<b>TOTAL CASH IN BANK</b>	<b>\$</b>	<b>15,198,990</b>

<sup>1</sup> Outstanding Items from prior month cleared the bank

<sup>2</sup> GL postings.

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

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

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

**Betty Burnett**  
**General Manager**

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



# PMIA/LAIF Performance Report as of 08/05/21



## PMIA Average Monthly Effective Yields<sup>(1)</sup>

Jul	0.221
Jun	0.262
May	0.315

## Quarterly Performance Quarter Ended 06/30/21

LAIF Apportionment Rate <sup>(2)</sup> :	0.33
LAIF Earnings Ratio <sup>(2)</sup> :	0.0000897371743018
LAIF Fair Value Factor <sup>(1)</sup> :	1.00008297
PMIA Daily <sup>(1)</sup> :	0.22%
PMIA Quarter to Date <sup>(1)</sup> :	0.30%
PMIA Average Life <sup>(1)</sup> :	291

## Pooled Money Investment Account Monthly Portfolio Composition <sup>(1)</sup> 06/30/21 \$193.3 billion

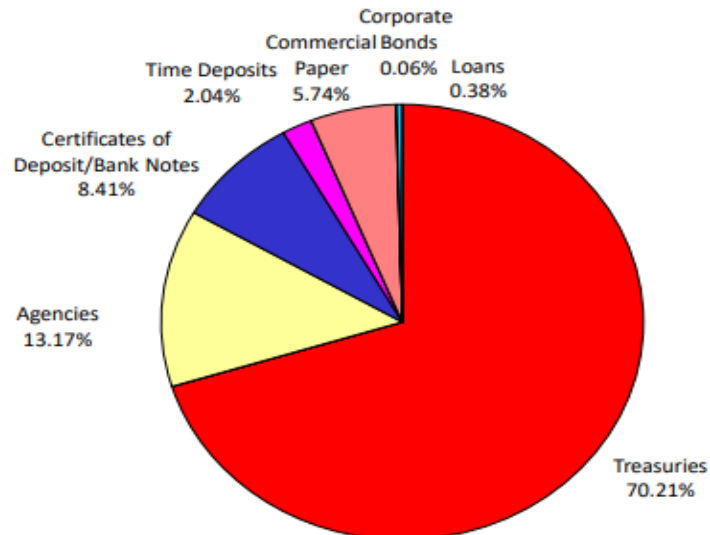


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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

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

**South Orange County Wastewater Authority  
Schedule of Cash and Investments  
as of June 30, 2021**

MVA	\$ 14,942	(A)
A/P Checking	1,148,733	(B)
Payroll Checking	108,250	(C)
State LAIF	13,927,065	(D)
<b>Total Cash in Bank</b>	<b>\$ 15,198,990</b>	
Petty Cash	1,600	(E)
<b>Total Operating Cash</b>	<b>\$ 15,200,590</b>	
OPEB Trust	6,657,222	(F)
<b>Total Cash and Investments</b>	<b>\$ 21,857,811</b>	

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 June 30, 2021  
(in dollars)  
PRELIMINARY**

<b>FY 2020-21 Budget vs. Actual Spending</b>								
<b>Description</b>	<b>Capital Budget</b>	<b><sup>1</sup>Fiscal Year Spending</b>	<b>(Over)/ Under Budget</b>	<b>% Expended</b>	<b>Member Agency Billed</b>	<b>Member Agency Collections</b>	<b>Open Receivables</b>	<b>% Expended vs. Billed</b>
PC 2-JB Latham	\$ 11,001,875	\$ 7,989,336	\$ 3,012,539	72.6%	\$ 6,653,978	\$ 6,653,978	\$ -	120.1%
PC 5-San Juan Creek Outfall	1,263,700	1,425,869	(162,169)	112.8%	1,263,700	1,263,700		112.8%
PC 15-Coastal	9,901,134	8,693,731	1,207,403	87.8%	3,750,000	3,750,000		231.8%
PC 17-Regional	2,673,023	2,564,895	108,128	96.0%	117,111	117,111		-
PC 21 Effluent Transmission	2,322,668	70,547	2,252,121	3.0%	100,000	100,000		70.5%
<sup>3</sup> PC 24 Aliso Creek Outfall	-	6,254	(6,254)	0.0%	-	-		-
<b>Total Large Capital</b>	<b>\$ 27,162,400</b>	<b>\$ 20,750,631</b>	<b>\$ 6,411,769</b>	<b>76.4%</b>	<b>\$ 11,884,789</b>	<b>\$ 11,884,789</b>	<b>\$ -</b>	<b>174.6%</b>
Non-Capital Engineering	1,161,634	85,100	1,076,534	7.3%	94,210	94,210		90.3%
Non-Capital Misc Engineering	75,000	2,517	72,483	3.4%	56,250	56,250		4.5%
Small Internal Capital	2,099,000	1,572,701	526,299	74.9%	2,099,000	2,099,000		74.9%
<b>Total Capital</b>	<b>\$ 30,498,034</b>	<b>\$ 22,410,949</b>	<b>\$ 8,087,085</b>	<b>73.5%</b>	<b>\$ 14,134,249</b>	<b>\$ 14,134,249</b>	<b>\$ -</b>	<b>158.6%</b>

<sup>1</sup> Fiscal Year Spending does not include spending on carryover projects from FY 2019-20 Budget; Small Capital and Non-Capital work delayed because of COVID 19:

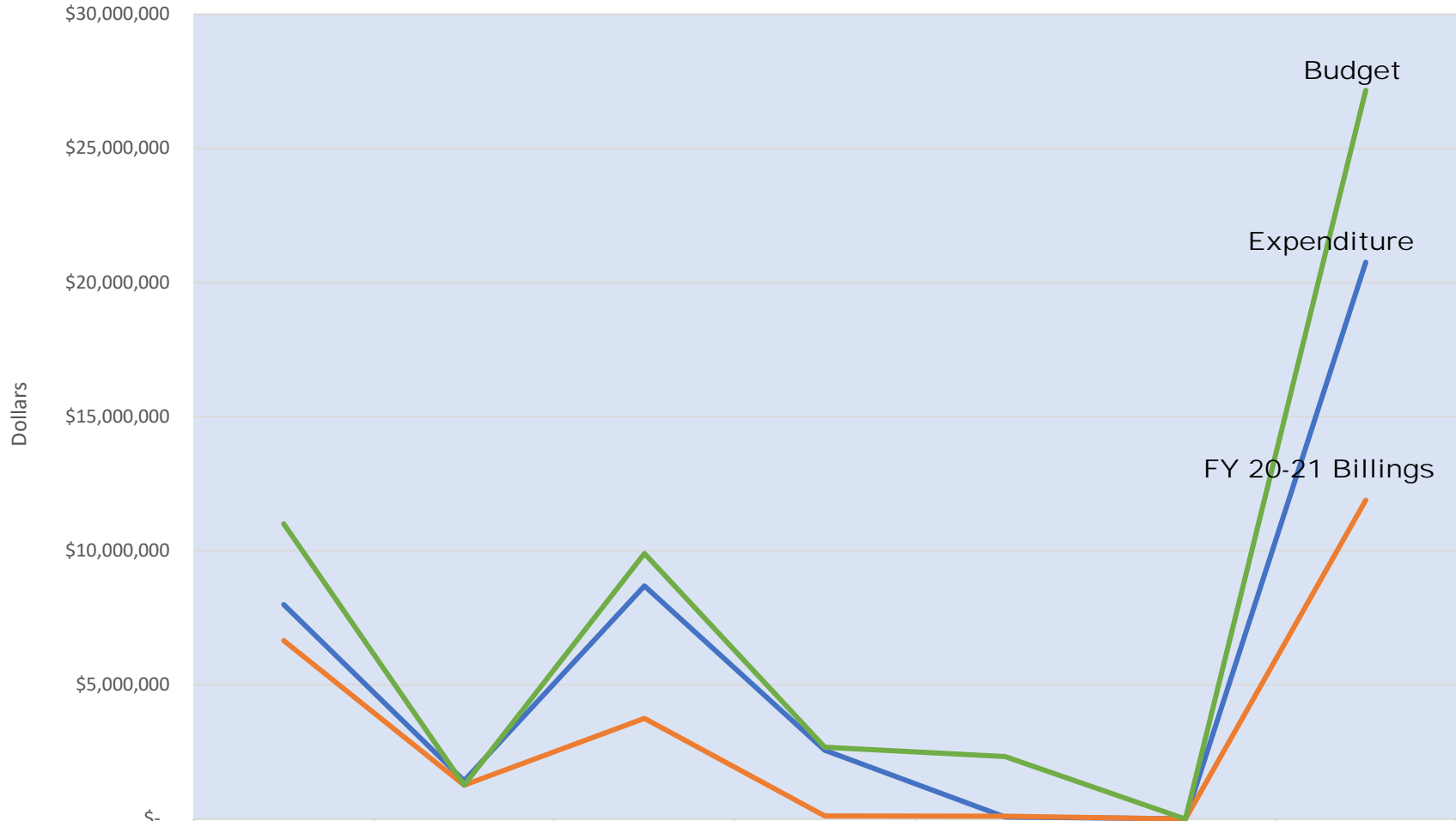
	<b>Carryover</b>	<b>YTD Spending</b>	<b>Balance<sup>2</sup></b>	<b>% Expended</b>
Non-Capital Engineering	\$369,508	\$166,066	\$203,442	44.9%
Non-Capital Misc Engineering	252,298	121,061	131,237	48.0%
Small Internal Capital	565,000	386,211	178,789	68.4%
	<b>\$1,186,806</b>	<b>\$673,337</b>	<b>\$513,469</b>	<b>56.7%</b>

<sup>2</sup> The carryover balance will be refunded in the Use Audit.

<sup>3</sup> PC 24 is paid out of Cash on Hand collected in an earlier year.

# Large Capital Projects Fiscal Year '20-21 Budget vs. Year-to-Date Expenditures & Billings as of 6/30/2021

Exhibit D-1



	PC 2-JB Latham	PC 5-San Juan Creek Outfall	PC 15-Coastal	PC 17-Regional	PC 21 Effluent Transmission	PC 24 Aliso Creek Outfall	Total Large Capital
Spent - YTD 6/30/21	\$7,989,336	\$1,425,869	\$8,693,731	\$2,564,895	70,546.72	\$6,254	\$20,750,631
FY 20-21 Billings	\$6,653,978	\$1,263,700	\$3,750,000	\$117,111	\$100,000	\$0	\$11,884,789
Capital Budget 20-21	\$11,001,875	\$1,263,700	\$9,901,134	\$2,673,023	\$2,322,668	-	\$27,162,400

**South Orange County Wastewater Authority  
O & M & Environmental Safety Costs Summary**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

	FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
<b>Salary and Fringe</b>							
**5000-****	4,510,604		4,510,604	4,354,638	155,966	96.5%	
**5001-****	128,700		128,700	111,541	17,159	86.7%	
**5306-****	33,964		33,964	71,967	(38,003)	211.9%	
**5315-****	12,168		12,168	15,082	(2,914)	123.9%	
**5401-****	2,374,488		2,374,488	2,359,764	14,724	99.4%	
**5700-****	67,608		67,608	67,860	(252)	100.4%	
	<b>Total Payroll Costs</b>		<b>7,127,532</b>	<b>6,980,852</b>	<b>146,680</b>	<b>97.9%</b>	
<b>Other Expenses</b>							
**5002-****	1,154,008		1,154,008	1,252,449	(98,441)	108.5%	(11)
**5003-****	234,532		234,532	254,349	(19,817)	108.4%	(12)
**5004-****	77,008		77,008	83,307	(6,299)	108.2%	(13)
**5005-****	(669,000)		(669,000)	(705,975)	36,975	105.5%	
**5006-****	479,900		479,900	490,689	(10,789)	102.2%	(14)
**5007-****	739,004		739,004	741,851	(2,847)	100.4%	
**5008-****	452,000	50,000	502,000	660,712	(158,712)	131.6%	(1)
**5009-****	114,996		114,996	90,428	24,568	78.6%	
**5010-****	2,996		2,996	426	2,570	14.2%	
**5011-****	40,580		40,580	27,308	13,272	67.3%	
**5012-****	124,996		124,996	127,842	(2,846)	102.3%	
**5013-****	206,004		206,004	232,315	(26,311)	112.8%	(2)
**5015-****	370,504	211,000	581,504	512,182	69,322	88.1%	
**5016-****	1,252		1,252	-	1,252	-	
**5017-****	32,355		32,355	71,684	(39,329)	221.6%	(3)
**5018-****	5,500		5,500	-	5,500	-	
**5019-****	256,012		256,012	266,837	(10,825)	104.2%	(8)
**5021-****	24,556		24,556	18,797	5,759	76.5%	
**5022-****	18,020		18,020	5,340	12,680	29.6%	
**5023-****	43,004		43,004	27,935	15,069	65.0%	
**5024-****	34,000		34,000	12,931	21,069	38.0%	
**5025-****	68,992		68,992	64,518	4,474	93.5%	
**5026-****	24,604		24,604	12,263	12,341	49.8%	
**5027-****	275,584		275,584	276,867	(1,283)	100.5%	
**5028-****	77,500		77,500	70,138	7,362	90.5%	
**5030-****	6,992		6,992	6,607	385	94.5%	
**5031-****	114,868		114,868	136,845	(21,977)	119.1%	(9)
**5032-****	7,004		7,004	876	6,128	12.5%	
**5033-****	2,504		2,504	3,531	(1,027)	141.0%	
**5034-****	32,316		32,316	2,190	30,126	6.8%	
**5035-****	40,664		40,664	12,690	27,974	31.2%	
**5036-****	100,152		100,152	134,557	(34,405)	134.4%	(10)
**5037-****	65,000		65,000	25,282	39,718	38.9%	
**5038-****	480,520		480,520	506,362	(25,842)	105.4%	(4)
**5039-****	23,772		23,772	10,182	13,590	42.8%	
**5044-****	44,004		44,004	40,565	3,439	92.2%	
**5046-****	40,004		40,004	63,594	(23,590)	159.0%	(5)
**5047-****	44,004		44,004	39,072	4,932	88.8%	
**5048-****	20,008		20,008	-	20,008	-	
**5049-****	1,429,996	50,000	1,479,996	1,465,691	14,305	99.0%	
**5050-****	22,008		22,008	3,545	18,463	16.1%	
**5052-****	94,004		94,004	103,927	(9,923)	110.6%	(6)
**5053-****	125,000		125,000	78,522	46,478	62.8%	
**5054-****	41,004		41,004	29,197	11,807	71.2%	
**5055-****	11,504		11,504	8,372	3,132	72.8%	
**5056-****	361,000		361,000	336,152	24,848	93.1%	
**5057-****	669,000		669,000	584,064	84,936	87.3%	
**5058-****	86,008		86,008	144,891	(58,883)	168.5%	(7)
**5059-****	960,000		960,000	725,616	234,384	75.6%	
**5060-****	75,000		75,000	71,943	3,057	95.9%	
**5061-****	3,548		3,548	1,940	1,608	54.7%	
**5067-****	70,000		70,000	-	70,000	-	
**5068-****	42,000		42,000	18,666	23,334	44.4%	
**5076-****	91,508		91,508	65,868	25,640	72.0%	
**5077-****	10,000		10,000	9,669	331	96.7%	
**5105-****	669,000		669,000	705,975	(36,975)	105.5%	
**5303-****	14,392		14,392	14,178	214	98.5%	
**5305-****	1,336		1,336	1,910	(574)	143.0%	
**5309-****	31,008		31,008	28,746	2,262	92.7%	
**5705-****	31,192		31,192	35,536	(4,344)	113.9%	
**5799-****	(14,000)		(14,000)	(11,459)	(2,541)	81.9%	
**5802-****	100		100	-	100	-	
**6241-****	-		-	606	(606)	-	
**6500-****	556,996		556,996	556,467	529	99.9%	
	<b>Total Other Expenses</b>	<b>311,000</b>	<b>10,903,323</b>	<b>10,557,564</b>	<b>345,759</b>	<b>96.8%</b>	
	<b>Total O&amp;M Expenses</b>	<b>311,000</b>	<b>18,030,855</b>	<b>17,538,416</b>	<b>492,439</b>	<b>97.3%</b>	

\* 11/05/2020 Board approved budget amendment for PC 12-Water Reclamation Permits, \$211,000, for Environmental Regulatory Requirements.  
\* 05/06/2021 Board approved budget amendment for PC 2-JB Latham, \$100,000, to cover unanticipated operating costs.

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs Summary**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

- (1) Odor levels increased in the collection system resulting in higher Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (2) Tree removals from emergency projects in response to Santa Ana Winds.
- (3) Regulatory Environmental requirements and Construction Agreements review.
- (4) Water Quality Fee increases.
- (5) Increased toxicity monitoring due to permit exceedances and PFAS Investigative Order requirements.
- (6) Janitorial services increased due to additional office disinfection and cleaning.
- (7) Emergency water line repairs completed at RTP, common repairs, and COVID 19 related air quality additions.
- (8) COVID 19 related expenses to support distancing for employees and contractors.
- (9) PPE costs related to safety equipment for new employees.
- (10) Additional supplies for new regulations and preparation for new NPDES Permit requirements.
- (11) Engine repairs and equipment overhauls required engine shutdowns and electricity purchases.
- (12) Additional natural gas was used during the overhaul of the gas scrubbing system at RTP.
- (13) Elevated odor levels increased the flushing water needed in the foul air scrubbers.
- (14) Higher than anticipated recycled water production.

**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

	FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
<b>02 - Jay B. Latham Plant</b>							
Salary and Fringe							
02-5000-**-***	Regular Salaries-O&M		1,518,048	1,555,662	(37,614)	102.5%	(1)
02-5001-**-***	Overtime Salaries-O&M		38,716	42,229	(3,513)	109.1%	(1)
02-5306-**-***	Scheduled Holiday Work		13,364	26,515	(13,151)	198.4%	(1)
02-5315-**-***	Comp Time - O&M		5,028	5,986	(958)	119.1%	(1)
02-5401-**-***	Fringe Benefits IN to PC's & Depts.		799,132	843,008	(43,876)	105.5%	
02-5700-**-***	Standby Pay		25,352	27,983	(2,631)	110.4%	
	Total Payroll Costs		2,399,640	2,501,384	(101,744)	104.2%	
Other Expenses							
02-5002-**-***	Electricity		547,004	483,236	63,768	88.3%	
02-5003-**-***	Natural Gas		121,036	125,268	(4,232)	103.5%	
02-5004-**-***	Potable & Reclaimed Water		24,004	26,356	(2,352)	109.8%	
02-5006-**-***	Chlorine/Sodium Hypochlorite		7,900	8,139	(239)	103.0%	
02-5007-**-***	Polymer Products		278,000	263,700	14,300	94.9%	
02-5008-**-***	Ferric Chloride	50,000	190,000	254,640	(64,640)	134.0%	(2)
02-5009-**-***	Odor Control Chemicals		21,000	20,825	175	99.2%	
02-5010-**-***	Other Chemicals - Misc.		1,000	-	1,000	-	
02-5011-**-***	Laboratory Services		12,500	6,972	5,528	55.8%	
02-5012-**-***	Grit Hauling		54,000	59,635	(5,635)	110.4%	(29)
02-5013-**-***	Landscaping		75,008	55,718	19,290	74.3%	
02-5015-**-***	Management Support Services		26,004	40,107	(14,103)	154.2%	(3)
02-5017-**-***	Legal Fees		3,095	4,811	(1,716)	155.5%	
02-5019-**-***	Contract Services Misc.		75,008	82,732	(7,724)	110.3%	(17)
02-5021-**-***	Small Vehicle Expense		11,000	7,468	3,532	67.9%	
02-5022-**-***	Miscellaneous Expense		8,000	3,009	4,991	37.6%	
02-5023-**-***	Office Supplies - All		28,000	12,095	15,905	43.2%	
02-5024-**-***	Petroleum Products		11,000	2,940	8,060	26.7%	
02-5025-**-***	Uniforms		32,992	31,168	1,824	94.5%	
02-5026-**-***	Small Vehicle Fuel		12,004	4,214	7,790	35.1%	
02-5027-**-***	Insurance - Property/Liability		89,920	93,599	(3,679)	104.1%	
02-5028-**-***	Small Tools & Supplies		37,004	31,189	5,815	84.3%	
02-5030-**-***	Trash Disposal		2,000	2,410	(410)	120.5%	
02-5031-**-***	Safety Program & Supplies		39,004	49,439	(10,435)	126.8%	(18)
02-5032-**-***	Equipment Rental		3,000	876	2,124	29.2%	
02-5033-**-***	Recruitment		1,000	2,346	(1,346)	234.6%	
02-5034-**-***	Travel Expense/Tech. Conferences		9,496	115	9,381	1.2%	
02-5035-**-***	Training Expense		12,808	3,210	9,598	25.1%	
02-5036-**-***	Laboratory Supplies		16,472	14,568	1,904	88.4%	
02-5037-**-***	Office Equipment		13,000	1,634	11,366	12.6%	
02-5038-**-***	Permits		25,504	39,645	(14,141)	155.4%	(4)
02-5039-**-***	Membership Dues/Fees		4,384	3,458	926	78.9%	
02-5049-**-***	Biosolids Disposal		524,996	599,711	(24,715)	104.3%	(19)
02-5050-**-***	Contract Services Generators - 29A	50,000	10,004	50	9,954	0.5%	
02-5052-**-***	Janitorial Services		41,000	53,534	(12,534)	130.6%	(5)
02-5053-**-***	Contract Serv - Digester Cleaning - 29E		60,000	32,022	27,978	53.4%	
02-5054-**-***	Diesel Truck Maint		21,000	7,702	13,299	36.7%	
02-5055-**-***	Diesel Truck Fuel - 37B		3,004	3,022	(18)	100.6%	
02-5056-**-***	Maintenance Equip. & Facilities (Solids)		155,000	113,322	41,678	73.1%	
02-5057-**-***	Maintenance Equip. & Facilities (Liquids)		254,000	171,057	82,943	67.3%	
02-5058-**-***	Maintenance Equip. & Facilities (Common)		28,000	39,409	(11,409)	140.7%	(20)
02-5059-**-***	Maintenance Equip. & Facilities (Co-Gen)		369,000	288,741	80,259	78.2%	
02-5061-**-***	Mileage		2,044	683	1,361	33.4%	
02-5076-**-***	SCADA Infrastructure		30,504	21,956	8,548	72.0%	
02-5077-**-***	IT Direct		4,996	2,143	2,853	42.9%	
02-5303-**-***	Group Insurance Waiver		3,592	3,614	(22)	100.6%	
02-5309-**-***	Operating Leases		25,004	24,743	261	99.0%	
02-5705-**-***	Monthly Car Allowance		18,600	22,888	(4,288)	123.1%	
02-5799-**-***	Zephyr Wall Costs Share - O&M		(14,000)	(14,459)	(2,541)	81.9%	
02-6500-**-***	IT Allocations in to PC's & Depts.		187,624	187,451	173	99.9%	
	Total Other Expenses		3,466,515	3,296,109	270,406	92.4%	
	Total Expenses	100,000	5,966,155	5,797,493	168,662	97.2%	



**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

		FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
<b>05 - San Juan Creek Ocean Outfall</b>								
Salary and Fringe								
05-5000-**-***	Regular Salaries-O&M	94,880		94,880	120,386	(25,506)	126.9%	(16)
05-5001-**-***	Overtime Salaries-O&M	584		584	1,508	(924)	258.3%	(16)
05-5306-**-***	Scheduled Holiday Work	100		100	468	(368)	-	(16)
05-5401-**-***	Fringe Benefits IN to PC's & Depts.	49,940		49,940	65,237	(15,297)	130.6%	
	Total Payroll Costs	145,504	-	145,504	187,600	(42,096)	128.9%	
Other Expenses								
05-5002-**-***	Electricity	1,004		1,004	-	1,004	-	
05-5003-**-***	Natural Gas	500		500	-	500	-	
05-5015-**-***	Management Support Services	80,000		80,000	71,364	8,636	89.2%	
05-5017-**-***	Legal Fees	2,008		2,008	1,351	658	67.3%	
05-5026-**-***	Small Vehicle Fuel	500		500	-	500	-	
05-5027-**-***	Insurance - Property/Liability	8,192		8,192	8,086	106	98.7%	
05-5031-**-***	Safety Supplies	1,004		1,004	-	1,004	-	
05-5034-**-***	Travel Expense/Tech. Conferences	2,000		2,000	300	1,700	15.0%	
05-5035-**-***	Training Expense	4,000		4,000	62	3,938	1.5%	
05-5036-**-***	Laboratory Supplies	24,504		24,504	45,949	(21,445)	187.5%	(15)
05-5038-**-***	Permits	198,996		198,996	211,086	(12,090)	106.1%	(4)
05-5039-**-***	Membership Dues/Fees	5,564		5,564	-	5,564	-	
05-5044-**-***	Offshore Monitoring	22,000		22,000	20,065	1,935	91.2%	
05-5046-**-***	Effluent Chemistry	20,004		20,004	28,429	(8,425)	142.1%	(6)
05-5056-**-***	Maintenance Equip. & Facilities (Solids) 41-A	-		-	552	(552)	-	
05-5058-**-***	Maintenance Equip. & Facilities (Common)	1,004		1,004	-	1,004	-	
05-5067-**-***	Port Cleaning	35,000		35,000	-	35,000	-	
05-6500-**-***	IT Allocations in to PC's & Depts.	11,716		11,716	11,705	11	99.9%	
	Total Other Expenses	417,996	-	417,996	398,949	19,047	95.4%	
	Total Expenses	563,500	-	563,500	586,549	(23,049)	104.1%	
<b>08 - Pre Treatment</b>								
Salary and Fringe								
08-5000-**-***	Regular Salaries-O&M	81,396		81,396	95,650	(14,254)	117.5%	(1)
08-5306-**-***	Scheduled Holiday Work	356		356	-	356	-	
08-5315-**-***	Comp Time - Environment	2,476		2,476	-	2,476	-	
08-5401-**-***	Fringe Benefits IN to PC's & Depts.	42,852		42,852	51,832	(8,980)	121.0%	
	Total Payroll Costs	127,080	-	127,080	147,482	(20,402)	116.1%	
Other Expenses								
08-5011-**-***	Laboratory Services	3,008		3,008	-	3,008	-	
08-5015-**-***	Management Support Services	4,000		4,000	-	4,000	-	
08-5016-**-***	Audit - Environmental	1,252		1,252	-	1,252	-	
08-5017-**-***	Legal Fees	2,532		2,532	3,244	(712)	128.1%	(7b)
08-5018-**-***	Public Notices/ Public Relations	5,500		5,500	-	5,500	-	
08-5021-**-***	Small Vehicle Expense - 31A	1,052		1,052	68	984	6.5%	
08-5022-**-***	Miscellaneous Expense	2,020		2,020	-	2,020	-	
08-5026-**-***	Small Vehicle Fuel - 37A	1,096		1,096	300	796	27.4%	
08-5027-**-***	Insurance - Property/Liability	2,844		2,844	2,807	37	98.7%	
08-5028-**-***	Small Tools & Supplies	3,496		3,496	2,288	1,208	65.5%	
08-5034-**-***	Travel Expense/Tech. Conferences	2,220		2,220	695	1,525	31.3%	
08-5035-**-***	Training Expense	796		796	708	88	89.0%	
08-5038-**-***	Permits and Fines	6,000		6,000	-	6,000	-	
08-5039-**-***	Membership Dues/Fees	800		800	743	57	92.9%	
08-6500-**-***	IT Allocations in to PC's & Depts.	10,052		10,052	10,042	10	99.9%	
	Total Other Expenses	46,668	-	46,668	20,896	25,772	44.8%	
	Total Expenses	173,748	-	173,748	168,378	5,370	96.9%	
<b>12 - Water Reclamation Permits</b>								
Salary and Fringe								
12-5000-**-***	Regular Salaries-O&M	50,404		50,404	43,467	6,937	86.2%	
12-5401-**-***	Fringe Benefits IN to PC's & Depts.	26,528		26,528	23,555	2,973	88.8%	
	Total Payroll Costs	76,932	-	76,932	67,022	9,910	87.1%	
Other Expenses								
12-5015-**-***	Management Support Services	157,000	211,000	368,000	311,910	56,090	84.8%	
12-5017-**-***	Legal Fees	2,008		2,008	9,499	(7,491)	473.1%	(7a)
12-5027-**-***	Insurance - Property/Liability	3,116		3,116	3,076	40	98.7%	
12-5034-**-***	Travel Expense/Tech. Conferences	1,352		1,352	-	1,352	-	
12-5038-**-***	Permits	21,512		21,512	20,862	650	97.0%	
12-6500-**-***	IT Allocations in to PC's & Depts.	6,236		6,236	6,219	17	99.7%	
	Total Other Expenses	191,224	211,000	402,224	351,566	50,658	87.4%	
	Total Expenses	268,156	211,000	479,156	418,588	60,568	87.4%	

**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

	FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
<b>15 - Coastal Treatment Plant</b>							
<b>Salary and Fringe</b>							
15-5000-**-***	Regular Salaries-O&M	939,512	939,512	863,142	76,371	91.9%	
15-5001-**-***	Overtime Salaries-O&M	21,760	21,760	23,463	(1,703)	107.8%	(1)
15-5306-**-***	Scheduled Holiday Work	5,096	5,096	13,521	(8,425)	265.3%	(1)
15-5315-**-***	Comp Time - O&M	2,100	2,100	4,675	(2,575)	222.6%	(1)
15-5401-**-***	Fringe Benefits IN to PC's & Depts.	494,584	494,584	467,734	26,850	94.6%	
15-5700-**-***	Standby Pay	16,900	16,900	11,765	5,135	69.6%	
	<b>Total Payroll Costs</b>	<b>1,479,952</b>	<b>-</b>	<b>1,479,952</b>	<b>1,384,299</b>	<b>95,653</b>	<b>93.5%</b>
<b>Other Expenses</b>							
15-5002-**-***	Electricity	256,000	256,000	270,027	(14,027)	105.5%	(10)
15-5003-**-***	Natural Gas	3,000	3,000	2,855	145	95.2%	
15-5004-**-***	Potable & Reclaimed Water	25,004	25,004	24,702	302	98.8%	
15-5006-**-***	Chlorine/Sodium Hypochlorite	92,000	92,000	85,651	6,349	93.1%	
15-5007-**-***	Polymer Products	1,004	1,004	-	1,004	-	
15-5008-**-***	Ferric Chloride	46,996	46,996	70,296	(23,300)	149.6%	(2)
15-5009-**-***	Odor Control Chemicals	50,000	50,000	38,191	11,809	76.4%	
15-5010-**-***	Other Chemicals - Misc.	-	-	426	(426)	-	
15-5011-**-***	Laboratory Services	8,000	8,000	9,637	(1,637)	120.5%	(8)
15-5012-**-***	Grit Hauling	20,996	20,996	26,151	(5,155)	124.6%	(29)
15-5013-**-***	Landscaping	56,000	56,000	38,107	17,893	68.0%	
15-5015-**-***	Management Support Services	2,500	2,500	11,118	(8,618)	444.7%	(3)
15-5017-**-***	Legal Fees	15,700	15,700	8,827	6,873	56.2%	
15-5019-**-***	Contract Services Misc.	85,000	85,000	86,522	(1,522)	101.8%	
15-5021-**-***	Small Vehicle Expense - 31A	5,504	5,504	3,551	1,953	64.5%	
15-5022-**-***	Miscellaneous Expense	1,000	1,000	882	118	88.2%	
15-5023-**-***	Office Supplies - All	4,004	4,004	5,217	(1,213)	130.3%	
15-5024-**-***	Petroleum Products	3,000	3,000	3,264	(264)	108.8%	
15-5025-**-***	Uniforms	8,996	8,996	7,545	1,451	83.9%	
15-5026-**-***	Small Vehicle Fuel - 37A	2,000	2,000	1,793	207	89.6%	
15-5027-**-***	Insurance - Property/Liability	46,396	46,396	45,797	599	98.7%	
15-5028-**-***	Small Tools & Supplies	8,000	8,000	8,172	(172)	102.2%	
15-5030-**-***	Trash Disposal	2,996	2,996	1,940	1,056	64.8%	
15-5031-**-***	Safety Program & Supplies	33,352	33,352	27,697	5,655	83.0%	
15-5032-**-***	Equipment Rental	1,000	1,000	-	1,000	-	
15-5033-**-***	Recruitment	500	500	150	350	29.9%	
15-5034-**-***	Travel Expense/Tech. Conferences	5,748	5,748	148	5,600	2.6%	
15-5035-**-***	Training Expense	8,356	8,356	5,031	3,325	60.2%	
15-5036-**-***	Laboratory Supplies	11,004	11,004	13,359	(2,355)	121.4%	
15-5037-**-***	Office Equipment	2,000	2,000	23	1,977	1.1%	
15-5038-**-***	Permits	8,000	8,000	5,766	2,234	72.1%	
15-5039-**-***	Membership Dues/Fees	2,600	2,600	1,655	945	63.6%	
15-5047-**-***	Access Road Expenses	44,004	44,004	39,072	4,932	88.8%	
15-5048-**-***	Storm Damage	20,008	20,008	-	20,008	-	
15-5049-**-***	Biosolids Disposal	-	-	5,625	(5,625)	-	(9)
15-5050-**-***	Contract Services Generators - 29A	4,004	4,004	3,496	509	87.3%	
15-5052-**-***	Janitorial Services	12,004	12,004	13,160	(1,156)	109.6%	
15-5054-**-***	Diesel Truck Maint - 31B	1,004	1,004	5,902	(4,898)	587.8%	(21)
15-5055-**-***	Diesel Truck Fuel - 37B	496	496	-	496	-	
15-5057-**-***	Maintenance Equip. & Facilities (Liquids)	179,000	179,000	143,212	35,788	80.0%	
15-5058-**-***	Maintenance Equip. & Facilities (Common)	22,000	22,000	6,785	15,215	30.8%	
15-5060-**-***	Maintenance Equip. & Facilities (AWT) 41-E	37,000	37,000	17,285	19,715	46.7%	
15-5061-**-***	Mileage	500	500	154	346	30.8%	
15-5076-**-***	SCADA Infrastructure	30,500	30,500	21,956	8,544	72.0%	
15-5303-**-***	Group Insurance Waiver	3,600	3,600	3,614	(14)	100.4%	
15-5305-**-***	Medicare Tax Payments for Employees	1,336	1,336	1,910	(574)	143.0%	
15-5705-**-***	Monthly Car Allowance	4,204	4,204	4,216	(12)	100.3%	
15-6500-**-***	IT Allocations in to PC's & Depts.	116,012	116,012	115,906	106	99.9%	
	<b>Total Other Expenses</b>	<b>1,292,328</b>	<b>-</b>	<b>1,292,328</b>	<b>1,186,792</b>	<b>105,536</b>	<b>91.8%</b>
	<b>Total Expenses</b>	<b>2,772,280</b>	<b>-</b>	<b>2,772,280</b>	<b>2,571,091</b>	<b>201,189</b>	<b>92.7%</b>

**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

**17 - Joint Regional Wastewater Reclamation and Sludge Handling**

Salary and Fringe

	FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
17-5000-**-***	Regular Salaries-O&M		1,721,896	1,556,621	165,275	90.4%	
17-5001-**-***	Overtime Salaries-O&M		66,064	43,107	22,957	65.3%	(1)
17-5306-**-***	Scheduled Holiday Work		14,880	31,170	(16,290)	209.5%	(1)
17-5315-**-***	Comp Time - O&M		2,564	4,421	(1,857)	172.4%	(1)
17-5401-**-***	Fringe Benefits IN to PC's & Depts.		906,456	843,528	62,928	93.1%	
17-5700-**-***	Standby Pay		25,356	28,113	(2,757)	110.9%	
	Total Payroll Costs		2,737,216	2,506,960	230,256	91.6%	

Other Expenses

17-5002-**-***	Electricity		350,000	499,186	(149,186)	142.6%	(10)
17-5003-**-***	Natural Gas		109,996	126,226	(16,230)	114.8%	(27)
17-5004-**-***	Potable & Reclaimed Water		28,000	32,249	(4,249)	115.2%	(28)
17-5005-**-***	Co-generation Power Credit	(669,000)	(669,000)	(705,975)	36,975	105.5%	
17-5006-**-***	Chlorine/Sodium Hypochlorite		380,000	396,898	(16,898)	104.4%	(22)
17-5007-**-***	Polymer Products		460,000	478,151	(18,151)	103.9%	(23)
17-5008-**-***	Ferric Chloride		265,004	335,777	(70,773)	126.7%	(2)
17-5009-**-***	Odor Control Chemicals		43,996	31,412	12,584	71.4%	
17-5010-**-***	Other Chemicals - Misc.		1,996	-	1,996	-	
17-5011-**-***	Laboratory Services		17,072	10,699	6,373	62.7%	
17-5012-**-***	Grit Hauling - 21A		50,000	42,055	7,945	84.1%	
17-5013-**-***	Landscaping		74,996	138,489	(63,493)	184.7%	(11)
17-5015-**-***	Management Support Services		21,000	33,889	(12,889)	161.4%	(3)
17-5017-**-***	Legal Fees		5,004	15,149	(10,145)	302.7%	(12)
17-5019-**-***	Contract Services Misc.		95,000	97,583	(2,583)	102.7%	
17-5021-**-***	Small Vehicle Expense		7,000	7,710	(710)	110.1%	
17-5022-**-***	Miscellaneous Expense		7,000	1,449	5,551	20.7%	
17-5023-**-***	Office Supplies - All		11,000	10,623	377	96.6%	
17-5024-**-***	Petroleum Products		20,000	6,727	13,273	33.6%	
17-5025-**-***	Uniforms		27,004	25,805	1,199	95.6%	
17-5026-**-***	Small Vehicle Fuel		9,004	9,555	3,049	66.1%	
17-5027-**-***	Insurance - Property/Liability		115,592	114,100	1,492	98.7%	
17-5028-**-***	Small Tools & Supplies		29,000	28,489	511	98.2%	
17-5030-**-***	Trash Disposal		1,996	2,256	(260)	113.0%	
17-5031-**-***	Safety Program & Supplies		40,504	59,709	(19,205)	147.4%	(18)
17-5032-**-***	Equipment Rental		3,004	-	3,004	-	
17-5033-**-***	Recruitment		1,004	1,035	(31)	103.1%	
17-5034-**-***	Travel Expense/Tech. Conferences		9,496	632	8,864	6.7%	
17-5035-**-***	Training Expense		12,700	3,617	9,083	28.5%	
17-5036-**-***	Laboratory Supplies		23,672	15,922	7,750	67.3%	
17-5037-**-***	Office Equipment		50,000	23,626	26,374	47.3%	
17-5038-**-***	Permits		21,508	28,110	(6,602)	130.7%	(4)
17-5039-**-***	Membership Dues/Fees		4,860	4,326	534	89.0%	
17-5049-**-***	Biosolids Disposal		905,000	860,355	44,645	95.1%	
17-5050-**-***	Contract Services Generators - 29A		8,000	-	8,000	-	
17-5052-**-***	Janitorial Services		41,000	37,233	3,767	90.8%	
17-5053-**-***	Contract Serv - Digester Cleaning - 29E		65,000	46,500	18,500	71.5%	
17-5054-**-***	Diesel Truck Maint		19,000	15,594	3,406	82.1%	
17-5055-**-***	Diesel Truck Fuel - 37B		8,004	5,350	2,655	66.8%	
17-5056-**-***	Maintenance Equip. & Facilities (Solids)		206,000	222,279	(16,279)	107.9%	(24)
17-5057-**-***	Maintenance Equip. & Facilities (Liquids)		236,000	269,795	(33,795)	114.3%	(25)
17-5058-**-***	Maintenance Equip. & Facilities (Common)		34,000	98,698	(64,698)	290.3%	(13)
17-5059-**-***	Maintenance Equip. & Facilities (Co-Gen)		591,000	436,874	154,126	73.9%	
17-5060-**-***	Maintenance Equip. & Facilities (AWT)		38,000	54,657	(16,657)	143.8%	(14)
17-5061-**-***	Mileage		1,004	1,103	(99)	109.8%	
17-5068-**-***	MNWD Potable Water Supplies & Svcs.		42,000	18,666	23,334	44.4%	
17-5076-**-***	SCADA Infrastructure		30,504	21,956	8,548	72.0%	
17-5077-**-***	IT Direct		5,004	7,526	(2,522)	150.4%	
17-5105-**-***	Co-Generation Power Credit - Offset		669,000	705,975	(36,975)	105.5%	
17-5303-**-***	Group Insurance Waiver		7,200	6,951	249	96.5%	
17-5309-**-***	Operating Leases		6,004	4,003	2,001	66.7%	
17-5705-**-***	Monthly Car Allowance		8,388	8,432	(44)	100.5%	
17-6241-**-***	Education Reimbursement		-	606	(606)	-	
17-6500-**-***	IT Allocations in to PC's & Depts.		212,628	212,427	201	99.9%	
	Total Other Expenses		4,760,144	4,906,858	(146,714)	103.1%	

Total Expenses	7,497,360	-	7,497,360	7,413,818	83,542	98.9%	
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**South Orange County Wastewater Authority**  
**O&M Budget vs. Actual Comparison by PC**  
For the Period Ended June 30, 2021  
(in dollars)

**PRELIMINARY**

		FY 2020-21 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
<b>21 - Effluent Transmission Main</b>								
Salary and Fringe								
21-5000-**-***	Regular Salaries-O&M	1,384		1,384	792	592	57.2%	
21-5401-**-***	Fringe Benefits IN to PC's & Depts.	732		732	429	303	58.6%	
	Total Payroll Costs	2,116	-	2,116	1,221	895	57.7%	
Other Expenses								
21-5019-**-***	Contract Services Misc. - 29	1,004		1,004	-	1,004	-	
21-5027-**-***	Insurance - Property/Liability	968		968	956	12	98.7%	
	Total Other Expenses	1,972	-	1,972	956	1,016	48.5%	
	Total Expenses	4,088	-	4,088	2,177	1,911	53.3%	
<b>23 - North Coast Interceptor</b>								
Other Expenses								
23-5017-**-***	Legal Fees	-		-	28,804	(28,804)	-	(26)
	Total Expenses	-	-	-	28,804	(28,804)	-	
<b>24 - Aliso Creek Ocean Outfall</b>								
Salary and Fringe								
24-5000-**-***	Regular Salaries-O&M	103,084		103,084	118,917	(15,833)	115.4%	(1)
24-5001-**-***	Overtime Salaries-O&M	1,576		1,576	1,232	344	78.2%	
24-5306-**-***	Scheduled Holiday Work	168		168	292	(124)	174.1%	(1)
24-5401-**-***	Fringe Benefits IN to PC's & Depts.	54,264		54,264	64,441	(10,177)	118.8%	
	Total Payroll Costs	159,092	-	159,092	184,882	(25,790)	116.2%	
Other Expenses								
24-5015-**-***	Management Support Services	80,000		80,000	43,794	36,206	54.7%	
24-5017-**-***	Legal Fees	2,008		2,008	-	2,008	-	
24-5027-**-***	Insurance - Property/Liability	8,556		8,556	8,446	111	98.7%	
24-5031-**-***	Safety Supplies	1,004		1,004	-	1,004	-	
24-5034-**-***	Travel Expense/Tech. Conferences	2,004		2,004	300	1,704	15.0%	
24-5035-**-***	Training Expense	2,004		2,004	62	1,942	3.1%	
24-5036-**-***	Laboratory Supplies	24,500		24,500	44,758	(20,258)	182.7%	(15)
24-5038-**-***	Permits	199,000		199,000	200,893	(1,893)	101.0%	(4)
24-5039-**-***	Membership Dues/Fees	5,564		5,564	-	5,564	-	
24-5044-**-***	Offshore Monitoring	22,004		22,004	20,500	1,504	93.2%	
24-5046-**-***	Effluent Chemistry	20,000		20,000	35,165	(15,165)	175.8%	(6)
24-5058-**-***	Maintenance Equip. & Facilities (Common) 41-C	1,004		1,004	-	1,004	-	
24-5067-**-***	Port Cleaning	35,000		35,000	-	35,000	-	
24-5802-**-***	Shipping/Freight	100		100	-	100	-	
24-6500-**-***	IT Allocations in to PC's & Depts.	12,728		12,728	12,717	11	99.9%	
	Total Other Expenses	415,476	-	415,476	366,634	48,842	88.2%	
	Total Expenses	574,568	-	574,568	551,516	23,052	96.0%	
<b>Total O&amp;M Expenses</b>		<b>17,719,855</b>	<b>311,000</b>	<b>18,030,855</b>	<b>17,538,416</b>	<b>492,439</b>	<b>97.3%</b>	

\* 11/05/2020 Board approved budget amendment for PC 12-Water Reclamation Permits, \$211,000, for Environmental Regulatory Requirements.

\* 05/06/2021 Board approved budget amendment for PC 2-JB Latham, \$100,000, to cover unanticipated operating costs.

**South Orange County Wastewater Authority  
O&M Budget vs. Actual Comparison by PC**

For the Period Ended June 30, 2021

**PRELIMINARY**

- (1) O&M salaries and overtime were higher due to staff coverage needed for COVID19 impacts and after-hours construction activities.
- (2) Odor levels increased in the collection system resulting in higher Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (3) Technical support for foul air system study and assessment to minimize foul air and to accommodate system modifications.
- (4) Water Quality Fee increases.
- (5) Janitorial services increased due to additional office disinfection and cleaning.
- (6) Increased toxicity monitoring due to permit exceedances and PFAS Investigative Order requirements.
- (7a) Preparation of Water Discharge for new Recycled Water Order Report.
- (7b) Required Pretreatment Ordinance update.
- (8) Annual priority pollutants testing as required by NPDES Permit.
- (9) Disposal of spoils from export sludge line repairs.
- (10) Engine repairs and equipment overhauls required engine shutdowns and electricity purchases.
- (11) Tree removals from emergency projects in response to Santa Ana Winds.
- (12) Construction-related expenses.
- (13) Emergency water line repairs and COVID 19 related air quality additions.
- (14) Valves and actuators replacements for AWT.
- (15) Additional supplies for new regulations and preparation for new NPDES Permit requirements.
- (16) Unanticipated staff time associated with permitting requests from the State and Regional Water Boards.
- (17) COVID 19 related expenses to support distancing for employees and contractors.
- (18) PPE costs related to safety equipment for new employees.
- (19) Costs were higher due to employee/equipment availability to deliver Biosolids to the local landfill..
- (20) Common repair and COVID 19 air quality additions.
- (21) Overhaul of boom truck gearbox.
- (22) Higher than anticipated recycled water production.
- (23) Construction-related operational changes.
- (24) Additional O&M work in the solids area was completed to take advantage of construction contractor shutdowns.
- (25) Additional O&M work in the liquids area was completed to take advantage of construction contractor shutdowns.
- (26) Legal costs related to NCI bypass construction and Regional Board settlement.
- (27) Additional supplemental natural gas used during gas scrubbing system overhaul at RTP.
- (28) Additional flushing water was used in the foul air scrubbers due to increased odors at RTP.
- (29) Grit from channel and basin debris removal to accommodate ongoing construction.

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

For the Period Ended June 30, 2021

(in dollars)

**PRELIMINARY**

		<b>FY 2020-21 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary and Fringe</b>					
01-5000-03-00-00	Regular Salaries-O&M	196,836	148,311	48,526	75.3%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	103,621	80,369	23,252	77.6%
	<b>Total Payroll Costs</b>	<b>300,457</b>	<b>228,679</b>	<b>71,778</b>	<b>76.1%</b>
<b>Other Expenses</b>					
01-5022-03-00-00	Miscellaneous Expense	3,184	2,529	655	79.4%
01-5023-03-00-00	Office Supplies - All	208	31	177	14.9%
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	275	1,969	12.3%
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	996	381	72.3%
01-5061-03-00-00	Mileage	510	47	463	9.1%
01-5077-03-00-00	IT Direct	-	1,839	(1,839)	-
01-5309-03-00-00	Operating Leases	6,829	5,408	1,421	79.2%
01-5705-03-00-00	Monthly Car Allowance	4,200	4,216	(16)	100.4%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	50,794	50,747	47	99.9%
	<b>Total Other Expenses</b>	<b>76,810</b>	<b>66,088</b>	<b>10,723</b>	<b>86.0%</b>
	<b>Total Engineering Expenses</b>	<b>377,267</b>	<b>294,768</b>	<b>82,500</b>	<b>78.1%</b>

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

For the Period Ended June 30, 2021

(in dollars)

**PRELIMINARY**

		<b>FY 2020-21 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary and Fringe</b>					
01-6000-04-00-00	Regular Salaries-Admin or IT	944,542	911,317	33,225	96.5%
01-6001-04-00-00	Overtime Salaries-Admin or IT	20,000	37,238	(17,238)	186.2% (1)
01-6315-04-00-00	Comp Time - Admin	15,000	8,982	6,018	59.9%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	497,236	493,840	3,396	99.3%
	<b>Total Payroll Costs</b>	<b>1,476,778</b>	<b>1,451,377</b>	<b>25,401</b>	<b>98.3%</b>
<b>Other Expenses</b>					
01-6018-04-00-00	Public Notices/ Public Relations	-	2,180	(2,180)	- (2)
01-6101-04-00-00	HR Recruitment & Employee Relations	26,500	32,837	(6,337)	123.9% (3)
01-6102-04-00-00	Subscriptions	2,040	2,119	(79)	103.9%
01-6200-04-00-00	Management Support Services	102,000	54,616	47,384	53.5%
01-6201-04-00-00	Audit	44,900	40,600	4,300	90.4%
01-6202-04-00-00	Legal	200,000	338,560	(138,560)	169.3% (4)
01-6204-04-00-00	Postage	4,000	897	3,103	22.4%
01-6223-04-00-00	Office Supplies - Admin	6,120	3,474	2,646	56.8%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	2,338	(1,338)	233.8%
01-6234-04-00-00	Memberships & Trainings	88,950	76,234	12,716	85.7%
01-6239-04-00-00	Travel & Conference	10,965	5,224	5,741	47.6%
01-6240-04-00-00	Scholarship Sponsorship		1,000	(1,000)	-
01-6241-04-00-00	Education Reimbursement	3,000	1,500	1,500	50.0%
01-6310-04-00-00	Miscellaneous	23,460	19,540	3,920	83.3%
01-6311-04-00-00	Mileage	1,211	185	1,026	15.3%
01-6317-04-00-00	Contract Services Misc	5,610	5,464	146	97.4%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	116,635	116,527	108	99.9%
01-6601-04-00-00	Shipping/Freight	3,740	4,296	(556)	114.9%
01-6705-04-00-00	Monthly Car Allowance	12,000	12,046	(46)	100.4%
	<b>Total Other Expenses</b>	<b>652,131</b>	<b>719,636</b>	<b>(67,505)</b>	<b>110.4%</b>
<b>Total Admin Expenses</b>		<b>2,128,909</b>	<b>2,171,013</b>	<b>(42,104)</b>	<b>102.0%</b>

- (1) Overtime salary and comp should be considered together, 132.1% expended
- (2) Publication fee for ordinance
- (3) Recruitment for Lab Manager
- (4) JPA Revision projected over budget for Legal line item

**South Orange County Wastewater Authority**  
**Budget vs. Actual Comparison-IT**  
 For the Period Ended June 30, 2021  
 (in dollars)

**PRELIMINARY**

		<b>FY 2020-21 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>	
<b>Salary &amp; Fringe</b>						
01-6000-05-00-00	Regular Salaries-Admin or IT	93,909	102,579	(8,670)	109.2%	
01-6001-05-00-00	Overtime Salaries-Admin or IT	-	-	-	-	
01-6315-05-00-00	Comp Time - IT	5,000	-	5,000	-	
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	49,437	55,588	(6,151)	112.4%	
	<b>Total Salary &amp; Fringe</b>	<b>148,346</b>	<b>158,167</b>	<b>(9,821)</b>	<b>106.6%</b>	<b>(1)</b>
<b>Other Expenses</b>						
01-6028-05-00-00	Small Tools & Supplies	1,000	-	1,000	-	
01-6035-05-00-00	Training Expense	2,000	-	2,000	-	
01-6037-05-00-00	Office Equipment	600	-	600	-	
01-6234-05-00-00	Memberships & Trainings	1,375	-	1,375	-	
01-6239-05-00-00	Travel & Conference	1,750	-	1,750	-	
01-6300-05-00-00	Software Maintenance Agreements	38,779	40,260	(1,481)	103.8%	(2)
01-6301-05-00-00	Hardware Maintenance Agreements	7,126	10,441	(3,315)	146.5%	(3)
01-6302-05-00-00	Cloud Subscriptions (Internet)	148,369	152,324	(3,955)	102.7%	(4)
01-6303-05-00-00	Telecommunications	150,534	146,075	4,459	97.0%	
01-6305-05-00-00	IT Professional Services	108,060	119,370	(11,310)	110.5%	(5)
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	29,200	7,495	21,705	25.7%	
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	26,908	28,935	(2,027)	107.5%	(6)
01-6308-05-00-00	IT Memberships	160	-	160	-	
01-6309-05-00-00	Operating Leases	55,200	58,041	(2,841)	105.1%	
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-	
01-6312-05-00-00	Computer & Photocopy Supplies	-	2,633	(2,633)	-	(6)
	<b>Total Other Expenses</b>	<b>576,061</b>	<b>565,574</b>	<b>10,487</b>	<b>98.2%</b>	
	<b>Total Expenses before Allocation</b>	<b>724,407</b>	<b>723,741</b>	<b>666</b>	<b>99.9%</b>	
<b>IT Allocations (Out) to PC's &amp; Depts</b>						
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(724,407)	(723,741)	(666)	99.9%	
	<b>Total IT Allocations (Out) to PC's &amp; Depts</b>	<b>(724,407)</b>	<b>(723,741)</b>	<b>(666)</b>	<b>99.9%</b>	

- (1) Minimal vacation by IT to support the business network.
- (2) Expenses related to FE NXT implementation - software upgrade.
- (3) Further network security support included to firm business network.
- (4) Remote Management Services needed for additional remote support during the pandemic.
- (5) Additional corrective actions completed as per network vulnerability assessment.
- (6) Unanticipated costs related to the pandemic.



**South Orange County Wastewater Authority  
FY 2020-21 Actual Fringe Pool and Rate**

	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Actual	UAL & OPEB Not Included	
						FY 2020-21 Budget	FY 2020-21 Actual
457 Plan - Employer Contribution	\$13,821	\$83,925	\$75,524	\$64,550	\$74,097	\$80,000	\$74,820
Accrued Administrative Leave	34,879	30,478	23,929	26,567	47,949	28,131	29,716
Accrued Holiday	221,783	220,371	234,247	244,674	251,092	263,680	262,769
Accrued Personal Leave	74,238	76,638	83,205	87,369	97,085	90,120	78,919
COVID 19 Federal Leave							44,236
COVID 19 State Leave							15,910
Accrued Sick Pay	242,262	262,987	204,767	274,389	233,159	286,116	290,893
Accrued Vacation	372,526	416,343	345,815	419,442	383,841	394,012	383,679
Bereavement Pay	1,345	8,088	10,892	10,820	9,043	8,700	13,708
Jury Duty			5,817	3,149	5,156	2,500	1,005
Disability Insurance - Private	51,728	56,122	57,924	56,713	61,659	62,379	61,468
Group Medical Insurance	948,341	1,017,679	864,239	918,687	902,394	954,938	971,436
Medicare Tax - Employer	94,167	94,550	96,326	100,314	104,441	101,836	104,237
Retiree Health Savings Program (RHS)			17,800	29,600	39,600	45,600	48,000
Retiree Health PARS Investment	500,000	504,000	210,000				
Retiree Health Benefits	281,389	384,936	354,582	423,438	456,943		
Retirement - PERS Normal Costs	517,823	500,175	504,975	570,071	584,043	617,724	637,617
Retirement - PERS Unfunded Liability	432,628	499,903	599,849	743,843	867,337		
Unemployment Ins./Reimbursement	1,378	1,234		11,608			
Workers Compensation Ins.	76,883	212,990	233,538	159,452	192,000	202,000	121,937

<b>Total O&amp;M Budget Fringe Benefits Pool</b>	<b>\$3,865,192</b>	<b>\$4,370,418</b>	<b>\$3,923,431</b>	<b>\$4,144,686</b>	<b>\$4,309,837</b>	<b>\$3,137,735</b>	<b>\$3,140,350</b>
<b>Change in Fringe Pool</b>		<b>13.1%</b>	<b>-10.2%</b>	<b>5.6%</b>	<b>4.0%</b>	<b>-27.2%</b>	<b>0.1%</b>

Pay for Time Worked Labor Base(Regular Salaries)							
O&M		3,184,417	3,224,868	3,282,424	3,451,281	3,559,419	3,401,837
Environmental		815,299	789,929	827,189	933,333	951,174	952,801
Engineering including CIP Labor		305,422	377,076	396,554	397,732	411,345	426,574
Admin		695,744	857,635	896,766	934,332	944,542	911,317
IT		44,447	84,015	85,028	92,851	93,909	102,579
<b>Total Pay for Time Worked Labor Base</b>		<b>4,976,917</b>	<b>5,045,329</b>	<b>5,333,523</b>	<b>5,487,962</b>	<b>5,960,389</b>	<b>5,795,108</b>
<b>Fringe Rate</b>		<b>78%</b>	<b>86.6%</b>	<b>73.6%</b>	<b>75.5%</b>	<b>74.2%</b>	<b>54.2%</b>
<b>Change in Labor Base</b>			<b>1.4%</b>	<b>5.7%</b>	<b>2.9%</b>	<b>5.9%</b>	<b>2.6%</b>

# Agenda Item

# 4F

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Preliminary FY 2020-21 Cash Roll Forward as of June 30, 2021

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## 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 June 30, 2021**

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, Member Agency and Project
- Non-Capital Cash Roll Forward Balance by Project Committee, Member Agency and Project
- Non-Capital – Miscellaneous Cash Roll Forward Balance by Project Committee, Member Agency and Project
- Small Capital Cash Roll Forward balance by Project Committee, Member Agency and Project

The Authority is on a Full Accrual Basis of Accounting, which requires recording all transactions in the accounting period when the liability is incurred. Therefore, at fiscal yearend, there are significant accruals for capital work completed but not yet paid.

As a result of yearend accruals and a large amount of work completed in Q4, PC 15-Coastal Treatment Plant, Cash Roll Forward reports cash usage in excess of collections, \$650k. The additional cash requirements were invoiced in Q1 fiscal year 2021-22 and should be received in time to pay the Contractors.

PC 5-San Juan Creek Outfall, accruals and Q4 work completed reports cash usage in excess of collections, \$27k; the projects are completed and will be settled in the Use Audit.

**Recommended Action:** The Finance Committee recommends to the Board of Directors to receive and file the Fiscal Year 2020-21 Cash Roll Forward as submitted.

## Preliminary Cash Roll Forward Notes FY 2020-21

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  
Cash Reconciliation  
Fiscal Year End 2017, 2018, 2019, 2020, and 2021 Preliminary**

	6/30/2017	6/30/2018	6/30/2019	6/30/2020	6/30/2021	YTD Change
(1) <b>Cash on Hand</b>	12,949,694	13,557,237	20,857,094	22,361,420	15,189,748	(7,171,673) -32.1%
Accounts Payable	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)	(5,896,271)	
Accrued Payroll	(102,661)	(127,396)	(100,221)	(160,049)	(213,337)	
Accounts Receivable	1,069,282	1,660,444	14,179	49,286	58,278	
(2) PTO Reserves	(653,282)	(620,032)	(683,536)	(734,477)	(879,349)	
Due to Mbr Agency	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)		
Due From Mbr Agency	1,069,819	2,433,322	856,669	870,004		
Mbr Agency Refund held for FY 19-20			(1,068,028)			
Audit Adjustment						
Prepaid	65,082	204,867	211,725	155,939	161,192	
Deposits	19,500					
<b>Available Cash</b>	<b>10,375,905</b>	<b>10,883,737</b>	<b>15,631,481</b>	<b>17,353,752</b>	<b>8,420,260</b>	
(3) <b>Large Capital Cash as of June 30th 2017, 2018, 2019, 2020 &amp; 2021</b>	<b>9,168,439</b>	<b>8,793,369</b>	<b>15,067,539</b>	<b>15,616,950</b>	<b>6,751,108</b>	<b>(8,865,841) -56.8%</b>
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				
Add Use Audit Settlement FY 17-18		216,467				
Add Use Audit Settlement FY 16-17	(49,931)	(49,931)				
(5) <b>Total Large Capital Cash</b>	<b>10,041,229</b>	<b>10,238,817</b>	<b>15,067,539</b>	<b>15,616,950</b>	<b>6,751,108</b>	
(6) Small Capital Carryover	(129,000)		172,996	565,000	178,789	(386,211) -68.4%
Non-Capital Carryover				369,508	203,442	(166,066) -44.9%
Non-Capital Misc. Carryover				252,298	131,237	(121,060) -48.0%
Mbr Agency Refund held for FY 19-20						
Cash Collected for PC 2 Zephyr Wall	76,318		76,318			
Other misc., fringe adj., interest adj., etc.	22,331	(4,916)				
Small Capital Cash Collected in Excess of Expenditures					526,299	
Non Capital Cash Collected in Excess of Expenditures					9,110	
Non Capital Misc Cash Collected in Excess of Expenditures					53,733	
<b>O&amp;M Cash Collected in Excess of Expenditures</b>					249,793	
<b>Net Cash as of June 30th 2017, 2018 ,2019, 2020 &amp; 2021</b>	<b>10,010,879</b>	<b>10,233,900</b>	<b>15,316,853</b>	<b>16,803,755</b>	<b>8,103,512</b>	
(7) <b>Difference</b>	<b>365,027</b>	<b>649,837</b>	<b>314,628</b>	<b>549,996</b>	<b>316,748</b>	

Additional Cash Is:					
<b>Prior Balance</b>	281,422	365,027	649,837	314,628	549,996
<b>Payment to Member Agencies</b>			(649,837)	(314,628)	(549,996)
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	75,957
Recycling Income	11,708	2,112	1,618	1,966.23	2,920
PC 23 Admin Payment	9,135				5,300
Mutual Omaha Refund	8,034				
Interest received for 4th qtr	4,934	25,256	52,302	113,947	83,920
LAIF Interest Adj.	3,000				
Grant Revenue	1,500				148,623
Other misc. expenses				(4,277)	
Sale of Fixed Assets		6,297	11,226	8,675	
Other misc adjustments					27
<b>Total Other Cash</b>	<b>365,027</b>	<b>649,837</b>	<b>314,628</b>	<b>549,996</b>	<b>316,748</b>

**South Orange County Wastewater Authority  
Total Large Capital Projects Cash Roll Forward for FY 2020-21**

Large Capital Cash Balance as of June 30, 2021										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 02 J B Latham</b>										
<b>Liquids</b>										
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	45,622	-	-	-	34,257	25,697	42,822	148,398
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	33,609	-	-	-	25,227	18,922	31,536	109,294
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)	-	-	46,669	-	-	-	35,016	26,262	43,771	151,718
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	9,896	-	-	-	7,490	5,687	9,385	32,457
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)	-	-	313,541	-	-	-	235,205	176,329	293,984	1,019,058
32211L-000 - Plant 2 Grit Area Rehabilitation	-	-	(27,783)	-	-	-	(20,837)	(15,628)	(26,046)	(90,294)
<b>Total PC 02 Liquids</b>	-	-	<b>458,694</b>	-	-	-	<b>345,379</b>	<b>259,038</b>	<b>431,727</b>	<b>1,494,838</b>
<b>Common</b>										
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	(0)	-	-	-	(0)	(0)	(0)	(1)
3260-000 - SCADA System Upgrade (2017)	-	-	(5,115)	-	-	-	(3,763)	(3,846)	(4,112)	(16,835)
3286-000 - PLC Upgrades (2018)	-	-	15,345	-	-	-	11,300	11,544	12,337	50,526
3221-000 - Electrical System Evaluation (2019)	-	-	8,488	-	-	-	6,244	6,381	6,823	27,936
3231-000 Facility Improvements B - Common Upgrades Construction	-	-	139,914	-	-	-	102,910	105,177	112,454	460,456
<b>Total PC 02 Common</b>	-	-	<b>158,631</b>	-	-	-	<b>116,691</b>	<b>119,257</b>	<b>127,502</b>	<b>522,082</b>
<b>Solids</b>										
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	27,612	-	-	-	19,882	26,137	18,409	92,041
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	34,185	-	-	-	24,622	32,354	22,790	113,950
3222-000 - Centrate System Design (2019)	-	-	(1,767)	-	-	-	(1,273)	(1,671)	(1,178)	(5,889)
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)
<b>Total PC 02 Solids</b>	-	-	<b>176,292</b>	-	-	-	<b>127,023</b>	<b>166,796</b>	<b>117,529</b>	<b>587,640</b>
<b>Total PC 02 JB Latham</b>	-	-	<b>793,617</b>	-	-	-	<b>589,093</b>	<b>545,091</b>	<b>676,758</b>	<b>2,604,559</b>

**South Orange County Wastewater Authority  
Total Large Capital Projects Cash Roll Forward for FY 2020-21**

Large Capital Cash Balance as of June 30, 2021										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSB	IRWD	MNWD	SMWD	SCWD	
<b>PC 05 San Juan Creek Ocean Outfall</b>										
3601-000 Junction Structure Reinforcement Phase II (2016)	-	(11,296)	(7,530)	-	-	-	(10,542)	(30,121)	(8,475)	(67,964)
3603-000 Dilution Study (2016)	-	9,889	6,593	-	-	-	9,228	26,370	7,420	59,500
3650-000 - Junction Structure Reinforcement Construction (2017)	-	(22,665)	(15,109)	-	-	-	(21,151)	(60,927)	(17,006)	(136,857)
3605-000 - Junction Structure Reinforcement Permitting and Final Design	-	(142,048)	(94,699)	-	-	-	(132,562)	(378,795)	(106,578)	(854,681)
3606-000 - Junction Struction - Sleeve Insertion (2021)	-	161,763	107,842	-	-	-	150,959	431,368	121,371	973,303
<b>Total PC5 San Juan Creek Ocean Outfall</b>	-	<b>(4,356)</b>	<b>(2,903)</b>	-	-	-	<b>(4,067)</b>	<b>(12,104)</b>	<b>(3,268)</b>	<b>(26,699)</b>
<b>PC 15 Coastal Treatment Plant</b>										
<b>Liquids</b>										
3504-000 - Aeration System Modification Design (2015)	(9)	-	-	-	(1)	-	(7)	-	(7)	(23)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	(1,063)	-	-	-	(84)	-	(820)	-	(837)	(2,803)
3530-000 Aliso Sulfur Creek Confluence (2014)	(12)	-	-	-	(1)	-	(9)	-	(9)	(31)
3532-000 - Fire Protection (2013)	11,525	-	-	-	908	-	8,254	-	9,075	29,763
3534-000 - Export Sludge System (1997)	104,388	-	-	-	8,224	-	80,546	-	82,194	275,352
3539-000 Facility Construction Improvements - Part II (2020)	(699,899)	-	-	-	(55,111)	-	(540,078)	-	(551,097)	(1,846,185)
3551-000 - Add for CTP Facility Upgrade Design (2017)	44,523	-	-	-	3,511	-	34,352	-	35,056	117,442
3553-000 - Plant Drainage Improvements (2017)	91,039	-	-	-	7,175	-	70,248	-	71,684	240,146
3592-000 - Facility Improvements Project Design (2018)	13,479	-	-	-	1,134	-	10,350	-	10,606	35,568
3525-000 - Personnel Building reconstruction (2019)	45,907	-	-	-	3,615	-	35,424	-	36,147	121,093
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	41,695	-	-	-	3,283	-	32,174	-	32,831	109,983
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)	51,124	-	-	-	4,025	-	39,450	-	40,255	134,854
<b>Total PC 15 Liquids</b>	<b>(236,508)</b>	-	-	-	<b>(18,533)</b>	-	<b>(183,202)</b>	-	<b>(186,231)</b>	<b>(624,474)</b>
<b>AWT</b>										
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)
<b>Total PC 15 AWT</b>	-	-	-	-	-	-	-	-	<b>(24,877)</b>	<b>(24,877)</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>(236,508)</b>	-	-	-	<b>(18,533)</b>	-	<b>(183,202)</b>	-	<b>(211,108)</b>	<b>(649,350)</b>

**South Orange County Wastewater Authority**  
**Total Large Capital Projects Cash Roll Forward for FY 2020-21**

Large Capital Cash Balance as of June 30, 2021										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 17 Joint Regional Wastewater Reclamation</b>										
<b>Liquids/AWT</b>										
3701-000 - Secondary Electrical System Rerouting (2014)	-	-	-	-	-	-	(3,203,560)	-	-	(3,203,560)
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	-	-	-	-	-	-	478,647	-	-	478,647
3707-000 - Influent Manholes 1 and 2 and Sewer Rehabilitation (2016)	-	-	-	-	-	-	(121)	-	-	(121)
3708-000 - Influent Junction Structure Gate Replacement (2016)	-	-	-	-	-	-	42	-	-	42
3712-000 - Grit Basin Drop Gate and Weir Replacement (2016)	-	-	-	-	-	-	(4,681)	-	-	(4,681)
3713-000 - Primary Inlet Drop Gate Replacement (2016)	-	-	-	-	-	-	(5)	-	-	(5)
3730-000 - Primary Gallery Upgrade (2014)	-	-	-	-	-	-	101,082	-	-	101,082
3733-000 AWT Backwash Pipe Relocation (2014)	-	-	-	-	-	-	(602)	-	-	(602)
3752-000 - AWT No.2 Upgrade Design (2017)013)	-	-	-	-	-	-	(382)	-	-	(382)
3753-000 Aeration Diffuser Upgrade (2020)	-	-	-	-	-	-	338,666	-	-	338,666
3758-000 AWT No.2 Reconstruction (2020)	-	-	-	-	-	-	280,818	-	-	280,818
3781-000 - Primary Scum Skimmer Replacement (2018)	-	-	-	-	-	-	10,888	-	-	10,888
3784-000 - Replace DAF (Mannich) Polymer System (2018)	-	-	-	-	-	-	712,607	-	-	712,607
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	-	-	-	-	-	-	426,869	-	-	426,869
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	-	-	-	-	-	-	1,354,657	-	-	1,354,657
3787-000 - Aeration Area Upgrade Design (2018)	-	-	-	-	-	-	18,379	-	-	18,379
3741-000 - Southwest Influent Sewer and MH Repair design (2019)	-	-	-	-	-	-	99,741	-	-	99,741
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	-	344,801	-	-	344,801
3743-000 - Aeration Gate Replacement (2019)	-	-	-	-	-	-	187,197	-	-	187,197
3755-000 Southeast Sewer Rehabilitation (2020)	-	-	-	-	-	-	50,000	-	-	50,000
3756-000 Secondary Clarifier Safety Repairs (2020)	-	-	-	-	-	-	17,665	-	-	17,665
3757-000 Miscellaneous Safety Improvements - Liquids (2020)	-	-	-	-	-	-	7,762	-	-	7,762
3759-000 AWT No.2 Electrical Upgrades (2020)	-	-	-	-	-	-	105,364	-	-	105,364
3766-000 AWT Sodium Hypochlorite Tanks Shade (2020)	-	-	-	-	-	-	28,471	-	-	28,471
<b>Total PC 17 Liquids</b>	-	-	-	-	-	-	<b>1,354,303</b>	-	-	<b>1,354,303</b>
<b>Common</b>										
3715-000 - Switchgear Upgrade (2006)	(2,964)	-	-	(4,850)	(156)	-	(36,934)	-	(2,369)	(47,273)
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)	(387)	-	-	(632)	(20)	-	(4,815)	-	(309)	(6,163)
3788-000 - PLC Upgrade	(3,255)	-	-	(4,470)	(168)	-	(32,677)	-	(2,603)	(43,173)
3789-000 - Switchgear Upgrade Project Completion (2018)	(920)	-	-	(1,505)	(48)	-	(11,459)	-	(735)	(14,666)
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)	6,090	-	-	9,966	321	-	75,888	-	4,867	97,132
3747-000 -Southside Plant Manhole Reconstruction (2019)	947	-	-	1,550	50	-	11,805	-	757	15,109
3748-000 - SE electrical Manhole reconstruction (2019)	7,611	-	-	12,455	401	-	94,841	-	6,083	121,390
<b>Total PC 17 Common</b>	<b>35,899</b>	-	-	<b>61,798</b>	<b>1,901</b>	-	<b>475,443</b>	-	<b>28,681</b>	<b>603,721</b>

**South Orange County Wastewater Authority**  
**Total Large Capital Projects Cash Roll Forward for FY 2020-21**

Large Capital Cash Balance as of June 30, 2021										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>Solids</b>										
3722-000 - Co-gen Sys Retrofit (formerly Siloxane) (2015)	36,422	-	-	66,258	1,912	-	190,941	-	29,089	324,623
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)	3,286	-	-	5,979	173	-	17,231	-	2,625	29,294
3791-000 - Cogeneration Area Upgrade Project Completion (2018)	1	-	-	1	-	-	1	-	1	2
3749-000 - Phase I Solids Piping Upgrade (2019)	96,734	-	-	175,964	5,087	-	507,115	-	77,248	862,147
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)	9,560	-	-	17,391	503	-	50,121	-	7,634	85,209
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)	25,471	-	-	46,334	1,340	-	133,533	-	20,341	227,020
<b>Total PC 17 Solids</b>	<b>231,688</b>	<b>-</b>	<b>-</b>	<b>421,459</b>	<b>12,181</b>	<b>-</b>	<b>1,214,608</b>	<b>-</b>	<b>185,023</b>	<b>2,064,959</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>267,587</b>	<b>-</b>	<b>-</b>	<b>483,257</b>	<b>14,082</b>	<b>-</b>	<b>3,044,354</b>	<b>-</b>	<b>213,704</b>	<b>4,022,984</b>
<b>PC 21 Effluent Transmission Main</b>										
<b>Reach B/C/D</b>										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	150,582	-	150,580	-	-	-	301,163
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	-	-	-	19,437	-	19,437	-	-	-	38,874
3107-000 - Air Valve Replacement Construction (D) (2021)	-	-	-	19,000	-	19,000	-	-	-	38,000
<b>Total PC21 Reach B/C/D</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>189,020</b>	<b>-</b>	<b>189,018</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>378,037</b>
<b>Reach E</b>										
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)	-	-	-	18,210	-	18,210	41,767	-	-	78,187
3108-000 - Air Valve Replacement Construction ( E) (2021)	-	-	-	14,440	-	14,440	33,120	-	-	62,000
<b>Total PC21 Reach E</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>71,917</b>	<b>-</b>	<b>71,917</b>	<b>74,887</b>	<b>-</b>	<b>-</b>	<b>218,720</b>
<b>Total PC 21 Effluent Transmission Main</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>260,936</b>	<b>-</b>	<b>260,934</b>	<b>74,887</b>	<b>-</b>	<b>-</b>	<b>596,757</b>
<b>PC 24 Aliso Creek Ocean Outfall</b>										
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	18,722	52,091	-	14,624	118,793
<b>Total PC 24 Aliso Creek Ocean Outfall</b>	<b>22,313</b>	<b>-</b>	<b>-</b>	<b>33,066</b>	<b>1,583</b>	<b>31,970</b>	<b>88,953</b>	<b>-</b>	<b>24,972</b>	<b>202,858</b>
<b>Total Large Capital Cash FY 2020-21</b>	<b>53,393</b>	<b>(4,356)</b>	<b>790,714</b>	<b>777,259</b>	<b>(2,868)</b>	<b>292,904</b>	<b>3,610,018</b>	<b>532,987</b>	<b>701,058</b>	<b>6,751,108</b>



**South Orange County Wastewater Authority  
Total Non-Capital Cash Roll Forward FY 2020-21**

<b>Non-Capital Cash Balance as of June 30, 2021</b>										
16	17	18	19	20	21	22	23	24	Total	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD		
<b>PC 02 J B Latham</b>										
<b>Liquids</b>										
4201-000 - Plant 1 Blower Building Condition Assessment (2020)	-	-	(205)	-	-	-	(154)	(115)	(192)	(666)
4202-000 - Pipeline Condition Assessment Methodology Evaluation (2020)	-	-	-	-	-	-	-	-	-	-
4203-000 - Plant Hydraulic Modeling and Flow Management Plan (2020)	-	-	21,005	-	-	-	15,754	11,815	19,692	68,266
<b>Total Liquids</b>	-	-	<b>20,800</b>	-	-	-	<b>15,600</b>	<b>11,700</b>	<b>19,500</b>	<b>67,599</b>
<b>Common</b>										
4001-000 - Plant Drain System Evaluation (2017)	-	-	-	-	-	-	-	-	-	-
4204-000 - Electrical Manhole Condition Assessment (2020)	-	-	(3,866)	-	-	-	(2,843)	(2,906)	(3,107)	(12,723)
<b>Total Common</b>	-	-	<b>(3,866)</b>	-	-	-	<b>(2,843)</b>	<b>(2,906)</b>	<b>(3,107)</b>	<b>(12,723)</b>
<b>Solids</b>										
4214-000 - Solids Management Plan (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total Solids</b>	-	-	-	-	-	-	-	-	-	-
<b>Total PC2 JB Latham</b>	-	-	<b>16,934</b>	-	-	-	<b>12,756</b>	<b>8,794</b>	<b>16,392</b>	<b>54,876</b>
<b>PC 05 San Juan Creek Ocean Outfall</b>										
4601-000 - Monitoring Evaluation Options (2020)	-	8,659	5,772	-	-	-	8,080	23,090	6,497	52,097
<b>Total PC5 SJCOO</b>	-	<b>8,659</b>	<b>5,772</b>	-	-	-	<b>8,080</b>	<b>23,090</b>	<b>6,497</b>	<b>52,097</b>
<b>PC 15 Coastal Treatment Plant</b>										
<b>Liquids</b>										
4501-000 - Electrical Manhole/Cable Assessment (2020)	-	-	-	-	-	-	-	-	-	-
4502-000 - Building Roof Condition Assessment (2020)	9,777	-	-	-	770	-	7,544	-	7,698	25,789
4504-000 - CTP Floodplain Mapping	-	-	-	-	-	-	-	-	-	-
45211L-000 - Plant Reconfiguration Feasibility Study	3,453	-	-	-	272	-	2,665	-	2,720	9,110
<b>Total Liquids</b>	<b>13,230</b>	-	-	-	<b>1,042</b>	-	<b>10,209</b>	-	<b>10,418</b>	<b>34,899</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>13,230</b>	-	-	-	<b>1,042</b>	-	<b>10,209</b>	-	<b>10,418</b>	<b>34,899</b>
<b>PC 17 Joint Regional Wastewater Reclamation</b>										
<b>Common</b>										
4703-000 - Lab Reconstruction Evaluation (2020)	4,432	-	-	7,252	233	-	55,222	-	3,542	70,680
4704-000 - Evaluate Plant and Storm Drainage (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total Common</b>	<b>4,432</b>	-	-	<b>7,252</b>	<b>233</b>	-	<b>55,222</b>	-	<b>3,542</b>	<b>70,680</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>4,432</b>	-	-	<b>7,252</b>	<b>233</b>	-	<b>55,222</b>	-	<b>3,542</b>	<b>70,680</b>
<b>Total Non-Capital Cash FY 2020-21</b>	<b>17,662</b>	<b>8,659</b>	<b>22,706</b>	<b>7,252</b>	<b>1,275</b>	-	<b>86,268</b>	<b>31,883</b>	<b>36,849</b>	<b>212,552</b>

**South Orange County Wastewater Authority  
Total Non Capital Miscellaneous Cash Roll Forward FY 2020-21**

		Non-Capital Miscellaneous Cash Balance as of June 30, 2021									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 02 J B Latham</b>											
<b>Liquids</b>											
5205-000(a)	PC 2 Asset Register Pilot Project Liquids (2020)	-	-	7,058	-	-	-	5,293	3,970	6,617	22,938
5207-000(l)	Air Handling System Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5208-000	Blower Bldg Imps Engineering Services (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total Liquids</b>		-	-	<b>7,058</b>	-	-	-	<b>5,293</b>	<b>3,970</b>	<b>6,617</b>	<b>22,938</b>
<b>Common</b>											
5203-000	PC 2 Miscellaneous Engineering Common (2020)	-	-	1,544	-	-	-	1,136	1,161	1,241	5,082
5212-000	PC 2 Miscellaneous Engineering Common (2021)	-	-	1,140	-	-	-	837	858	915	3,750
<b>Total PC 2 Common</b>		-	-	<b>2,684</b>	-	-	-	<b>1,973</b>	<b>2,019</b>	<b>2,156</b>	<b>8,832</b>
<b>Solids</b>											
5204-000(a)	PC 2 Innovative Biosolids Solids (2020)	-	-	7,500	-	-	-	5,405	7,095	5,000	25,000
5206-000	Engine Permitting (2020)	-	-	1,500	-	-	-	1,081	1,419	1,000	5,000
5207-000(s)	Air Handling System Analysis (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total PC 2 Solids</b>		-	-	<b>9,000</b>	-	-	-	<b>6,486</b>	<b>8,514</b>	<b>6,000</b>	<b>30,000</b>
<b>Total PC2 JB Latham</b>		-	-	<b>18,742</b>	-	-	-	<b>13,753</b>	<b>14,502</b>	<b>14,773</b>	<b>61,770</b>
<b>PC 05 San Juan Creek Ocean Outfall</b>											
5615-000	PC 5 Miscellaneous Engineering Outfall (2020)	-	249	166	-	-	-	232	664	187	1,498
<b>Total PC05 SJ Creek Outfall</b>		-	<b>249</b>	<b>166</b>	-	-	-	<b>232</b>	<b>664</b>	<b>187</b>	<b>1,498</b>
<b>PC 15 Coastal Treatment Plant</b>											
<b>Liquids</b>											
5501-000	PC 15 Miscellaneous Engineering Liquids (2020)	(13,763)	-	-	-	(1,084)	-	(10,620)	-	(10,837)	(36,303)
5505-000	PC 15 Miscellaneous Engineering Liquids (2021)	440	-	-	-	34	-	339	-	345	1,158
<b>Total PC 15 Liquids</b>		<b>(13,323)</b>	-	-	-	<b>(1,049)</b>	-	<b>(10,281)</b>	-	<b>(10,492)</b>	<b>(35,146)</b>
<b>Common</b>											
<b>Total PC 15 Common</b>		-	-	-	-	-	-	-	-	-	-
<b>AWT</b>											
5504-000	PC 15 Miscellaneous Engineering AWT (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total PC 15 AWT</b>		-	-	-	-	-	-	-	-	-	-
<b>Total PC 15 Coastal Treatment Plant</b>		<b>(13,323)</b>	-	-	-	<b>(1,049)</b>	-	<b>(10,281)</b>	-	<b>(10,492)</b>	<b>(35,146)</b>

**South Orange County Wastewater Authority  
Total Non Capital Miscellaneous Cash Roll Forward FY 2020-21**

Non-Capital Miscellaneous Cash Balance as of June 30, 2021											
	16	17	18	19	20	21	22	23	24		
	CLB	GSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total	
<b>PC 17 Joint Regional Wastewater Reclamation</b>											
<b>Common</b>											
5703-000	PC 17 Miscellaneous Engineering Common (2020)	1,631	-	-	2,670	86	-	20,328	-	1,304	26,019
5708-000	PC 17 Miscellaneous Engineering Common (2021)	189	-	-	309	9	-	2,343	-	150	3,000
<b>Total PC 17 Common</b>		<b>1,820</b>	<b>-</b>	<b>-</b>	<b>2,979</b>	<b>95</b>	<b>-</b>	<b>22,671</b>	<b>-</b>	<b>1,454</b>	<b>29,019</b>
<b>Solids</b>											
5204-000(b)	PC 17 Innovative Biosolids Solids (2020)	2,805	-	-	5,103	148	-	14,705	-	2,240	25,000
5205-000(b)	PC 17 Asset Register Pilot Project Solids (2020)	5,610	-	-	10,206	295	-	29,412	-	4,480	50,004
5704-000	Engine Permitting (2020)	561	-	-	1,021	30	-	2,941	-	448	5,000
5706-000	Update Cost Escalation Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5707-000	ARC Flash Analysis Update (2020)	-	-	-	-	-	-	-	-	-	-
57224S-000	Cogen SGIP (2022)	(118)	-	-	(214)	(6)	-	(618)	-	(94)	(1,050)
<b>Total PC 17 Solids</b>		<b>8,859</b>	<b>-</b>	<b>-</b>	<b>16,115</b>	<b>466</b>	<b>-</b>	<b>46,441</b>	<b>-</b>	<b>7,074</b>	<b>78,954</b>
<b>AWT</b>											
<b>Total PC 17 AWT</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>		<b>10,679</b>	<b>-</b>	<b>-</b>	<b>19,093</b>	<b>561</b>	<b>-</b>	<b>69,112</b>	<b>-</b>	<b>8,528</b>	<b>107,973</b>
<b>PC 21 Effluent Transmission Main Reach B/C/D</b>											
5113-000	PC 21 Miscellaneous Engineering B/C/D (2020)	-	-	-	-	-	-	-	-	-	-
5115-000	PC 21 Miscellaneous Engineering B/C/D (2021)	-	-	-	23,439	-	23,436	-	-	-	46,875
<b>Total Reach B/C/D</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>23,439</b>	<b>-</b>	<b>23,436</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>46,875</b>
<b>Reach E</b>											
5114-000	PC 21 Miscellaneous Engineering E (2020)	-	-	-	-	-	-	-	-	-	-
<b>Total Reach E</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total PC 21 Effluent Transmission Main</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>23,439</b>	<b>-</b>	<b>23,436</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>46,875</b>
<b>PC 24 Aliso Creek Ocean Outfall</b>											
5415-000	PC 24 Miscellaneous Engineering Outfall (2020)	220	-	-	326	16	315	877	-	246	2,000
<b>Total PC 24 Aliso Creek Outfall</b>		<b>220</b>	<b>-</b>	<b>-</b>	<b>326</b>	<b>16</b>	<b>315</b>	<b>877</b>	<b>-</b>	<b>246</b>	<b>2,000</b>
<b>Total Non-Capital Miscellaneous Cash FY 2020-21</b>		<b>(2,424)</b>	<b>249</b>	<b>18,908</b>	<b>42,858</b>	<b>(473)</b>	<b>23,751</b>	<b>73,692</b>	<b>15,166</b>	<b>13,242</b>	<b>184,970</b>

## South Orange County Wastewater Authority Small Capital Cash Roll Forward FY 2020-21

		Small Capital Cash Balance as of June 30, 2021										
		16	17	18	19	20	21	22	23	24	Total	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD		
<b>PC 02 J B Latham</b>												
<b>Liquids</b>												
2220-007	Replacement Check Valves	-	-	(3,268)	-	-	-	(2,451)	(1,838)	(3,064)	(10,620)	
2221-001	2 ISCO Samplers (between 3 PC's)	-	-	1,685	-	-	-	1,266	949	1,582	5,482	
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	(1,136)	-	-	-	(851)	(637)	(1,064)	(3,688)	
2221-003	Building Lighting Improvements	-	-	1,567	-	-	-	1,173	881	1,469	5,091	
2221-004	Aeration Header Noise Cover	-	-	13,848	-	-	-	10,384	7,788	12,980	45,000	
2221-005	4-side RAS Pump Overhaul	-	-	700	-	-	-	529	397	661	2,286	
2221-006	4-side WAS Pump Overhaul	-	-	5,540	-	-	-	4,156	3,112	5,192	18,000	
2221-007	9-side WAS Pump Overhaul	-	-	5,540	-	-	-	4,152	3,116	5,192	18,000	
2221-008	9-side Gas Line Replacement	-	-	3,201	-	-	-	2,402	1,802	3,001	10,405	
2221-009	Replacement Liquids Side Bleach Tank	-	-	5,848	-	-	-	4,384	3,288	5,480	19,000	
2221-010	Decant Pump Station Wet Well Lining	-	-	7,384	-	-	-	5,540	4,152	6,924	24,000	
2221-011	Replacement 4-Side Grit Tank Stairs	-	-	1,039	-	-	-	779	582	976	3,377	
2221-012	Replacement Gate Operator JBL	-	-	(54)	-	-	-	(39)	(29)	(48)	(170)	
2221-013	9-side Replacement Blower Room Basement Fans	-	-	3,384	-	-	-	2,540	1,904	3,172	11,000	
2221-014	4-Side Headworks Roll up Door Replacement	-	-	8,924	-	-	-	6,692	5,020	8,364	29,000	
2221-015	Replacement Grit Auger JBL	-	-	(2,692)	-	-	-	(2,021)	(1,513)	(2,525)	(8,750)	
2221-016	4-Side RSP Overhaul	-	-	(2,671)	-	-	-	(2,004)	(1,502)	(2,506)	(8,684)	
2221-017	Fixed Gas Detectors - JBL Liquids	-	-	13,287	-	-	-	9,963	7,472	12,454	43,176	
2221-034	Replacement of the 4-Side Grit Chamber Cover's	-	-	(6,550)	-	-	-	(4,913)	(3,684)	(6,141)	(21,288)	
2220-018	Fixed Gas Detector Equipment - Liquids	-	-	(20,568)	-	-	-	(15,426)	(11,570)	(19,283)	(66,847)	
2221-038	DAFT Quincy Air Compressor	-	-	(2,326)	-	-	-	(1,745)	(1,308)	(2,181)	(7,560)	
2221-039	Replacement Ferric Chloride Pump	-	-	(1,703)	-	-	-	(1,278)	(958)	(1,597)	(5,536)	
2221-041	4 Side Vulcan Bar Rake	-	-	(6,254)	-	-	-	(4,691)	(3,518)	(5,863)	(20,326)	
<b>Total Liquids</b>		-	-	<b>24,723</b>	-	-	-	<b>18,543</b>	<b>13,906</b>	<b>23,175</b>	<b>80,347</b>	
<b>Common</b>												
2219-041	JBL Wireless Project	-	-	27,346	-	-	-	20,114	20,559	21,981	90,000	
2220-020	Two Utility Vehicles	-	-	4,479	-	-	-	3,294	3,367	3,600	14,740	
2221-018	Safety Equipment JBL	-	-	1,346	-	-	-	989	1,012	1,086	4,434	
2221-019	Replacement Gate Operator	-	-	2,128	-	-	-	1,564	1,600	1,708	7,000	
2221-020	Stanley Access Upgrades 2021	-	-	1,824	-	-	-	1,340	1,372	1,464	6,000	
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	-	-	(3,216)	-	-	-	(2,363)	(2,416)	(2,581)	(10,576)	
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	-	-	1,684	-	-	-	1,239	1,261	1,354	5,538	
2221-023	JBL PLC Hardware Upgrades and Replacements 20-21	-	-	4,556	-	-	-	3,352	3,428	3,664	15,000	
2221-024	JBL HP SCADA Server Switch	-	-	4,556	-	-	-	3,352	3,428	3,664	15,000	
2221-025	JBL OIT Replacements 20-21	-	-	3,040	-	-	-	2,236	2,284	2,440	10,000	
2221-031	Seismic bracing installation for server equipment	-	-	3,040	-	-	-	2,236	2,284	2,440	10,000	
2221-032	PA System	-	-	5,468	-	-	-	4,024	4,112	4,396	18,000	
2221-033	JBL Asphalt 6" Deep 1,500 S.F.	-	-	(4,940)	-	-	-	(3,633)	(3,714)	(3,970)	(16,257)	
2220-018	Fixed Gas Detector Equipment - Common	-	-	(1,846)	-	-	-	(1,358)	(1,388)	(1,484)	(6,074)	
<b>Total PC 2 Common</b>		-	-	<b>49,466</b>	-	-	-	<b>36,387</b>	<b>37,190</b>	<b>39,762</b>	<b>162,805</b>	

## South Orange County Wastewater Authority Small Capital Cash Roll Forward FY 2020-21

		Small Capital Cash Balance as of June 30, 2021									
		16	17	18	19	20	21	22	23	24	Total
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
<b>Solids</b>											
2221-026	Solids Buildings Door Replacement	-	-	5,700	-	-	-	4,108	5,392	3,800	19,000
2221-027	Foul Air Connection to Centrate Line	-	-	4,500	-	-	-	3,244	4,256	3,000	15,000
2221-028	Centrifuge Rebuild JBL	-	-	18,299	-	-	-	13,190	17,309	12,199	60,997
2221-029	Replacement Solids Side Bleach Tank	-	-	1,158	-	-	-	834	1,097	772	3,861
2221-030	Fixed Gas Detectors - JBL Solids	-	-	13,500	-	-	-	9,728	12,772	9,000	45,000
2220-018	Fixed Gas Detector Equipment - Solids	-	-	(11,577)	-	-	-	(8,344)	(10,951)	(7,718)	(38,590)
2221-036	Digester 4 Grinder Pump	-	-	(7,008)	-	-	-	(5,051)	(6,629)	(4,672)	(23,359)
2221-040	TWAS Pump Overhauls	-	-	(5,071)	-	-	-	(3,655)	(4,797)	(3,381)	(16,904)
<b>Total PC 2 Solids</b>		-	-	<b>19,502</b>	-	-	-	<b>14,054</b>	<b>18,449</b>	<b>13,001</b>	<b>65,007</b>
<b>Total PC2 JB Latham</b>											
		-	-	<b>93,691</b>	-	-	-	<b>68,983</b>	<b>69,545</b>	<b>75,939</b>	<b>308,158</b>
<b>PC 15 Coastal Treatment Plant</b>											
<b>Liquids</b>											
2520-005	Replacment Grit Auger	(41,604)	-	-	-	(3,276)	-	(32,104)	-	(32,759)	(109,743)
2520-012	Aeration Panel Replacement	(5,385)	-	-	-	(424)	-	(4,156)	-	(4,240)	(14,206)
2520-013	Ventilation Fan Replacement	(598)	-	-	-	(47)	-	(462)	-	(471)	(1,578)
2520-014	Roll-up and Double Door Replacements	13,172	-	-	-	1,037	-	10,164	-	10,372	34,745
2221-001	2 ISCO Samplers (between 3 PC's)	2,077	-	-	-	163	-	1,604	-	1,635	5,478
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	(1,397)	-	-	-	(109)	-	(1,080)	-	(1,102)	(3,688)
2521-001	Replacement Nitrate Probe	3,354	-	-	-	265	-	2,587	-	2,643	8,848
2521-002	Pump/Blower Overhauls	(19,380)	-	-	-	(1,526)	-	(14,956)	-	(15,263)	(51,125)
2521-003	Replacement Grit Auger CTP	(1,422)	-	-	-	(113)	-	(1,095)	-	(1,121)	(3,750)
2521-004	Grit Pump Replacements (2)	26,536	-	-	-	2,088	-	20,480	-	20,896	70,000
2521-005	WAS Pump Control Rehabilitation	2,652	-	-	-	208	-	2,048	-	2,092	7,000
2521-006	Process Water Tank Cover Replacement	18,442	-	-	-	1,454	-	14,230	-	14,519	48,646
2521-007	Fixed Gas Detectors CTP	28,812	-	-	-	2,268	-	22,232	-	22,688	76,000
2521-008	Building Lighting Improvements CTP	11,140	-	-	-	877	-	8,597	-	8,770	29,383
2521-009	DAFT Stair and Walkway Replacement	6,444	-	-	-	508	-	4,972	-	5,076	17,000
2521-023	Air Compress for Aeration System	(1,910)	-	-	-	(150)	-	(1,474)	-	(1,504)	(5,038)
2522-033	Drainage Pumping Station Roof Replacement	(5,497)	-	-	-	(433)	-	(4,242)	-	(4,328)	(14,500)
<b>Total PC 15 Liquids</b>		<b>35,435</b>	-	-	-	<b>2,789</b>	-	<b>27,347</b>	-	<b>27,902</b>	<b>93,472</b>
<b>Common</b>											
2520-017	HVAC Replacements	11,374	-	-	-	896	-	8,777	-	8,956	30,003
2520-018	Stanley Security Access Expansion 2019	3,229	-	-	-	254	-	2,492	-	2,543	8,518
2520-019	Landscape renovation	8,900	-	-	-	701	-	6,868	-	7,008	23,476

## South Orange County Wastewater Authority Small Capital Cash Roll Forward FY 2020-21

		Small Capital Cash Balance as of June 30, 2021									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
2520-022	Fixed Gas Detector Equipment	6,468	-	-	-	509	-	4,991	-	5,093	17,060
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	(3,964)	-	-	-	(313)	-	(3,060)	-	(3,120)	(10,456)
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	2,100	-	-	-	167	-	1,619	-	1,652	5,538
2521-010	Safety Equipment CTP	11,368	-	-	-	892	-	8,780	-	8,960	30,000
2521-011	Landscape Renovations CTP	(1)	-	-	-	2	-	1	-	6	8
2521-012	Stanley Security Access Expansion 2020 CTP	5,688	-	-	-	448	-	4,388	-	4,476	15,000
2521-013	Replacement Roll Up Door	5,688	-	-	-	448	-	4,388	-	4,476	15,000
2521-014	CTP PLC Hardware Upgrades and Replacements 20-21	5,688	-	-	-	448	-	4,388	-	4,476	15,000
2521-015	CTP HP SCADA Server Switch	5,688	-	-	-	448	-	4,388	-	4,476	15,000
2521-016	CTP OIT Replacements 20-21	3,792	-	-	-	300	-	2,924	-	2,984	10,000
2521-019	Directional antenna inst for secondary Internet to VZW	5,688	-	-	-	448	-	4,388	-	4,476	15,000
2521-020	CTP Fork-Lift	(12,090)	-	-	-	(952)	-	(9,329)	-	(9,519)	(31,890)
2521-021	CTP Shower Trailer	(25,931)	-	-	-	(2,042)	-	(20,010)	-	(20,418)	(68,400)
2521-022	VSF Storage Racking Project	(3,076)	-	-	-	(242)	-	(2,373)	-	(2,422)	(8,113)
<b>Total PC 15 Common</b>		<b>30,610</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,412</b>	<b>-</b>	<b>23,619</b>	<b>-</b>	<b>24,102</b>	<b>80,743</b>
<b>AWT</b>											
2520-025	AWT Bleach Pump Pad Cover	-	-	-	-	-	-	-	-	10,000	10,000
2520-026	AWT Building Replacement Doors	-	-	-	-	-	-	-	-	(10,233)	(10,233)
2521-017	Building #19 Floor Rehabilitation	-	-	-	-	-	-	-	-	(32,460)	(32,460)
2521-018	Replacement Turbidity Meter	-	-	-	-	-	-	-	-	7,000	7,000
<b>Total PC 15 AWT</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(25,693)</b>	<b>(25,693)</b>
<b>Total PC 15 Coastal Treatment Plant</b>		<b>66,045</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,201</b>	<b>-</b>	<b>50,966</b>	<b>-</b>	<b>26,311</b>	<b>148,523</b>
<b>PC 17 Joint Regional Wastewater Reclamation</b>											
<b>Liquids</b>											
2720-006	RAS #6 Pump and Motor Rebuild	-	-	-	-	-	-	9,252	-	-	9,252
2720-007	RAS #66 Pump and Motor Rebuild	-	-	-	-	-	-	18,000	-	-	18,000
2720-008	Replacement Recirc Pump (AWT)	-	-	-	-	-	-	(9,190)	-	-	(9,190)
2720-011	3LP Strainer Replacement Project	-	-	-	-	-	-	30,000	-	-	30,000
2720-013	Headworks Roll Up Door Replacement	-	-	-	-	-	-	14,062	-	-	14,062
2221-001	2 ISCO Samplers (between 3 PC's)	-	-	-	-	-	-	5,482	-	-	5,482
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	-	-	-	-	(14,138)	-	-	(14,138)
2721-001	Headworks Replacement Doors	-	-	-	-	-	-	(14,644)	-	-	(14,644)
2721-002	Aeration Panel Replacement	-	-	-	-	-	-	36,000	-	-	36,000
2721-003	Rebuild RAS Pump #55	-	-	-	-	-	-	16,000	-	-	16,000
2721-004	Rebuild Three (3) Low Pressure Water Pumps	-	-	-	-	-	-	21,558	-	-	21,558
2721-005	Overhaul Interstage Pump #3	-	-	-	-	-	-	(6,052)	-	-	(6,052)

## South Orange County Wastewater Authority Small Capital Cash Roll Forward FY 2020-21

		Small Capital Cash Balance as of June 30, 2021									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
2721-006	Overhaul two (2) Hoffman Blowers	-	-	-	-	-	-	2,896	-	-	2,896
2721-007	Replacement Grit Auger	-	-	-	-	-	-	(4,281)	-	-	(4,281)
2721-008	Fixed Gas Detectors - RTP Liquids	-	-	-	-	-	-	75,000	-	-	75,000
2721-021	Replacement motor for RTP Blower #3	-	-	-	-	-	-	(21,085)	-	-	(21,085)
2720-035	Fixed Gas Detectors	-	-	-	-	-	-	(89,313)	-	-	(89,313)
<b>Total PC 17 Liquids</b>		-	-	-	-	-	-	<b>69,547</b>	-	-	<b>69,547</b>
<b>Common</b>											
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	(16,880)	-	-	924	(1,346)	-	(6,429)	-	(13,284)	(37,015)
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	628	-	-	1,028	32	-	7,812	-	(35,762)	(26,262)
2721-009	Safety Equipment	1,884	-	-	3,072	104	-	23,436	-	1,504	30,000
2721-010	Landscape Renovations	2,256	-	-	3,692	120	-	28,128	-	1,804	36,000
2721-011	Stanley Security Access Expansion 2020	124	-	-	204	8	-	1,562	-	99	1,997
2721-012	RTP PLC Hardware Upgrades and Replacements 20-21	940	-	-	1,540	48	-	11,720	-	752	15,000
2721-013	RTP HP SCADA Server Switch	940	-	-	1,540	48	-	11,720	-	752	15,000
2721-014	RTP OIT Replacements 20-21	628	-	-	1,028	32	-	7,812	-	500	10,000
2721-024	RTP Ops Floor	(1,358)	-	-	(2,012)	(96)	(1,945)	(5,412)	-	(1,519)	(12,343)
<b>Total PC 17 Common</b>		<b>(10,839)</b>	-	-	<b>11,016</b>	<b>(1,050)</b>	<b>(1,945)</b>	<b>80,348</b>	-	<b>(45,154)</b>	<b>32,377</b>
<b>Solids</b>											
2720-020	Recirculation Pump	(39)	-	-	(71)	(2)	-	(206)	-	(31)	(349)
2720-023	Building Lighting Upgrades	1,571	-	-	2,857	83	-	8,235	-	1,254	14,000
2721-015	Building #40 Replacement Doors	(1,089)	-	-	(1,982)	(55)	-	(5,708)	-	(869)	(9,703)
2721-016	Fixed Gas Detectors - RTP Solids	8,416	-	-	15,308	440	-	44,116	-	6,720	75,000
2721-017	Spare SET Sludge Pump	255	-	-	461	13	-	1,333	-	203	2,264
2721-018	Centrifuge Rebuild	3,654	-	-	6,649	194	-	19,157	-	2,918	32,573
2721-022	Building 40 MCC Room and Cogen Control Office HVAC Replacemen	(3,013)	-	-	(5,481)	(158)	-	(15,796)	-	(2,406)	(26,855)
<b>Total PC 17 Solids</b>		<b>9,755</b>	-	-	<b>17,740</b>	<b>514</b>	-	<b>51,131</b>	-	<b>7,788</b>	<b>86,929</b>
<b>AWT</b>											
2721-019	Overhaul AWT Valve Actuator Systems	-	-	-	-	-	-	77,000	-	-	77,000
2721-020	Spare Pulsafeeder Pump	-	-	-	-	-	-	12,000	-	-	12,000
2721-023	Applied Turbidity Pump	-	-	-	-	-	-	(5,267)	-	-	(5,267)
<b>Total PC 17 AWT</b>		-	-	-	-	-	-	<b>83,733</b>	-	-	<b>83,733</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>		<b>(1,084)</b>	-	-	<b>28,757</b>	<b>(536)</b>	<b>(1,945)</b>	<b>284,760</b>	-	<b>(37,366)</b>	<b>272,586</b>

PC 21 Effluent Transmission

## South Orange County Wastewater Authority Small Capital Cash Roll Forward FY 2020-21

2120-001      Reach B/C/D  
                   20-foot Section of Pipe (Reach B)  
                   Total Reach B/C/D  
                   Total PC 21 Effluent Transmission  
                   Total Small Capital Cash FY 2020-21

Small Capital Cash Balance as of June 30, 2021									
16	17	18	19	20	21	22	23	24	Total
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
-	-	-	(12,089)	-	(12,089)	-	-	-	(24,178)
-	-	-	(12,089)	-	(12,089)	-	-	-	(24,178)
-	-	-	(12,089)	-	(12,089)	-	-	-	(24,178)
64,961	-	93,691	16,667	4,665	(14,034)	404,709	69,545	64,884	705,089



# Agenda Item

# 4G

Board of Directors Meeting

Meeting Date: September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Mary Carey, Finance Controller  
**SUBJECT:** Actuarial Valuation Report on Retiree Health Program as of December 31, 2020

## Summary/Discussion

This report was presented and reviewed at the June 15, 2021 Finance Committee Meeting. The attached information returned the item to the Finance Committee to respond to agency questions and comments.

**An Actuarial Valuation Report on the Authority's Retiree Health Program was completed as of December 31, 2020 and was presented to the Finance Committee on June 15, 2021:**

### Results of the Retiree Health Valuation

Total OPEB (Accrued) Liability	\$10,665,771
Normal Costs or Current Accrual	223,338
Future Service (not yet accrued liability)	1,807,801
<b>Total Actuarial Liability</b>	<b><u>\$12,696,910</u></b>

### Net OPEB (Retiree Health) Liability

Description	2020	2021	Positive Change <sup>1</sup>	% Change
Measurement date	6/30/2020	12/31/2020		
Total OPEB Liability	(\$10,959,190)	(\$10,665,771)	\$293,419	-2.7%
PARS Savings <sup>2</sup>	5,270,639	6,525,637	1,254,998	23.8%
Net OPEB (liability)	(\$5,688,551)	(\$4,140,134)	\$1,548,417	-27.2%
<b>% Funded</b>	<b>48.1%</b>	<b>61.2%</b>		

<sup>1</sup>The OPEB Liability as of 12-31-2020 decreased due to:  
Lower healthcare costs  
Change in Employee population mix  
Change in Actuarial Assumptions

<sup>2</sup>PARS Earnings as of 4-30-2021 grew 23.8%

**Recommended Action:** The Finance Committee to recommend to the Board of Directors to receive and file the report.

# MNWD Questions

## Actuarial Valuation Retiree Health Program As of December 31, 2020

# 1. PDF pg. 186 – Do you know what actuarial assumptions changed to cause the \$900k increase to the OPEB liability?

Answer: In FY 2019-20, the Authority did not complete a New OPEB Valuation Report; it was a roll forward from the 2019 Valuation Report. The Actuary recommended recording the Net OPEB liability as of June 30, 2020 using a discount rate of 6.5%. This was discussed at the Board Meeting with approval to accept the Actuary's recommendation. The reported result was as follows:

- Net OPEB (Retiree Health) Liability increased \$941 thousand or 19.8% in the current year due to:

	\$ Change	% Change
Discount rate reduced from 7% to 6.5%	\$474,796	50.5%
Active Employees accrual for 1 additional year of service	465,794	49.5%
<b>Total</b>	<b><u>\$940,590</u></b>	<b><u>100.0%</u></b>

Net OPEB (Retiree Health) Liability Fiscal Year Ended June 30					
Description	2020	2019	2018	Change between 2020 and 2019	
				\$ +/-	% Change
Measurement date	6/30/2020	6/30/2019	6/30/2018		
Total OPEB Liability	(\$10,959,190)	(\$9,885,778)	(\$10,182,408)	(\$1,073,412)	10.9%
Fiduciary net position	5,270,639	5,137,817	4,823,410	132,822	2.6%
Net OPEB (liability)	(\$5,688,551)	(\$4,747,961)	(\$5,358,998)	(\$940,590)	19.8%
% Funded	48.1%	52.0%	47.4%	-3.9%	

The Authority completed a New valuation report as of December 31, 2020, and the above changes are reflected in the Accrued Liability.

The Net Position Statement as of June 30, 2021 will be based on the GASB 75 report for that period.

**2. PDF pg. 187 – In prior meetings, we had discussed that SOCWA was not paying a portion of the retiree costs for OPEB. Can you explain how this ADC discussion factors into that?**

Answer: In prior meetings, it was discussed that the Authority is not paying “Normal Costs” for Active Employees; SOCWA only does pay-as-you-go-costs for Retirees Health Care Premiums. The Board decided to delay paying Normal Costs due to the uncertain financial environment surrounding COVID-19 and current outlay for large capital expenditures. Due to the favorable financial returns on our PARS Investments, the Authority has exceeded the ADC for the year. (See page 181)

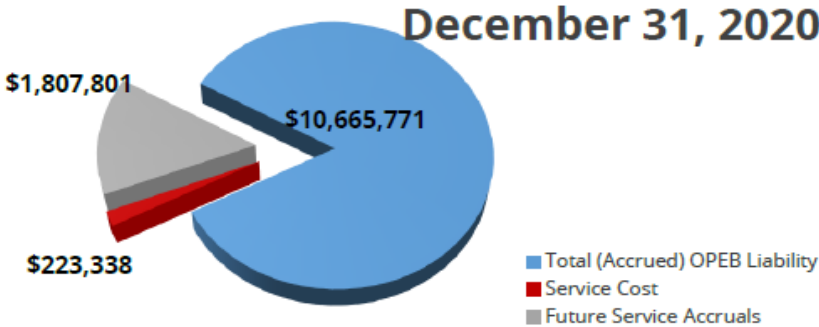
### **3. PDF pg. 199 – Why is the OPEB Liability being amortized over 18 years?**

Answer: Full Healthcare is not offered to employees hired after July 1, 2017; therefore, the liability will substantially reduced in 18 years. (See the Executive Summary, 185).

Results of the Retiree Health Valuation

We have determined that the present value of the projected Authority pay-as-you-go contributions (actuarial liability) for OPEB benefits, as of the valuation date December 31, 2020, is \$12,696,910, (including \$1,601,812 for the implicit rate subsidy). This amount is based on a discount rate of 6.50%. The amount represents the present value of all benefits projected to be paid by the Authority for current and future retirees. If the Authority were to have this amount in a fund earning interest at the rate of 6.50% per year, and all other actuarial assumptions were met, the fund would have enough to pay the Authority's required contribution for retiree health benefits. This includes benefits for the current retirees as well as the current active employees expected to retire in the future. The valuation does not consider employees not yet hired as of the valuation date.

The amount of the actuarial liability is apportioned into past service, current service, and future service components. The past service component (actuarial accrued liability now referred to as Total OPEB Liability) is \$10,665,771 (including \$1,202,343 for the implicit rate subsidy), the current service component (normal cost or current year accrual) is \$223,338 (including \$41,025 for the implicit rate subsidy) and the future service component (not yet accrued liability) is \$1,807,801 (including \$358,444 for the implicit rate subsidy).



**Actuarial Liability is \$12,696,910**

Changes from Prior Valuation

The valuation reflects updated census, plan, and rate information. In addition, there were a few assumption changes as noted in Section VI. A reconciliation of the approximate change in the total (accrued) OPEB liability from the prior valuation is provided below:

<b>December 31, 2019 Valuation @6.50%</b>	<b>\$9,700,000</b>
Increase due to passage of time	700,000
Decrease due to favorable enrollment mix	(240,000)
Decrease due to favorable healthcare experience	(390,000)
Net increase due to updated assumptions	900,000
<b>December 31, 2021 Valuation @6.50%</b>	<b>\$10,670,000</b>

# Net OPEB (Retiree Health) Liability

<b>Description</b>	<b>2020</b>	<b>2021</b>	<b>Positive Change<sup>1</sup></b>	<b>% Change</b>
Measurement date	6/30/2020	12/31/2020		
Total OPEB Liability	(\$10,959,190)	(\$10,665,771)	293,419	-2.7%
PARS Savings <sup>2</sup>	5,270,639	6,525,637	1,254,998	23.8%
Net OPEB (liability)	(\$5,688,551)	(\$4,140,134)	1,548,417	-27.2%
<b>% Funded</b>	<b>48.1%</b>	<b>61.2%</b>		

<sup>1</sup>The OPEB Liability as of 12-31-2020 decreased due to:

Lower healthcare costs

Change in Employee population mix

Change in Actuarial

Assumptions

<sup>2</sup>PARS Earnings as of 4-30-2021 grew 23.8%

### *Account Summary*

Source	Beginning Balance as of 4/1/2021	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 4/30/2021
OPEB	\$6,325,999.86	\$0.00	\$202,663.31	\$3,026.60	\$0.00	\$0.00	\$6,525,636.57
<b>Totals</b>	<b>\$6,325,999.86</b>	<b>\$0.00</b>	<b>\$202,663.31</b>	<b>\$3,026.60</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$6,525,636.57</b>

### *Investment Selection*

Source	
OPEB	Balanced HighMark PLUS

### *Investment Objective*

Source	
OPEB	The dual goals of the Balanced Strategy are growth of principal and income. While dividend and interest income are an important component of the objective's total return, it is expected that capital appreciation will comprise a larger portion of the total return. The portfolio will be allocated between equity and fixed income investments.

### *Investment Return*

Source	1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
				3-Years	5-Years	10-Years	
OPEB	3.20%	6.74%	32.00%	11.71%	11.08%	8.36%	12/17/2009



# Agenda Item

# 4H

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**SUBJECT:** Approval of PC 23 Budget Adjustment for Legal Expenses

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## **Summary/Discussion**

The PC 23 Committee met and approved an adjustment to the FY 2020-21 budget in the amount of \$28,000 to fund legal expenses related to the November 2019 spill event.

**Recommended Action:** Information item.

# Agenda Item

# 41

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Amber Baylor, Director of Environmental Compliance  
**SUBJECT:** PC 5 Adjustment to Budget FY 2020-2021 for Staff Costs

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## Summary

Staff is seeking approval of PC 5 for a budget adjustment for the FY 2020-21 period in the amount of \$24,000.

## Discussion/Analysis

SOCWA staff informed the PC 5 members in May that the PC 5 expenditures were coming in very tight but manageable. Subsequently, due to Regional Board activity requiring significant effort for timely staff action on permit renewal, staff time costs exceeded the budget.

Background on this item relates back to April, 2021 and May 2021. At the April Finance Committee meeting of SOCWA, staff indicated to the Finance Committee that *“SOCWA staff continue to watch the budgets for PC5 – San Juan Creek Ocean Outfall and PC 24 – Aliso Creek Ocean Outfall. These budgets are also very tight but are currently projected to be within budget.”* In the verbal discussion at the Finance Committee meeting staff stated that these budgets were *“within a few thousand dollars.”* The written information was repeated in the report that went to the Board at the May 6, 2021 Board meeting.

In discussions with the Finance Committee at the August 17, 2021 meeting it was recommended that where staff is anticipating a tight budget we should request an adjustment to avoid a close of the year overrun of the PC budgets. The final year end close is in process and staff provided to the Finance Committee draft year end June 30, 2021 financial reports. In order to close the year without a PC 5 budget overrun, staff is requesting approval of a budget adjustment in the amount of \$24,000.

**Recommended Action:** The PC 5 Member Agencies are requested to approve a budget adjustment in the amount of \$24,000 to cover staff costs related to NPDES permitting and to record a budget adjustment for these costs in the year end June 30, 2021 financials.

# Agenda Item

# 4J

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

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

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## 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 July, 2021

## 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)	2.87	7.47	6.11	1.03	17.46
Effluent (mgd)	1.76	0.90	6.11	2.67	11.44
Peak Flow (mgd)	8.07	18.62	10.21	8.51	45.41
Influent BOD (mg/l)	339	241	320	357	
Influent TSS (mg/l)	604	330	663	422	
Effluent BOD (mg/l)	5.4	3.5	6.3	11.3	
Effluent TSS (mg/l)	6.8	5.4	6.7	13.1	
Effluent Turbidity (NTU)	3.5	2.6	2.7	6.8	

(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)	1.97	6.57		8.54
Days of Operation (days)	31	31		
Total Flow (million gallons)	61.0	203.7		264.7
Plant Irrigation (million gallons)	0.10	0.10	0.25	
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 July, 2021 (cont'd)

## Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		NA	0.0	0.0
Nursery Products (tons)		NA	NA	0.0
Prima Deshecha (tons)		51.7	NA	51.7
Other: _____ (tons)		0.0	0.0	0.0
Total Processed (tons)		51.7	0.0	51.7

## Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	113	333	184	630
Corrective Maintenance	20	112	132	264

## Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	5	5
Member Agency	0	0	0	0
Residents	0	0	0	0
Others	0	6	15	21
Tours #/Visitors	0	0	0	0

## Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	28.1	23.4	63.5

## Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	43.6	NA	43.6
Utility Power Purchase (kWh)	184,326	64,424	191,147	439,897
Cogen Power (kWh)		580,134	432,295	1,012,429
Natural Gas (Dth)	NA	1,879	1,361	3,240
Digester Gas to Engine (scfm)		8,308,643	5,594,441	13,903,084
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		800,856	617,894	1,418,750
Digester Gas Power Savings		\$93,121.59		

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 July, 2021 (cont'd)

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

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.594	52.82%				1.59
EBSB	0.075	2.50%				0.08
SCWD	1.348	44.68%		1.738	24.37%	3.09
MNWD	0.000	0.00%	7.47	1.400	19.63%	8.87
CSJC				2.359	33.08%	2.36
SMWD				1.634	22.92%	1.63
Total	3.017	100.00%	7.47	7.131	100.00%	17.62

## Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.59	32.05%	1.59	
EBSB				0.08	1.52%	0.08	
SCWD	1.94	19.06%		-0.04	-0.80%	1.90	Includes Desalters
MNWD	1.42	13.97%		0.90	18.06%	2.32	
ETWD				1.22	24.52%	1.22	Direct Outfall Only
CSJC	2.84	27.87%				2.84	Incudes Desalter
SMWD	1.65	16.25%				1.65	Includes Chiquita
CSC	2.33	22.85%				2.33	Direct Outfall Only
IRWD				1.23	24.65%	1.23	Direct Outfall Only
Total	10.18	100.00%	11.66	4.97	100.00%	15.15	

# SOCWA Operational Report July, 2021 (cont'd)

## FY Flow/Solids Summary-Billing

### Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSJC	4.00	30.77%	2.140	24.41%	2.359	33.08%	2.36	33.08%
MNWD	3.00	23.08%	1.400	15.97%	1.400	19.63%	1.40	19.63%
SCWD	3.75	28.85%	1.805	20.59%	1.738	24.37%	1.74	24.37%
SMWD	2.25	17.31%	3.421	39.03%	1.634	22.92%	1.63	22.92%
Total	13.00	100.00%	8.766	100.00%	7.131	100.00%	7.13	100.00%

### Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	6,046	22.86%	7,203	27.60%	6,158	25.17%
MNWD	8,340	21.62%	5,612	21.22%	5,999	22.99%	6,112	24.98%
SCWD	7,715	20.00%	6,238	23.59%	5,889	22.57%	6,025	24.63%
SMWD	10,946	28.38%	8,548	32.32%	7,004	26.84%	6,168	25.21%
Total	38,573	100.00%	26,444	100.00%	26,095	100.00%	24,462	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%	2.326	22.85%	2.326	22.85%
CSJC	11.08%	8.860	11.08%	2.838	27.87%	2.838	27.87%
MNWD(3)	15.51%	12.410	15.51%	1.422	13.97%	1.422	13.97%
SCWD	12.46%	9.970	12.46%	1.940	19.06%	1.940	19.06%
SMWD	44.32%	35.460	44.33%	1.655	16.25%	1.655	16.25%
Total	100.00%	80.000	100.00%	10.180	100.00%	10.180	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 July, 2021 (cont'd)

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

### Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.599	56.52%	1.594	52.82%	1.594	52.82%
EBS	0.20	2.99%	0.080	2.83%	0.075	2.50%	0.075	2.50%
SCWD	2.00	29.85%	1.150	40.65%	1.348	44.68%	1.348	44.68%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
<b>Total</b>	<b>6.70</b>	<b>100.00%</b>	<b>2.829</b>	<b>100.00%</b>	<b>3.017</b>	<b>100.00%</b>	<b>3.017</b>	<b>100.00%</b>

### 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	0.0146	0.0146	0.1928%	0.0146	0.1928%
EBS	0.00001	0.0001%	0.0000	0.0007	0.0007	0.0091%	0.0007	0.0091%
SCWD	0.00345	0.0442%	0.0000	0.0124	0.0124	0.1631%	0.0124	0.1631%
ETWD	0.01472	0.1884%	0.0000	0.0118	0.0118	0.1560%	0.0118	0.1560%
MNWD	7.78597	99.6679%	7.4677	0.0684	7.5361	99.4791%	7.5361	99.4791%
<b>Total</b>	<b>7.81191</b>	<b>100.0000%</b>	<b>7.4677</b>	<b>0.1078</b>	<b>7.5756</b>	<b>100.0000%</b>	<b>7.5756</b>	<b>100.0000%</b>

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

# SOCWA Operational Report July, 2021 (cont'd)

## FY Flow/Solids Summary (cont'd)

### Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	5,133	14.82%	158,927	13.54%	158,927	13.54%
EBS	295	0.59%	320	0.92%	7,527	0.64%	7,527	0.64%
SCWD	4,480	8.96%	2,803	8.09%	134,422	11.45%	134,422	11.45%
ETWD	10,200	20.41%	5,282	15.25%	128,588	10.96%	128,588	10.96%
MNWD	29,395	58.82%	21,107	60.92%	744,036	63.40%	744,036	63.40%
<b>Total</b>	<b>49,975</b>	<b>100.00%</b>	<b>34,645</b>	<b>100.00%</b>	<b>1,173,501</b>	<b>100.00%</b>	<b>1,173,501</b>	<b>100.00%</b>

### 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%	1.594	32.05%	1.594	32.05%
EBS	0.78%	0.390	0.78%	0.075	1.52%	0.075	1.52%
ETWD	16.30%	8.151	16.30%	1.220	24.52%	1.220	24.52%
IRWD	15.76%	7.880	15.76%	1.226	24.65%	1.226	24.65%
MNWD	43.85%	21.924	43.85%	0.898	18.06%	0.898	18.06%
SCWD	12.31%	6.155	12.31%	-0.040	-0.80%	-0.040	-0.80%
<b>Total</b>	<b>100.00%</b>	<b>50.000</b>	<b>100.00%</b>	<b>4.973</b>	<b>100.00%</b>	<b>4.973</b>	<b>100.00%</b>

## SOCWA Operational Report July, 2021 (cont'd)

### *Select Critical Equipment Repairs*

#### JBL - PC2

Replaced 9-Side Grit pit check valve, which had become corroded and failed.  
Replaced three (3) failed Dezurik valves on Digester 3.  
Replaced digester gas discharge piping between blower to sparger on Digester 3, which had failed.  
Replaced followers and guides for Digester 3 sparger diffusers which were damaged beyond repair from corrosion.  
Replaced failing stairs for the 4-side Grit Chamber.  
Replaced failed foul air fan belt near 9-side Secondary Tanks.  
Replaced failed J-Tube on Digester 3 with a fabricated replacement made from PVC.  
Repaired broken wash water pipe for the 9-side rag conveyor.

#### CTP - PC15

Replaced failing hand railing and stairway around process water tank covers.  
Removed and cleaned Scrubber Stage 2/3 pump, which had failed from excessive chemical buildup.  
Jetted out the scrubber drain lines to Building #18, which is clogged with scrubber chemical precipitate.  
Replaced failing North DAFT recirculation pump and concrete pad.  
Disassembled South TWAS Pump for leak repair and wear inspection.  
CTP Export Line leak and line repair in the adjacent park.

#### RTP - PC17

Cleaned and repaired the rag press that became clogged with hardened sludge.  
Drained and cleaned out debris from Effluent Channel up to the Outfall Gate.  
Removed damage scope and plug from the Chlorine Contact Channel.  
Repaired a bleach tank with leaking flanges that had failed due to corrosion.  
Cleaned out scum system piping, which had become clogged with debris.  
Repainted the pipe storage shed.

#### Support Services - ALL PC'S

Tested the SCADA system against cyberattacks and penetrations.  
Started up the new polymer system at RTP.  
Tied the new gas monitoring equipment into SCADA.  
Replaced a failed cooling fan inside the Cogen Control Panel at RTP.  
Replaced failing lighting system in the Gas Management Building at RTP.  
Rebuilt and calibrated the failing Final Residual CL2 Analyzer for AWT at RTP.  
Troubleshoot and replaced failed transfer sump pump motor at RTP.  
Replaced failed fuse wiring in the transformer for Bar Screen 1 at RTP.  
Replaced failed diaphragm pressure sensor on AWT Cell 2 at RTP.  
Wired and tested the repaired Primary Recirculation Pump at JBL.  
Replaced the failed ferric storage tank level indicator meter at JBL.  
Replaced a failed DO sensor connector for Secondary Tank #7 at JBL.

## SOCWA Operational Report July, 2021 (cont'd)

### *Select Critical Equipment Repairs (cont'd)*

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

Replaced failed electrical overloads on Bar Screen 1 at JBL.

Upgraded obsolete run-time hour meter for Centrifuges at JBL.

Troubleshoot the DAF motor controls, which needed overload settings adjustments at CTP.

Replaced failed conduit and wiring for DAF area at CTP.

Replaced CEMS compressor auto drain valve, which was failed in the open position at RTP.

Troubleshoot engine that was not responding correctly to digester gas loadings at RTP.

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

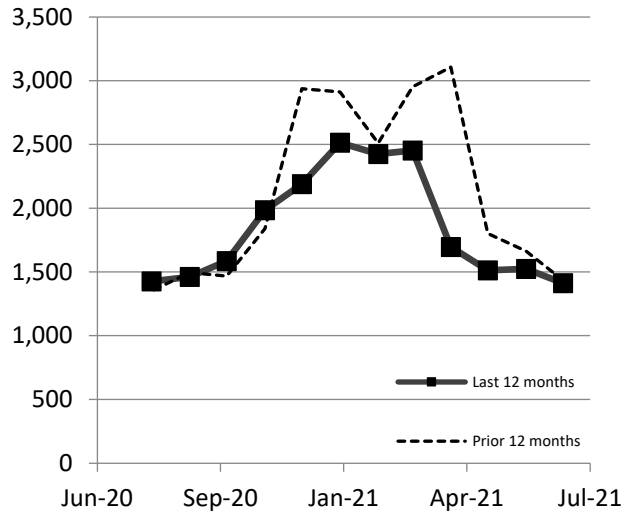
# SOCWA Ocean Outfall Discharges by Agency

# SOCWA Operational Report July, 2021 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.59	32.05%	1.59
EBSD			0.08	1.52%	0.08
SCWD	1.94	19.06%	-0.04	-0.80%	1.90
MNWD	1.42	13.97%	0.90	18.06%	2.32
ETWD			1.22	24.52%	1.22
CSJC	2.84	27.87%			2.84
SMWD	1.65	16.25%			1.65
CSC	2.33	22.85%			2.33
IRWD			1.23	24.65%	1.23
<b>Total</b>	<b>10.18</b>	<b>100.00%</b>	<b>4.97</b>	<b>100.00%</b>	<b>15.15</b>
or Acre-Feet per year equivalent					16,972

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

Jul-21	1,412
Jun-21	1,523
May-21	1,512
Apr-21	1,696
Mar-21	2,453
Feb-21	2,425
Jan-21	2,514
Dec-20	2,189
Nov-20	1,985
Oct-20	1,586
Sep-20	1,461
Aug-20	1,426
<b>Total</b>	<b>22,182</b>



# Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

July 2021

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
07/01/21	No Flow				1.133	12.5	4.4	0.1	0.560	3.4	2.0	0.2	1.325	5.2	4.0	1.0	0.789	0.485	0.147	4.439	0.00
07/02/21	No Flow				0.890	16.0	6.1	0.1	0.23	4.2	<2.0	0.1	1.518	2.4	3.0	0.2	0.789	0.484	0.138	4.049	0.00
07/03/21	No Flow				0.596	20.3	8.5	<0.1	0.260	3.9	3.0		1.935	4.5	4.0		0.789	0.482	0.127	4.189	0.00
07/04/21	No Flow				1.376	27.3		0.5	0.800	3.6	5.0	<0.1	2.073	2.2	3.0		0.789	0.468	0.148	5.654	0.00
07/05/21	No Flow				1.619	22.7		0.1	1.930	6.6	4.0	0.1	2.343	3.0	3.0	0.1	0.789	0.467	0.105	7.253	0.00
07/06/21	No Flow				1.167	17.7	8.5	2.5	1.130	8.1	6.0	0.2	1.691	9.3	5.0	0.2	0.789	0.466	0.162	5.405	0.00
07/07/21	No Flow				2.092	15.7	5.4	0.1	1.430	7.7	4.0	0.1	1.441	2.8	2.0	<0.1	0.790	0.466	0.141	6.360	0.00
07/08/21	No Flow				1.707	9.7	4.7	0.1	0.240	5.9	5.0	<0.1	1.292	8.7	6.0	0.1	0.789	0.466	0.124	4.618	0.00
07/09/21	No Flow				1.012	8.0	2.6	<0.1	0.430	4.2	3.0	0.1	1.773	6.9	4.0	0.2	0.789	0.465	0.126	4.595	0.00
07/10/21	No Flow				0.814	7.4	3.2	<0.1	0.240	4.7	2.0		1.396	6.5	3.0		0.790	0.464	0.137	3.841	0.00
07/11/21	No Flow				1.409	7.4	3.7	<0.1	0.500	4.2	4.0	<0.1	1.950	2.6	3.0		0.697	0.464	0.124	5.144	0.00
07/12/21	No Flow				1.975	7.0	3.5	0.1	1.990	5.6	4.0	0.1	1.977	1.8	3.0	0.1	0.789	0.464	0.135	7.330	0.00
07/13/21	No Flow				0.698	9.5	2.2	<0.1	0.380	5.4	3.0	<0.1	1.540	2.1	3.0	<0.1	0.753	0.463	0.146	3.980	0.00
07/14/21	No Flow				1.171	11.8	3.5	<0.1	0.490	4.3	3.0	0.1	1.674	4.1	3.0	<0.1	0.752	0.462	0.102	4.651	0.00
07/15/21	No Flow				1.200	6.5	2.1	<0.1	0.550	3.6	3.0	0.1	1.248	8.3	5.0	0.2	0.790	0.463	0.162	4.413	0.00
07/16/21	No Flow				0.762	6.0	2.3	<0.1	0.820	4.4	3.0	<0.1	1.357	4.7	4.0	0.1	0.694	0.462	0.127	4.222	0.00
07/17/21	No Flow				1.025	6.3	2.7	<0.1	0.960	3.9	3.0		1.529	8.7	6.0		0.752	0.527	0.143	4.936	0.00
07/18/21	No Flow				1.102	7.6		<0.1	1.020	3.5	3.0	<0.1	2.479	4.2	5.0		0.751	0.530	0.107	5.989	0.00
07/19/21	No Flow				1.716	9.6		0.1	1.300	5.0	3.0	<0.1	2.050	3.4	3.0	<0.1	0.752	0.529	0.149	6.496	0.00
07/20/21	No Flow				0.677	9.0	3.4	<0.1	2.420	4.4	3.0	<0.1	1.524	2.6	3.0	<0.1	0.757	0.526	0.117	6.021	0.00
07/21/21	No Flow				1.284	10.2	3.3	<0.1	0.750	5.8	3.0	0.1	1.033	11.5	7.0	0.1	0.403	0.490	0.161	4.121	0.00
07/22/21	No Flow				0.851	10.5	3.3	0.1	1.040	4.6	4.0	0.1	0.494	12.2	9.0	<0.1	0.391	0.504	0.131	3.411	0.00
07/23/21	No Flow				0.697	8.5	4.0	0.1	0.940	4.5	3.0	0.1	1.253	2.1	4.0	0.1	0.668	0.502	0.133	4.193	0.00
07/24/21	No Flow				1.068	10.3	3.6	<0.1	0.890	4.7	3.0		1.257	9.6	10.0		0.788	0.498	0.125	4.626	0.00
07/25/21	No Flow				0.908	8.8		<0.1	0.990	10.7	5.0	0.1	1.995	2.7	5.0	0.1	0.790	0.495	0.125	5.303	0.02
07/26/21	No Flow				2.226	8.3		0.1	2.390	10.0	5.0	0.1	1.964	7.7	11.0	0.1	0.789	0.492	0.154	8.015	0.02
07/27/21	No Flow				2.285	8.5	2.8	<0.1	0.690	11.3	5.0	<0.1	1.683	22.9	13.0	<0.1	0.785	0.491	0.111	6.045	0.00
07/28/21	No Flow				1.695	7.5	2.3	0.1	0.720	5.0	3.0	<0.1	1.802	4.7	6.0	0.1	0.777	0.488	0.123	5.605	0.00
07/29/21	No Flow				0.750	7.2	2.1	0.1	0.620	5.6	2.0	<0.1	1.767	5.7	5.0	<0.1	0.760	0.489	0.165	4.551	0.00
07/30/21	No Flow				1.022	11.0	3.3	0.2	0.580	3.4	3.0	<0.1	1.621	11.6	7.0	<0.1	0.675	0.487	0.133	4.518	0.00
07/31/21	No Flow				0.881	12.0	3.6	<0.1	0.550	4.0	3.0	0.1	1.535	25.8	14.0	0.2	0.777	0.486	0.139	4.368	0.00
AVG	No Flow				1.220	11.0	3.8	<0.2	0.898	5.4	3.5	<0.1	1.630	6.8	5.4	<0.2	0.741	0.485	0.134	5.108	
TOTAL	No Flow				37.81				27.84				50.52				22.98	15.03	4.167	158.34	0.04



South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1 2021  
 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 0923

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S3	07/01/21	0955	<10	10	<2	None	None	None	None	Green		Clear		
S4	07/01/21	0930	<10	<10	<2	None	None	None	None	Green	68	Slightly Turbid		
S5	07/01/21	0912	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	07/01/21	0855	<10	<10	<2	None	None	None	None	Green	65	Slightly Turbid		
WEST	07/01/21	0850	30	10	<2	None	None	None	None	Green		Slightly Turbid		
S7	07/01/21	0845	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	07/01/21	0840	<10	10	<2	None	None	None	None	Green		Clear		
S9	07/01/21	0825	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
ACM1	07/01/21	0826	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S10	07/01/21	0810	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	07/01/21	0805	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	07/01/21	0800	10	<10	<2	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1, 2021  
 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 915

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	07/07/21	750	<10	<10	<2	None	None	None	None	Green	60	Clear		
S4	07/07/21	950	<10	<10	<2	None	None	None	None	Green		Clear		
S5	07/07/21	935	<10	<10	<2	None	None	None	None	Green		Clear		
S6	07/07/21	920	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/07/21	915	<10	<10	<2	None	None	None	None	Green		Clear		
S7	07/07/21	910	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/07/21	905	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	07/07/21	850	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	07/07/21	845	<10	10	<2	None	None	None	None	Green		Clear		
S10	07/07/21	825	<10	<10	<2	None	None	None	None	Green		Clear		
S11	07/07/21	820	<10	<10	<2	None	None	None	None	Green		Clear		
S12	07/07/21	810	<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: July 2021  
 REPORT DUE: September 1, 2021  
 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 613

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	07/13/21	750	<10	<10	<2	None	None	None	None	Green		Clear		
S4	07/13/21	1015	<10	<10	<2	None	None	None	None	Green		Clear		
S5	07/13/21	950	10	<10	2	None	None	None	None	Green		Clear		
S6	07/13/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/13/21	925	<10	<10	<2	None	None	None	None	Green		Clear		
S7	07/13/21	920	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/13/21	915	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	07/13/21	855	10	<10	<2	None	None	None	None	Green		Clear		
ACM1	07/13/21	850	<10	10	2	None	None	None	None	Green		Clear		
S10	07/13/21	840	<10	<10	2	None	None	None	None	Green		Clear		
S11	07/13/21	830	<10	<2	<2	None	None	None	None	Green		Clear		
S12	07/13/21	820	<10	<10	<2	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-Aliso Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1, 2021  
 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 829

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	07/21/21	750	<10	<10	<2	None	None	None	None	Green	69	Clear		
S4	07/21/21	1020	<10	<10	<2	None	None	None	None	Green		Clear		
S5	07/21/21	950	<10	<10	<2	None	None	None	None	Green		Clear		
S6	07/21/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/21/21	925	<10	<10	4	None	None	None	None	Green		Clear		
S7	07/21/21	920	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/21/21	910	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	07/21/21	855	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	07/21/21	850	<10	<10	2	None	None	None	None	Green		Clear		
S10	07/21/21	825	<10	<10	<2	None	None	None	None	Green		Clear		
S11	07/21/21	820	<10	<10	<2	None	None	None	None	Green		Clear		
S12	07/21/21	810	<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: July 2021  
 REPORT DUE: September 1, 2021  
 SAMPLE SOURCE: Receiving water surf zone  
 TYPE OF SAMPLE: Grab

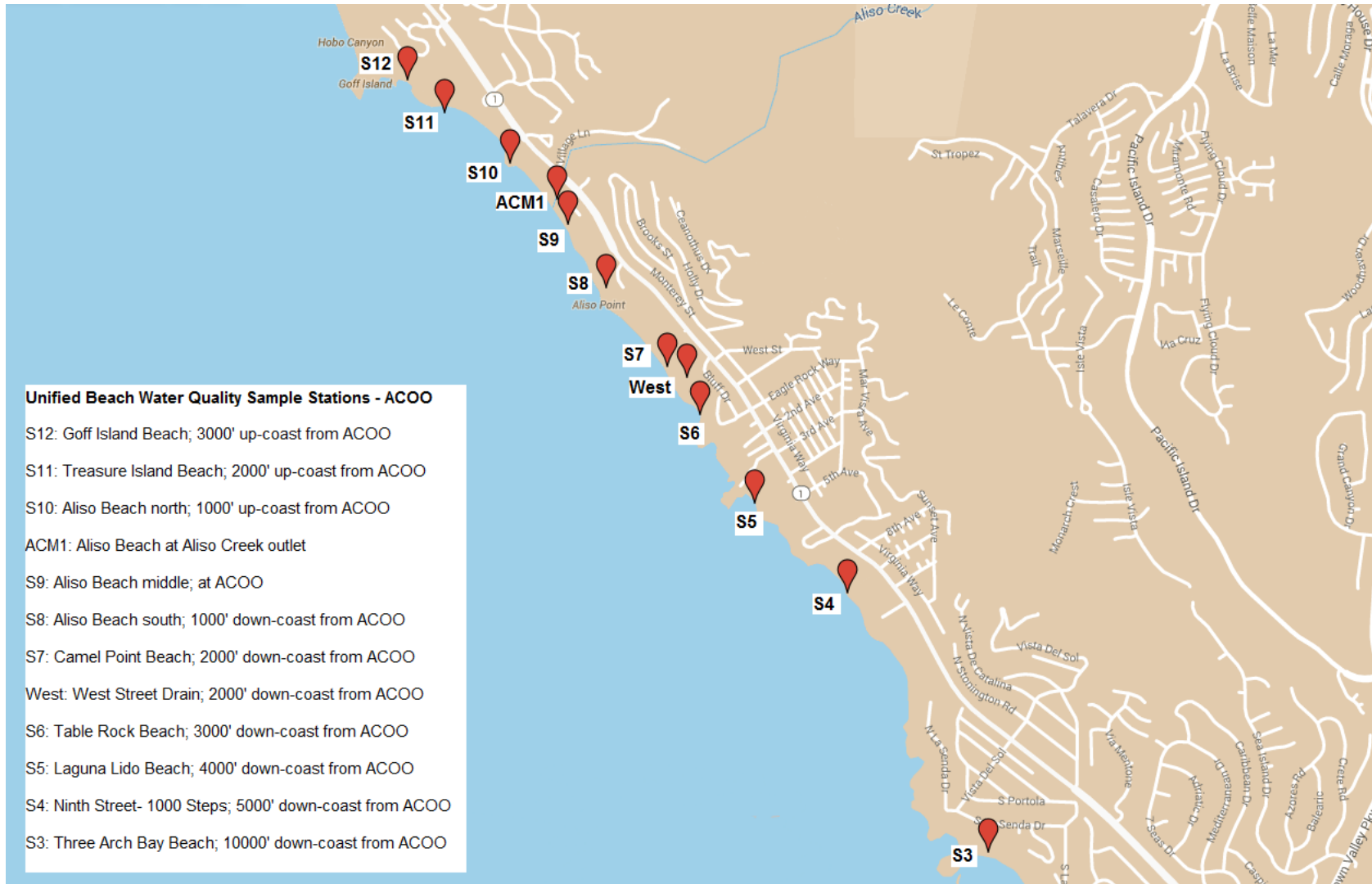
REPORT FREQUENCY: Monthly  
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan  
 SAMPLES COLLECTED BY: SOCWA Lab  
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 654  
 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	07/28/21	750	<10	<10	2	None	None	None	None	Green	68	Clear		
S4	07/28/21	1010	<10	<10	<2	None	None	None	None	Green		Clear		
S5	07/28/21	950	<10	<10	<2	None	None	None	None	Green		Clear		
S6	07/28/21	930	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	07/28/21	925	<10	<10	<2	None	None	None	None	Green		Clear		
S7	07/28/21	920	<10	<10	<2	None	None	None	None	Green		Clear		
S8	07/28/21	910	20	<10	<2	None	None	None	None	Blue		Clear		
S9	07/28/21	900	10	<10	2	None	None	None	None	Green		Clear		
ACM1	07/28/21	840	<10	<10	100	None	None	None	None	Green		Clear		
S10	07/28/21	830	<10	<10	10	None	None	None	None	Green		Clear		
S11	07/28/21	820	<10	<10	<2	None	None	None	None	Green		Clear		
S12	07/28/21	810	<10	10	<2	None	None	None	None	Green		Clear		

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

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



## Aliso Creek Ocean Outfall

### Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: July 2021

REPORT DUE: September 1, 2021

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 731

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	07/15/21	<2	<2	<2	812	0	0	
A-1	Mid depth	07/15/21	<10	<10	<10				
A-2	Surface	07/15/21	<2	<2	<2	757	0	0	
A-2	Mid depth	07/15/21	<10	<10	<10				
A-3	Surface	07/15/21	<2	<2	2	802	0	0	
A-3	Mid depth	07/15/21	<10	<10	<10				
A-4	Surface	07/15/21	<2	<2	<2	817	0	0	
A-4	Mid depth	07/15/21	<10	<10	<10				
A-5	Surface	07/15/21	<2	<2	<2	807	0	0	
A-5	Mid depth	07/15/21	<10	<10	<10				
B-1	Surface	07/15/21	<2	<2	<2	748	0	0	
B-1	Mid depth	07/15/21	<10	<10	<10				
B-2	Surface	07/15/21	<2	<2	<2	827	0	0	
B-2	Mid depth	07/15/21	<10	<10	<10				
N1	Surface	07/15/21	<2	<2	<2	846	0	0	
N2	Surface	07/15/21	<2	<2	<2	845	0	0	
N3	Surface	07/15/21	<2	<2	<2	843	0	0	
N4	Surface	07/15/21	<2	<2	<2	842	0	0	
N5	Surface	07/15/21	<2	<2	<2	840	0	0	
N6	Surface	07/15/21	<2	<2	<2	837	0	0	
N7	Surface	07/15/21	4	<2	<2	834	0	0	

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



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

ACOO Permit Order No. R9-2012-0013							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SOCWA - Regional Treatment Facility	7/31/2021	Dissolved Oxygen and Temperature	Monitoring	mg/l, C	Weekly	Not Reported	\$6000



**SOCWA and MEMBER AGENCY FACILITIES  
ACOO Spill / Overflow Report Log - 2021  
Order No. R9-2012-0013 ~ NPDES Permit No. CA0107611**

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

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

July 2021

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	inches
07/01/21	6.930	7.0	4.3	0.1	1.895	4.3	9.0	<0.1	0.014	8.4	3.5	<0.1	0.024	11.8	8.4	ND	0.544	0.201	8.700	0.00
07/02/21	6.810	7.1	5.0	0.3	1.803	6.6	5.0	<0.1	0.019	4.3	3.5	<0.1	0.010	11.0	8.0	ND	0.544	0.206	9.200	0.00
07/03/21	7.000	6.4	6.3		2.091				0.001				0.013				0.544	0.200	9.110	0.00
07/04/21	7.570	7.7	8.9	0.1	2.312				0.000				0.014				0.543	0.201	9.280	0.00
07/05/21	6.680	25.5	15.0	0.1	2.116	5.1	6.0	<0.1	0.005	6.2	7.9	0.5	0.023	10.2	7.4	ND	0.542	0.205	9.250	0.00
07/06/21	6.220	7.8	9.7	0.1	3.366	5.1	8.0	<0.1	0.027	4.4	7.0	0.1	0.078	8.4	6.4	ND	0.544	0.201	9.540	0.00
07/07/21	6.030	4.0	4.4	0.1	1.930	5.3	5.0	<0.1	0.008	3.8	3.1	0.1	0.028	11.4	7.9	ND	0.191	0.201	9.830	0.00
07/08/21	7.950	5.8	3.9	0.2	2.414	5.5	4.0	<0.1	0.041	3.6	2.7	<0.1	0.014				0.288	0.205	9.150	0.00
07/09/21	6.890	5.6	4.2	0.1	2.818	7.7	6.0	<0.1	0.009	4.5	3.2	0.1	0.014	11.0	8.2	ND	0.493	0.201	10.890	0.00
07/10/21	6.610	3.2	4.1		2.150				0.006				0.007	11.4	7.8	ND	0.491	0.205	9.450	0.00
07/11/21	6.660	5.6	7.1		2.611				0.015	3.3	3.5	0.1	0.026				0.491	0.202	9.990	0.00
07/12/21	6.600	12.2	8.4	0.1	3.065	5.7	7.0	<0.1	0.009	3.2	2.8	<0.1	0.065	10.8	7.4	ND	0.493	0.200	9.820	0.00
07/13/21	6.500	8.7	8.0	<0.1	2.552	5.2	6.0	<0.1	0.007	2.9	2.7	<0.1	0.010	5.6	4.4	ND	0.495	0.205	10.380	0.00
07/14/21	6.700	10.0	9.4	0.1	2.316	5.6	4.0	<0.1	0.006	2.8	2.4	0.1	0.011	9.4	7.2	ND	0.493	0.205	9.860	0.00
07/15/21	6.620	12.8	9.2	1.1	2.522	4.9	4.0	<0.1	0.009	2.4	2.5	<0.1	0.020	7.6	5.7	ND	0.491	0.201	9.400	0.00
07/16/21	7.090	13.3	23.2	0.2	2.269	6.9	5.0	<0.1	0.012	2.6	2.7	<0.1	0.023	11.8	8.8	ND	0.492	0.201	9.520	0.00
07/17/21	7.040	13.2	18.1		2.701				0.009	3.3	2.8	<0.1	0.029				0.489	0.205	9.600	0.00
07/18/21	6.810	4.1	6.0		1.520				0.005	2.3	2.9	<0.1	0.031				0.490	0.201	9.630	0.00
07/19/21	6.870	6.7	7.6	<0.1	3.592	8.4	6.0	<0.1	0.012	2.7	7.8	<0.1	0.014	10.0	8.3	ND	0.488	0.202	9.960	0.00
07/20/21	6.760	6.1	6.8	<0.1	2.299	7.9	8.0	<0.1	0.252	6.6	6.6	<0.1	0.013	5.8	5.0	ND	0.467	0.205	9.850	0.00
07/21/21	6.580	6.9	7.9	0.2	2.528	8.5	7.0	<0.1	0.011	9.4	5.1	0.1	0.014	7.4	5.9	ND	0.448	0.200	9.470	0.00
07/22/21	6.970	6.8	7.5	<0.1	2.086	8.8	7.0	<0.1	0.007	4.2	4.0	0.4	0.027	9.8	7.4	ND	0.445	0.206	9.810	0.00
07/23/21	6.630	27.3	13.2	2.1	1.929	11.5	8.0	<0.1	0.042	5.0	3.8	<0.1	0.011	8.4	6.0	ND	0.458	0.201	10.170	0.00
07/24/21	6.550	18.5	10.6		2.382				0.011				0.037				0.460	0.200	9.540	0.00
07/25/21	6.850	6.7	5.3		2.006	9.0	8.0	<0.1	0.009				0.016				0.483	0.204	9.470	0.02
07/26/21	6.970	9.6	6.6	0.1	2.175	9.2	12.0	<0.1	0.013	6.8	6.5	<0.1	0.013	7.0	5.0	ND	0.491	0.201	9.420	0.02
07/27/21	6.920	7.5	6.1	<0.1	2.863	8.7	17.0	<0.1	0.013	4.2	8.2	<0.1	0.014	6.2		ND	0.487	0.201	10.170	0.00
07/28/21	6.920	6.9	6.6	<0.1	2.032	6.7	14.0	<0.1	0.014	3.6	3.9	0.2	0.020	9.2	7.1	ND	0.488	0.204	9.990	0.00
07/29/21	6.940	7.1	7.6	<0.1	1.980	7.4	5.0	<0.1	0.014	4.0	3.8	<0.1	0.007	7.2	5.8	ND	0.487	0.203	9.300	0.00
07/30/21	6.950	6.5	7.7	<0.1	1.933	5.0	9.0	<0.1	0.007	4.0	4.8	<0.1	0.022	9.6	7.4	ND	0.488	0.200	9.210	0.00
07/31/21	6.840	9.5	8.6	0.3	1.856	4.6	7.0	<0.1	0.015				0.024	5.4	4.6	ND	0.488	0.202	8.710	0.00
AVG	6.821	9.2	8.3	<0.3	2.326	6.8	7.4	<0.1	0.020	4.3	4.3	<0.1	0.022	9.0	6.8	ND	0.479	0.202	9.602	
TOTAL	211.460				72.112				0.622				0.672				14.836	6.275	297.670	0.04

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1, 2021  
 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 0836

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	07/06/21	0825	<20	<20	<2	None	None	None	None	Brown	68	Turbid		
S1	07/06/21	0840	<20	<20	<2	None	None	None	None	Green		Turbid		
S2	07/06/21	0815	40	<20	8	None	None	None	None	Brown		Turbid		
DSB5	07/06/21	0810	<20	<20	2	None	None	None	None	Brown		Turbid		
S3	07/06/21	0845	<20	<20	<2	None	None	None	None	Brown	68	Turbid		
DSB4	07/06/21	0845	20	<20	<2	None	None	None	None	Green		Turbid		
S5	07/06/21	0850	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB1	07/06/21	0855	<20	<20	2	None	None	None	None	Green		Turbid		
SJC1	07/06/21	0826	100	<100	<10	None	None	None	None	Brown		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: July 2021  
 REPORT DUE: September 1, 2021  
 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 0731

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	07/15/21	0835	<20	<20	<2	None	None	None	None	Green	68	Turbid		
S1	07/15/21	0840	<20	<20	2	None	None	None	None	Green		Turbid		
S2	07/15/21	0825	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB5	07/15/21	0820	<20	<20	<2	None	None	None	None	Green		Turbid		
S3	07/15/21	0845	<20	<20	8	None	None	None	None	Green		Turbid		
DSB4	07/15/21	0845	<20	<20	4	None	None	None	None	Green		Turbid		
S5	07/15/21	0855	<20	<20	2	None	None	None	None	Green		Turbid		
DSB1	07/15/21	0905	20	<20	2	None	None	None	None	Green		Turbid		
SJC1	07/15/21	0835	<100	<100	10	None	None	None	None	Green		Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1, 2021  
 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 611

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	07/19/21	820	<20	<20	<2	None	None	None	None	Green	62	Slightly Turbid		
S1	07/19/21	825	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	07/19/21	805	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB5	07/19/21	755	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
S3	07/19/21	835	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	07/19/21	840	20	<20	2	None	None	None	None	Green		Slightly Turbid		
S5	07/19/21	850	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	07/19/21	910	80	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	07/19/21	815	<100	<100	<10	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2021  
 REPORT DUE: September 1, 2021  
 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 0616

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	07/27/21	0825	<20	<20	4	None	None	None	None	Green	66	Turbid		
S1	07/27/21	0850	<20	20	<2	None	None	None	None	Green		Turbid		
S2	07/27/21	0815	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB5	07/27/21	0805	60	<20	4	None	None	None	None	Green		Turbid		
S3	07/27/21	0851	120	200	8	None	None	None	None	Green		Turbid		
DSB4	07/27/21	0852	40	36	2	None	None	None	None	Green		Turbid		
S5	07/27/21	0910	40	60	12	None	None	None	None	Green		Turbid		
DSB1	07/27/21	0915	80	<20	14	None	None	None	None	Green		Turbid		
SJC1	07/27/21	0825	100	<100	<10	None	None	None	None	Green		Turbid		

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





## 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: July 2021

REPORT FREQUENCY: Monthly

REPORT DUE: September 1, 2021

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 731

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	07/15/21	<2	<2	<2	944	0	0	
A-1	Mid depth	07/15/21	50	20	<10				
A-2	Surface	07/15/21	<2	<2	<2	949	0	0	
A-2	Mid depth	07/15/21	<10	<10	<10				
A-3	Surface	07/15/21	<2	<2	<2	953	0	0	
A-3	Mid depth	07/15/21	10	<10	<10				
A-4	Surface	07/15/21	<2	<2	<2	1005	0	0	
A-4	Mid depth	07/15/21	140	80	30				
A-5	Surface	07/15/21	<2	<2	<2	957	0	0	
A-5	Mid depth	07/15/21	210	50	50				
B-1	Surface	07/15/21	<2	<2	<2	940	0	0	
B-1	Mid depth	07/15/21	20	20	<10				
B-2	Surface	07/15/21	<2	<2	<2	1018	0	0	
B-2	Mid depth	07/15/21	<10	<10	<10				
N1	Surface	07/15/21	<2	<2	<2	927	0	0	
N2	Surface	07/15/21	<2	<2	<2	923	0	0	
N3	Surface	07/15/21	<2	<2	<2	920	0	0	
N4	Surface	07/15/21	4	2	<2	916	0	0	
N5	Surface	07/15/21	>=10	<2	<2	913	0	0	
N6	Surface	07/15/21	2	<2	<2	911	0	0	

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

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

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



**SOCWA and MEMBER AGENCY FACILITIES**  
**SJCOO Spill / Overflow Report Log - 2021**  
**Order No. R9-2012-0012 ~ NPDES Permit No. CA0107417**

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

# Recycled Water Report

**2021 Compliance Summary Report  
Recycled Water Permit**

**Waste Discharge Requirement Order 97 - 52**

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

**2021 Compliance Summary Report  
Recycled Water Permit**

SOCWA - RTP	6/1/2021	TDS	Daily Maximum	mg/L	1100	1210	
SOCWA - RTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	6/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
TCWD - RRWRP	6/17/2021	Iron	12-Month	mg/L	0.05	0.46	
SOCWA - RTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
SOCWA - RTP	7/1/2021	TDS	Daily Maximum	mg/L	1100	1140	
SOCWA - RTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - CTP	7/1/2021	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	7/1/2021	TDS	12-Month	mg/L	1000	1138	
MNWD - 3A	7/6/2021	TDS	Daily Maximum	mg/L	1100	1130	
MNWD - 3A	7/6/2021	TDS	12-Month	mg/L	1000	1144	
MNWD - 3A	7/6/2021	Manganese	12-Month	mg/L	0.05	0.08	

## SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

### QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jul 31, 2021

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average  ***
TDS	mg/L	1000	952	1,012	882	962	1,144	1,138	1,002
Chloride	mg/L	375	233	217	203	283	223	259	247
Sulfate	mg/L	400	261	287	233	223	329	320	255
Sodium	mg/L	None	210	167	157	210	185	183	141
Alkalinity	mg/L	None	-	-	-	-	-	259	220
Adjusted SAR	Ratio	None	40.28	4.48	4.66	6.47	4.00	4.30	3.90
Iron	mg/L	0.3	0.111	0.031	0.127	0.013	0.14	0.34	0.108
Manganese	mg/L	0.05	0.015	0.028	0.040	0.006	0.07	0.106	0.072
MBAS	mg/L	0.5	ND	0.16	0.15	0.30	ND	<0.07	<0.10
Boron	mg/L	0.75	0.343	0.353	0.343	0.507	0.38	0.360	0.28
Fluoride	mg/L	None	0.43	0.700	0.48	0.58	0.96	1.08	0.81
Total Organic Carbon	mg/L	None	7.8	14.3	12.8	9.5	2.2	10.9	8.3

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

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



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

Agency	Facility or Region	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	1.00	4.00	0.00	1.73							6.73
CSJC 2	Chiquita/SMWD	18.21	22.92	28.95	33.86	33.68	40.39							178.01
CSJC 3	Non-Domestic Well	0.00	0.00	0.05	15.85	35.83	33.63							85.36
ETWD	Region 8	53.03	75.50	79.89	171.14	198.26	224.63							802.45
IRWD														
4	IRWD - 8	66.48	39.90	59.73	129.00	147.62	174.11							616.85
4	IRWD - 9	23.71	19.32	36.02	78.54	78.94	97.80							334.34
SCWD	SOCWA CTP	68.70	42.73	52.98	106.27	98.15	114.17							483.00
MNWD	JRP	151.70	275.99	386.65	551.51	567.82	536.90							2470.56
	3-A Plant	59.99	0.00	0.00	5.83	143.27	142.88							351.97
5	CTP	29.42	2.50	2.92	10.48	6.02	26.07							77.42
SMWD	Oso Creek	148.61	121.98	141.01	126.41	145.30	141.66							824.97
	Chiquita	438.61	284.46	285.90	454.13	507.69	472.52							2443.29
	Nichols	1.61	1.50	1.71	1.67	1.89	2.00							10.38
TCWD	RRWRP	50.41	43.87	52.48	49.01	46.43	43.01							285.20
TOTALS		1110.47	930.66	1129.30	1737.71	2010.88	2051.50							8970.52

- 1 Denotes transfer of recycled water from MNWD (3A Plant) for use in the CSJC service area. Not counted as additional production.
- 2 Denotes recycled water purchased from SMWD Chiquita-WRP used in the CSJC service area. Not counted as additional production.
- 3 Denotes nondomestic groundwater produced from wells used for landscape irrigation.
- 4 IRWD production is from recycled water production, nonpotable water wells, and surface water impoundments
- 5 Denotes transfer of recycled water from SCWD (SOCWA CTP) for use in the MNWD service area. Not counted as additional production.

Note: All of ETWD reclaimed water produced and used in Region 8.

NR = No Report

# Pretreatment Report

# Agenda Item

# 4H

**Legal Counsel Review:** No

**Meeting Date:** September 2, 2021

**TO:** Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Katie Greenwood, Source Control Manager

**SUBJECT:** Monthly Pretreatment Report, July and August 2021  
San Juan Creek Ocean Outfall  
NPDES Permit #CA0107417 Order #R9-2012-0012  
Aliso Creek Ocean Outfall  
NPDES Permit #CA0107611 Order #R9-2012-0013

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## Summary of Program Activities

SOCWA adopted Pretreatment Ordinance 2020-1 on October 1, 2020. Member agencies (MAs) continue the process of amending their individual pretreatment ordinances. CSC Staff confirmed plans to adopt the changes during the September 2021 City Council meeting. Once finalized, all SOCWA MAs will have updated Pretreatment Ordinances.

SCWD is in process of updating its District Policy of *Acceptance of Dry Weather Diversions (Urban Runoff) into the South Coast Water District Sewer Collection System*. The Policy mirrors SOCWA's *Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Wastewater Collection, Treatment and Disposal System* ("Nuisance Flow Diversion Policy). SOCWA Staff will be reaching out to other MAs to discuss development and adoption of similar individual policies.

On August 13, 2021, SOCWA received copy of the Report for findings associated with the Pretreatment Compliance Inspection (PCI) performed by video June 15, 2020. The virtual PCI included an interview and file review. The virtual PCI did not include a half-day of inspections per normal procedures. The Report includes five requirements and five recommendations for program improvement. All requirements are related to permit language and required facility documentation and do not require substantial program changes. Staff has until November 11, 2021, 90-days from issuance, to provide response to State Staff. Staff will distribute copy of the Report and SOCWA Response letter to MA Staff.

On August 13, 2021, SOCWA Staff received notice that State Staff and its contractors from PG Environmental was on-site to perform an in-person PCI on August 24, 2021. The PCI generally lasts one day and include a half-day of interview and file review and a half-day of inspections. The files reviewed and sites inspected are at the discretion of the State inspectors.

SOCWA Staff is in process of completing the Semi-Annual Pretreatment Report due to the Regional Water Quality Control Board–San Diego (RWQCB-SD) by September 1, 2021. Staff will distribute copy of the Report to MA Staff.

## Permit Related Activities

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

CSJC/SMWD – SWD Permit Nos. CSJC-4-002-09-25 and SOCWA-4-001-08-25 - Two new permits will be issued to SMWD for discharge to sewer facilities associated with the following facilities: 1.) Groundwater Recovery Plant (GWRP) located at 32470 Paseo Adelanto and 2.) North Open Space Pump Station and Settling Basin located at 30291 Camino Capistrano. In anticipation of SMWD annexing CSJC, SOCWA Staff is preparing to terminate existing permits issued to CSJC and to reissue new permits which replace CSJC with SMWD as the new operator and permit holder.

CSJC/SMWD – NSWD Permit No. CSJC-N4-001-08-22 - Alipaz Diversion – Shortly after SMWD annexes CSJC, Staff will terminate the existing Alipaz Diversion permit and will reissue with SMWD replacing CSJC as co-issuer with SOCWA. Under the annexation, SMWD will assume CSJC's rights and obligations under this permit.

CSJC/SMWD – WD Permit No. CSJC-2-001-12-22 Rancho Mission Viejo Riding Park – In anticipation of SMWD annexing CSJC, Staff is in discussion with legal regarding re-issuance of a new permit replacing CSJC with SMWD as the new permit issuer.

MNWD/SMWD – SWD Permit No. SOCWA-4-006 – US Alliance Holden Forbes – US Alliance submitted a permit application on June 23, 2021 requesting to discharge groundwater, associated with construction trenching efforts, to sewer facilities (specifically the Oso-Trabuco trunkline). Staff has drafted a two-year term permit with an effective date of September 7, 2021, currently under review by MA Staff. The aim for permit issuance is by September 7, 2021.

SMWD – WD Permit No. SMWD-2-004-08-26 – Forespar – Forespar submitted a renewal permit application on August 13, 2021 and a renewal permit was issued on August 20, 2021.

CSC – WD Permit No. CSC-2-004 – Flavorchem – The current permit for Flavorchem is set to expire on August 20, 2021 and Staff is in process of issuing a renewal permit for an additional five-year term.

## Trainings and Committee Meetings Attended

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

## Inspections

SOCWA Staff has started the process of conducting its required annual site inspections and monitoring/sampling of all SIU/CIU's in the SOCWA service area. This is a required activity of the SOCWA pretreatment program. The information and data obtained from these required activities will be incorporated into the SOCWA Pretreatment Annual Report.

SMWD – On July 26, 2021, SOCWA Staff inspected Forespar (WD Permit No. SMWD-2-004). The inspection noted no changes to facility processes.

CSC – On July 28-29, 2021, Staff inspected Flavorchem (WD Permit No. CSC-2-004) and sampled its process to independently verify compliance with permit requirements and limitations. Inspection results yielded no major findings or facility process changes. And, sampling results were compliant with permit limits.

CSC – On August 12, 2021, Staff inspected Glaukos (WD Permit No. CSC-1NS-001). The inspection noted no changes to facility processes and the site remains permitted as a non-significant categorical industrial user (NS-CIU).

IRWD – On August 17, 2021, Staff inspected SemiQ (formally called GP Tech). The inspection noted no changes to facility processes and the site remains permitted as a zero categorical industrial user (Z-CIU).

### Enforcement

SCWD – Staff issued a WNON to Montage on July 27, 2021 for submittal of a late report. The June 2021 self-monitoring report (SMR) was due by July 20, 2021 but was not received until July 26, 2021. The July 2021 SMR was received on time and SOCWA considers this enforcement action resolved.

### Summary of IWS Activities in the SOCWA Service Area - YTD through August 18, 2021

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSes	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	110	25	0	0	128
CSC (S)	6	10	35	18	181	1295	58	0	1	1597
CSJC (S)	1	3	27	59	137	1666	38	0	1	1930
ETWD (M)	2	4	87	0	262	132	84	0	0	568
EBSU (U)	2	1	0	0	0	0	0	0	0	1
IRWD (S)	4	4	51	21	63	937	24	0	1	1100
MNWD (S)	63	4	121	39	632	2091	202	17	0	3089
SMWD (S)	42	6	19	20	210	800	79	6	0	1134
SCWD (S)	0	8	33	7	148	182	27	0	0	405
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	8	1	0	0	0		0	0	9
Totals	70	61	378	169	1637	7236	535	11	1	10005

(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

# 4K

<b>Budgeted:</b> \$86,596
<b>Line Item:</b> PC-2,15, and 17 Line 5076
<b>Legal Counsel Review:</b> No
<b>Meeting Date:</b> September 2, 2021

**TO:** Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Jim Burror, Director of Operations

**SUBJECT:** Rockwell TechConnect Support Agreement Renewal (via OneSource Distributors Inc.) for \$51,411.21 [Project Committee Nos. 2, 15, and 17]

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## Summary

This agenda item provides a recommendation for awarding a contract for the annual renewal of the SCADA system operating licenses for the three Treatment Plants.

## Discussion/Analysis

The SCADA system for the Treatment Plants monitors many of the Treatment Plants processes, allows operators to change set points, and notifies O&M staff when operating parameters are out of designated ranges.

OneSource Distributors Inc. is the authorized vendor of the Rockwell system employed at SOCWA and is the only vendor available to SOCWA for this renewal. This and other related SCADA expenses are budgeted in the SCADA Infrastructure lines for the Project Committee Nos. 2 (JBL), 15(CTP), and 17(RTP).

## Prior Related Project Committee (PC) or Board Action(s)

None

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**Fiscal impact**

The allocation by Member Agency is presented below:

Project Committee 2 (JBL)(Common-Solids)			Project Committee 2 (JBL)(Common-Liquids)		
Agency	Allocation	Cost	Agency	Allocation	Cost
CSJC	30.00%	\$2,570.56	CSJC	30.77%	\$2,636.54
MNWD	21.62%	\$1,852.52	MNWD	23.08%	\$1,977.62
SCWD	20.00%	\$1,713.71	SCWD	28.84%	\$2,471.16
SMWD	28.38%	\$2,431.75	SMWD	17.31%	\$1,483.21
Subtotal	100.00%	\$8,568.54	Subtotal	100.00%	\$8,568.53
Project Committee 15 (CTP)(Common-Liquids)					
Agency	Allocation	Cost			
CLB	37.91%	\$6,496.66			
EBS	2.99%	\$512.40			
MNWD	29.25%	\$5,012.59			
SCWD	29.85%	\$5,115.42			
Subtotal	100.00%	\$17,137.07			
Project Committee 17 (RTP)(Common-Solids)			Project Committee 17 (RTP)(Common-Liquids)		
Agency	Allocation	Cost	Agency	Allocation	Cost
CLB	11.22%	\$961.39	CLB	0.00%	\$0.00
EBS	0.59%	\$50.55	EBS	0.00%	\$0.00
ETWD	20.41%	\$1,748.84	ETWD	0.00%	\$0.00
MNWD	58.82%	\$5,040.02	MNWD	100.00%	\$8,568.53
SCWD	8.96%	\$767.74	SCWD	0.00%	\$0.00
Subtotal	100.00%	\$8,568.54	Subtotal	100.00%	\$8,568.53
Total Contract Cost Summary By Agency					
Agency	Allocation	Cost			
CLB	14.51%	\$7,458.05			
CSJC	10.13%	\$5,207.10			
EBS	1.10%	\$562.95			
ETWD	3.40%	\$1,748.84			
MNWD	43.67%	\$22,451.27			
SCWD	19.58%	\$10,068.03			
SMWD	7.62%	\$3,914.96			
Total	100.00%	\$51,411.21			

**Recommended Action:** Staff recommends the Board of Directors authorize the General Manager to execute the Rockwell TechConnect Support Agreement with OneSource Distributors Inc. to renew SOCWA's SCADA system licenses in the amount of \$51,411.21.



# Agenda Item

# 4L

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**STAFF CONTACT:** Jason Manning, Director of Engineering  
**SUBJECT:** Capital Improvement Program Status Report

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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:*

Work continues in the Plant 1 Primary Tanks (left) and work nears completion on DAFT No. 2 (right)



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### Coastal Treatment Plant Facility Improvements

*New ferric chloride system, new collection equipment in East Sedimentation basins, concrete repair, structural improvements, new switchgear and numerous electrical upgrades:*

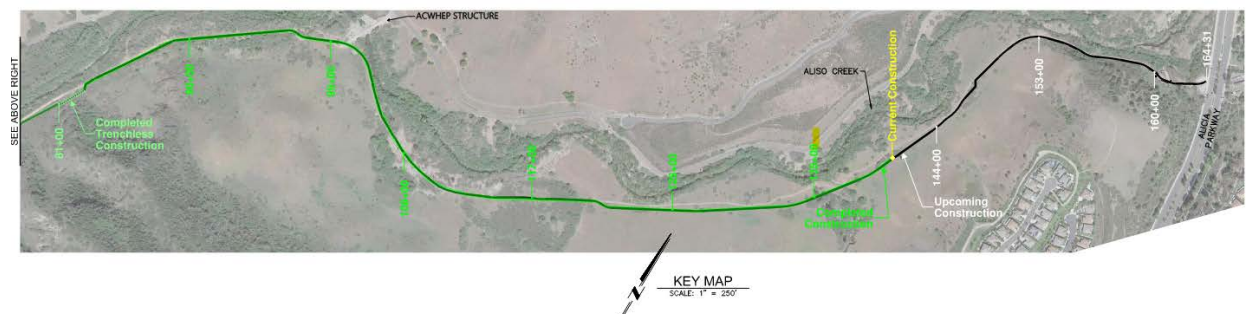
The new ferric chloride system is near completion (left). Channel coating being checked for proper coverage (right).



### Coastal Treatment Plant Sludge Force Main Replacement

*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:*

Export Sludge Force Main Construction Progress as of August 16, 2021



Horizontal direction drilling rig being serviced (left). Backfilling of newly placed piping in trench (right).



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
<b>PC 2 - J.B. Latham Treatment Plant</b>												
3220/3231/3287	Facility Improvements B	\$ 7,050,000	\$ -	In Construction	C	C	C	C				
32225C/S	Energy Building Upgrades	\$ 1,580,000	\$ 2,370,000	In Design	D	D	D	D	B&A	C	C	C
32226L	Effluent Pump Station Upgrades	\$ 375,000	\$ 2,125,000	In Design	D	D	D	D	B&A	C	C	C
32223C	Drainage Pump Station Reconstruction	\$ 133,937	\$ 44,646			D	C	C	C			
42221C	Site Storage Evaluation	\$ 60,975	\$ -			P	P	P				
42222C	Electrical Conduit and Cable Master Plan	\$ 60,975	\$ -		P	P						
52222C	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
52223C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
52221C	Arc Flash 5-Year Update	\$ 8,000	\$ -				P					
42232C	Chlorine Building and Storm Water Pump Station Condition Assessment	\$ -	\$ 50,223						CA	CA		
32233L	Plant 1 Grit Handling	\$ -	\$ 50,703								CA	CA
42231L	Influent Flow Metering Evaluation	\$ -	\$ 50,922						CA	CA		
42233C	Buried Utility Master Plan	\$ -	\$ 152,438								P	P
3285-000	Main Plant Drain Line Reconstruction (2018)	\$ -	\$ 223,136							D	D	B&A
32231S	Gas Flare Replacement	\$ -	\$ 263,384									D
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehabilitation	\$ -	\$ 331,471						D	B&A	C	C
<b>PC 5 - San Juan Creek Ocean Outfall</b>												
562210	Outfall Port Cleaning	\$ 45,000	\$ -			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
<b>PC 15 - Coastal Treatment Plant</b>												
3541-000	Export Sludge System Construction (2020)	\$ 3,248,233	\$ 1,392,100	In Construction	C	C	C	C	C	C		
3539-000	Facility Construction Improvements	\$ 2,500,000	\$ -	In Construction	C							
35228L	Aeration Blower System Upgrades	\$ 1,600,000	\$ 6,400,000	Diffusers purchased for installation in FY22. Blower design in FY23.	D	B&A	C	C	D	B&A	C	C
3522CL	West Basin Scum Collection System	\$ 400,000	\$ -		D	B&A	C	C				
3522AL	Drainage Pump Station	\$ 175,000	\$ -			CA	CA					
3525-000	Personnel Building Reconstruction	\$ 150,000	\$ -	In Design	B&A	C	C					
3522BL	Headworks Upgrades	\$ 125,000	\$ -		P	P						
35221L	Auxiliary Blower and Maintenance Building Roofs	\$ 100,000	\$ 100,000			P	P	B&A	C	C		
35229L	Foul Air System	\$ 76,422	\$ -			P						
35220L	Fiber Installation to Alicia Parkway	\$ 65,000	\$ -			B&A	C	C				
45212L	Site Storage Evaluation	\$ 50,000	\$ -			P	P	P				
45226L	Consequence of Failure Analysis	\$ 50,000	\$ -			P	P					
55222L	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
35221A	Contact Basin Gate	\$ 25,000	\$ 225,000					D	B&A	C		
55221L	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
35231L	Vehicle Storage Building Mezzanine Upgrades	\$ -	\$ 85,000						C	C		
35232L	South Embankment Protection	\$ -	\$ 175,000						B&A	C	C	
35233L/36L	Scum Pump Station and Wet Well	\$ -	\$ 289,284						B&A	C	C	
35234L	RAS/WAS Pump Station	\$ -	\$ 83,705					D	D			
35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ -	\$ 36,719								D	
35237L	Electrical Manhole/Cable Project	\$ -	\$ 85,000							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
<b>PC 17 - Regional Treatment Plant</b>												
3758-000	AWT No.2 Reconstruction (2020)	\$ 2,271,932	\$ -		B&A	C	C					
3753-000	Aeration Diffuser Upgrade (2020)	\$ 1,750,000	\$ -	In Construction	C	C						
3722CL	Aeration Basin, Gate, and Blower Upgrades	\$ 710,000	\$ 4,615,000				D	D	B&A	C	C	C
37222C	SCADA System Upgrade Project	\$ 387,131	\$ -		P	P	C	C				
3759-000	AWT No.2 Electrical Upgrades (2020)	\$ 348,070	\$ -		B&A	C	C					
37227C	Energy Building Upgrades	\$ 312,500	\$ 312,500			CA	CA	D	B&A	C	C	
3773-000	Co-Generation System Modifications (2020)	\$ 290,689	\$ -		P	P	C	C				
3722BL	Mixed Liquor Channel	\$ 284,154	\$ -			D	D	D				
3776	Effluent Pond Gate Replacement	\$ 249,885	\$ -		B&A	C	C					
47212C	Site Storage Evaluation	\$ 81,300	\$ -			P	P	P				
37229C	Laboratory Reconstruction	\$ 76,500	\$ -			P	P	P				
47222L	Secondary Effluent Conveyance Evaluation	\$ 52,621	\$ -		P	P						
37220L	Interstage Pump Station	\$ 52,346	\$ -				D	D				
37228C	West Side Storm Channel Reconstruction	\$ 50,000	\$ 200,000			D	D	B&A	C	C		
47224C	Consequence of Failure Analysis	\$ 50,000	\$ -				P	P				
37221C	West Slope Protection	\$ 39,000	\$ 156,000			D	D	B&A	C	C		
57221C	NFPA 70 Classification Mapping	\$ 30,000	\$ -			P	P					
3756-000	Secondary Clarifier Safety Repairs (2020)	\$ 29,750	\$ 55,250				D	D	B&A	C	C	C
57222C	DHS Facility Compliance Review	\$ 17,500	\$ 17,500					P	P			
57223C	Arc Flash 5-Year Update	\$ 8,000	\$ -					P				
3722AL/C/S	MCC A, C, G, H Replacement	\$ -	\$ 1,527,741	In Design					B&A	C	C	C
37230C	Admin. Bldg. Door and Window Repair	\$ -	\$ 132,748							B&A	C	C
37232L/C	Site Lighting Upgrades	\$ -	\$ 797,923							C	C	C
37237C	Instrumentation Plan	\$ -	\$ 100,446								P	P
37233L	Secondary Scum Pump Station Reconstruction	\$ -	\$ 645,542						D	D	B&A	C
37234L	RAS System Upgrades	\$ -	\$ 55,803							CA	CA	
37235L	Primary Sedimentation Collectors and Gates	\$ -	\$ 100,898									D
37238L	Grit Handling	\$ -	\$ 63,145						D	D		
37231S	Solids Area Overhaul Plan	\$ -	\$ 100,446							P	P	
37239S	Digester System Condition Assessment	\$ -	\$ 94,865								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
<b>PC 21 - Effluent Transmission Main</b>												
3107-000 (B/C/D)	Air Valve Replacement Construction (D) (2021)	\$ 377,778	\$ -	In Design		B&A	C	C				
31221B	Trail Bridge Crossing (D)	\$ 360,000	\$ 840,000			D	D	D				
31222B	Aliso ETM Reach B/C Techite Replacement	\$ 292,000	\$ 292,000				P	P	P			
3108-000 (E)	Air Valve Replacement Construction ( E) (2021)	\$ 472,222	\$ -	In Design		B&A	C	C				
<b>PC 24 - Aliso Creek Ocean Outfall</b>												
3480-000	Internal Seal Replacement	\$ 175,000	\$ -			B&A	C	C				
34222O	Golf Course Road	\$ 45,000	\$ -			CA	CA					
54221O	Outfall Port Cleaning	\$ 45,000	\$ -				ENV	ENV				
34231O	Metering and Sampling	\$ -	\$ 66,964							C	C	
34232O	Creek Section Pipeline Replacement	\$ -	\$ 50,703							P	P	

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

# Agenda Item

# 4M

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** PC-2, PC-15, & PC-17 Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Jason Manning, Director of Engineering

**SUBJECT:** Capital Improvement Program Project Financial Status and Change Orders [Project Committees 2, 15, & 17]

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## Summary/Discussion

The attached CIP Report shows the financial status of the major construction projects as well any potential and Engineering Committee reviewed change orders. Please note that there are two new change orders for PC 2 J.B. Latham Package B Project totaling \$510,256 and three new change orders for PC 15 Coastal treatment Plant Export Sludge Force Main Replacement Project totaling \$24,649.

**Recommended Action:** The Engineering Committee recommends:

- to the PC-2 Board of Directors to approve Olsson Construction Change Orders 22 and 23 for \$510,256 for the JBL Package B Project and
- to the PC-15 Board of Directors to approve JR Filanc Change Orders 2 through 4 for \$24,649 for the CTP Export Sludge Force Main Replacement Project.

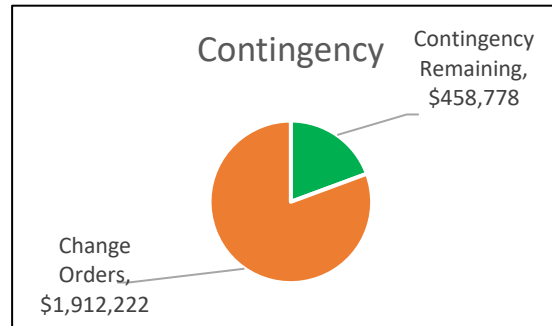
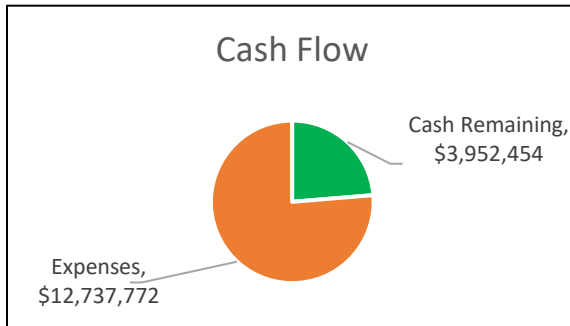


**Project Financial Status**

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

**Data Last Updated**

August 23, 2021



**Cash Flow**

Collected	\$16,690,226
Expenses	\$12,737,772

**Project Completion**

Schedule	82%
Budget	58%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 1,071,890	\$ 18,396,890	\$ 10,123,427
Butier	13647	\$ 895,727	\$ 612,715	\$ 1,508,442	\$ 970,272
Carollo	13616	\$ 846,528	\$ 227,617	\$ 1,074,145	\$ 1,014,278
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		<b>\$ 19,161,255</b>	<b>\$ 1,912,222</b>	<b>\$ 21,073,477</b>	<b>\$12,189,814</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 567,630	\$ 49,170	92.0%
Common	3231-000	\$ 96,800	\$ 67,205	\$ 29,595	69.4%
Solids	3287-000	\$ 1,657,400	\$ 1,277,387	\$ 380,013	77.1%
		<b>\$ 2,371,000</b>	<b>\$ 1,912,222</b>	<b>\$ 458,778</b>	<b>80.7%</b>

**Summary of New Change Orders**

Change Order No	CSJC	MNWD	SCWD	SMWD	Amount
22	\$8,912	\$6,684	\$8,355	\$5,013	\$28,965
23	\$144,387	\$104,063	\$96,258	\$136,582	\$481,290
<b>Grand Total</b>	<b>\$153,300</b>	<b>\$110,747</b>	<b>\$104,613</b>	<b>\$141,596</b>	<b>\$510,256</b>

**Change Orders**

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

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
7	Olsson	3287-000	Digester 4 Additional Concrete Repair	Approved by Board of Directors	8/6/2020		\$ 7,413
8	Olsson	3287-000	Repair Existing Damaged Electrical Box	Approved by Board of Directors	8/6/2020		\$ (1,829)
9	Olsson	3220-000	Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel	Approved by Board of Directors	8/6/2020		\$ 18,678
10	Olsson	3287-000	Duct bank J Interferences	Approved by Board of Directors	12/17/2020		\$ 73,639
11	Olsson	3220-000	Blasting of Existing Influent Pipe Spools	Approved by Board of Directors	12/17/2020		\$ 20,869
12	Olsson	3220-000	Duct bank K Interferences	Approved by Board of Directors	12/17/2020		\$ 15,567
13	Olsson	3287-000	Digester 3/4 PLC Relocation	Approved by Board of Directors	12/17/2020		\$ 41,368
14	Olsson	3287-000	Digester 4 Additional Tank Repair	Approved by Board of Directors	12/17/2020		\$ 33,643
15	Olsson	3220-000	Duct bank O Interferences	Approved by Board of Directors	12/17/2020		\$ 1,687
16	Olsson	3287-000	Digester 3/4 Control Building Roof Replacement	Approved by Board of Directors	2/4/2021		\$ 42,780

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
17	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Approved by Board of Directors	5/6/2021		\$ 34,392
18	Olsson	3287-000	Integrator Additional Site Visits	Approved by Board of Directors	5/6/2021		\$ 7,572
19	Olsson	3287-000	Multi-zone air conditioning unit in the Cogen MCC Room and Office	Approved by Board of Directors	6/3/2021		\$ 29,417
20	Olsson	3220-000	Overhead Walkway Removal at Plant 1 Secondary Basins 5 through 9	Approved by Board of Directors	6/3/2021		\$ 62,114
21	Olsson	3287-000	Cogeneration PLC Modifications and Integration	Approved by Board of Directors	6/3/2021		\$ 42,923
22	Olsson	3220-000	<b>Plant 1 Secondary Basins UV Rated Wear Strips</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>8/12/2021</b>		<b>\$ 28,965</b>
23	Olsson	3287-000	<b>MCC-F1 Design Change</b>	<b>Within Contingency, reviewed by Engineering Committee</b>	<b>8/12/2021</b>		<b>\$ 481,290</b>
1CM Common	Butier	3231-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$ 48,995

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1CM Liquids	Butier	3220-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$ 294,125
1CM Solids	Butier	3287-000	CM Change Order No. 1	Approved by Board of Directors	7/13/2021		\$ 269,595
1ESDC Common	Carollo	3231-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$ 18,210
1ESDC Liquids	Carollo	3220-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$ 109,256
1ESDC Solids	Carollo	3287-000	ESDC Change Order No. 1	Approved by Board of Directors	6/3/2021		\$ 100,151
PCO 002	Olsson	3287-000	Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed.	Potential Change	(blank)	-\$1,000	
PCO 004	Olsson	3287-000	Digester 4 Control Narrative needed	Potential Change	(blank)	\$5,000	
PCO 005	Olsson	3287-000	TWAS Slab Modifications	Potential Change	(blank)	\$50,000	
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1 and Relocation of MCC-F1	Potential Change	(blank)	\$350,000	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)	\$10,000	
PCO 012	Olsson	3287-000	PCL-CG Integration	Potential Change	(blank)	\$5,000	
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)	\$18,146	
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)	\$10,000	
PCO 026	Olsson	3287-000	Gas Hatch Lids Mating Connection	Potential Change	(blank)	\$7,771	
PCO 028	Olsson	3287-000	4" Gas Line Routing Modifications	Potential Change	(blank)	\$18,147	
PCO 032	Olsson	3287-000	Gas Mixer Conduit Conflict	Potential Change	(blank)	\$12,384	
PCO 037	Olsson	3231-000	Energy Building Monorail and Other Conflicts	Potential Change	12/10/2020	\$10,000	
PCO 039	Olsson	3220-000	Diversion Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020	\$5,000	
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020	\$27,884	
PCO 43	Olsson	3220-000	Telescoping Valve Pipe Support	Potential Change	(blank)	\$3,754	
PCO 66	Olsson	3287-000	DAFT 1 and 2 Repairs	Potential Change	(blank)	\$300,000	

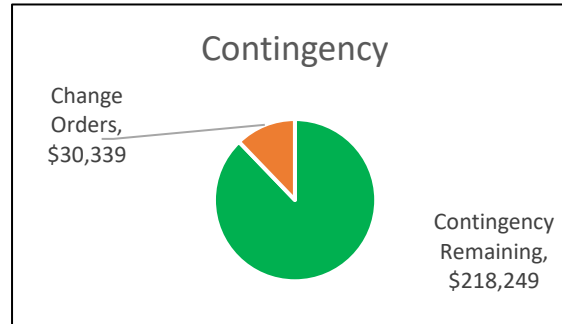
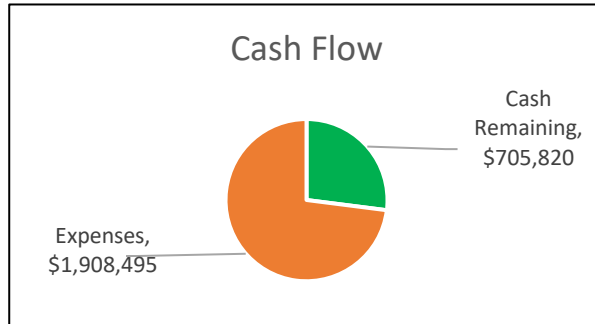
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 98	Olsson	3220-000	Effluent Pump Station Descope (A1-A6)	Potential Change	(blank)	-\$800,000	
PCO 99	Olsson	3223-000	Energy Building Modifications Descope (F1-F4, G1-G2, & H1-H2)	Potential Change	(blank)	-\$600,000	
Grand Total						-\$567,914	\$ 1,912,222

**Project Financial Status**

Project Committee	15
Project Name	Export Sludge Forcemain 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**

August 23, 2021
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**Cash Flow**

Collected	\$2,614,315
Expenses	\$1,908,495

**Project Completion**

Schedule	65%
Budget	54%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15949	\$ 3,107,346	\$ 30,339	\$ 3,137,685	\$ 1,846,937
Butier	16164	\$ 226,100	\$ -	\$ 226,100	\$ 105,105
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ 40,275
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ 190,459
Ninyo & Moore	16268	\$ 65,790	\$ 43,166	\$ 108,956	\$ 60,772
		<b>\$ 4,064,354</b>	<b>\$ 73,505</b>	<b>\$ 4,137,859</b>	<b>\$ 2,243,547</b>

**Filanc Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ 30,339	\$ 218,249	12.2%
		<b>\$ 248,588</b>	<b>\$ 30,339</b>	<b>\$ 218,249</b>	<b>12.2%</b>



**Summary of New Change Orders**

Change Order No	CLB	EBSD	MNWD	SCWD	Amount
2	\$5,920	\$466	\$4,568	\$4,661	\$15,615
3	\$2,527	\$199	\$1,950	\$1,990	\$6,666
4	\$898	\$71	\$693	\$707	\$2,368
<b>Grand Total</b>	<b>\$9,345</b>	<b>\$736</b>	<b>\$7,211</b>	<b>\$7,358</b>	<b>\$24,649</b>

**Change Orders**

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Filanc	3541-000	Alternative Fiber Optic Conduit Installation at Jack and Bore	Approved by Board of Directors	6/3/2021		\$ 5,690
2	Filanc	3541-000	HDPE Pipe Price Adjustment	Within Contingency, reviewed by Engineering Committee	8/12/2021		\$ 15,615
3	Filanc	3541-000	Existing 6-Inch Sludge Line Fix for Pressure Test	Within Contingency, reviewed by Engineering Committee	8/12/2021		\$ 6,666
4	Filanc	3541-000	18-Inch VCP Sewer Line Conflicts	Within Contingency, reviewed by Engineering Committee	8/12/2021		\$ 2,368

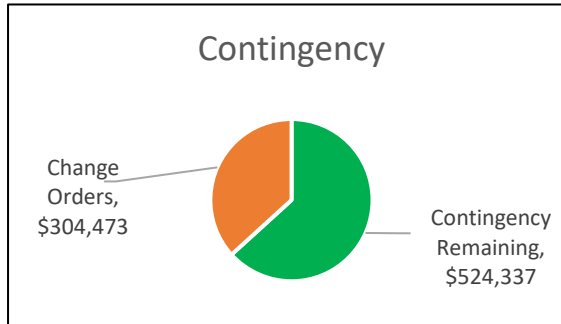
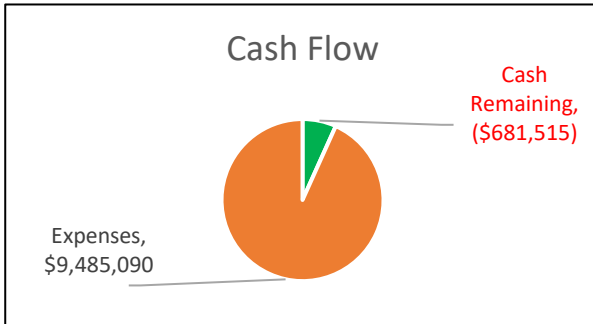
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 007	Filanc	3541-000	Lost Production with Equipment Movement	Potential Change	(blank)		
PCO 008	Filanc	3541-000	Abandoned 4" PVC Water Line Interference	Potential Change	(blank)		
PCO 009	Filanc	3541-000	Wider Trench in Low Cover	Potential Change	(blank)	\$36,000	
PCO 012	Filanc	3541-000	Jack and Bore Conflict	Potential Change	(blank)	\$110,000	
PCO 013	Filanc	3541-000	Nesting Bird Restrictions	Potential Change	(blank)		
PCO 014	Filanc	3541-000	Abandoned 12" PVC Interference	Potential Change	(blank)	\$6,000	
PCO 015	Filanc	3541-000	18-Inch VCP Sewer Line Conflict at Sta. 96+55	Potential Change	(blank)	\$6,000	
PCO 016	Filanc	3541-000	ACWHEP Unknown Buried Concrete	Potential Change	(blank)	\$30,000	
PCO 017	Filanc	3541-000	Encasement at Sta. 88+90 to 89+90	Potential Change	(blank)	\$4,000	
Grand Total						\$192,000	\$ 30,339

**Project Financial Status**

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

**Data Last Updated**

August 23, 2021
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**Cash Flow**

Collected	\$8,803,575
Expenses	\$9,485,090

**Project Completion**

Schedule	94%
Budget	96%

**Contracts**

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ (895,715)	\$ 8,313,285	\$ 8,106,713
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 812,228
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 284,376
		<b>\$ 10,511,772</b>	<b>\$ (895,715)</b>	<b>\$ 9,616,057</b>	<b>\$9,203,317</b>

**Contingency**

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 304,473	\$ 524,337	36.7%
		<b>\$ 828,810</b>	<b>\$ 304,473</b>	<b>\$ 524,337</b>	<b>36.7%</b>

**Summary of New Change Orders**

Change Order No	CLB	EBS	MNWD	SCWD	Amount
<b>Grand Total</b>					

**Change Orders**

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

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

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
22	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Approved by Board of Directors	6/3/2021		\$ 9,722
23	PCL	3539-000	Grit Chamber Conflicts	Approved by Board of Directors	6/3/2021		\$ 3,888
24	PCL	3539-000	1/2" Ferric Line Conflicts	Approved by Board of Directors	6/3/2021		\$ 784
25	PCL	3539-000	Helical Skimmer Wiring	Approved by Board of Directors	8/5/2021		\$ 1,072
26	PCL	3539-000	MCC 15 Unmarked Wire Chasing	Approved by Board of Directors	8/5/2021		\$ 6,138
27	PCL	3539-000	Unilateral Descope of Drainage Pump Station, East Basin RAS Channel, and West Secondary Sludge Collection Equipment	Approved	6/11/2021		\$ (1,200,188)
28	PCL	3539-000	Unilateral for 21 calendar days for weather and COVID-19 delays	Approved	6/16/2021		\$ -
PCO 006	PCL	3539-000	Additional Pothole Paving	Potential Change	(blank)	\$5,000	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 013	PCL	3539-000	Ferric Containment Foundation	Potential Change	(blank)	\$15,000	
PCO 015	PCL	3539-000	RAS Channel Modification Descope	Potential Change	(blank)	-\$2,000	
PCO 016	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)	\$1,500	
PCO 026	PCL	3539-000	Additional Spall Repair - East Secondary Basins	Potential Change	(blank)	\$10,000	
PCO 028	PCL	3539-000	Ops Building Gas Line Relocation	Potential Change	(blank)	\$5,000	
PCO 029	PCL	3539-000	Building 15 Concrete Restoration	Potential Change	(blank)	\$20,000	
PCO 031	PCL	3539-000	Roll Up Door Fascia	Potential Change	(blank)	\$3,000	
PCO 032	PCL	3539-000	DAF Stair Railing	Potential Change	(blank)	-\$500	
PCO 035	PCL	3539-000	Grit Chamber Conflicts	Potential Change	(blank)	\$20,000	
PCO 038	PCL	3539-000	Aeration Channel Conflicts	Potential Change	(blank)	\$8,000	
PCO 044	PCL	3539-000	Building 10 Wall Repair	Potential Change	(blank)	\$2,000	
PCO 046	PCL	3539-000	1/2" Ferric Line Conflicts	Potential Change	(blank)	\$5,000	
PCO 047	PCL	3539-000	West Telescoping Valve Improvements	Potential Change	(blank)	\$25,000	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 048	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Potential Change	(blank)	\$20,000	
PCO 050	PCL	3539-000	RAS Box Leaks	Potential Change	(blank)	\$0	
PCO 051	PCL	3539-000	Grit Grating Modifications	Potential Change	(blank)	\$0	
PCO 053	PCL	3539-000	West Grit Channel Unforeseen Conflicts	Potential Change	3/26/2021	\$15,000	
PCO 059	PCL	3539-000	Telescoping Valve Stand Modifications	Potential Change	(blank)	\$5,000	
PCO 060	PCL	3539-000	Headworks Roofing Additions	Potential Change	(blank)	\$3,500	
PCO 061	PCL	3539-000	Headworks bypass	Potential Change	(blank)	\$20,000	
PCO 062	PCL	3539-000	Additional Ferric Area Work	Potential Change	(blank)		
PCO 065	PCL	3539-000	SCE XFMR Slab Box	Potential Change	(blank)	\$20,000	
PCO 066	PCL	3539-000	Ferric Tank LIT	Potential Change	(blank)	\$2,500	
Grand Total						\$203,000	\$ (895,715)



# Agenda Item

# 4N

**Engineering Committee Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Jason Manning, Director of Engineering

**SUBJECT:** Coastal Treatment Plant Export Sludge Force Main Replacement Project  
Geotechnical Services During Construction Change Order [Project  
Committee 15]

## Overview

To support the construction of the Export Sludge Force Main Replacement Project, a geotechnical firm is needed for soils and materials testing. They work in conjunction with the construction management firm to test soil samples, test backfill compaction, and concrete strength testing.

Ninyo & Moore has been providing these services since construction began in March 2021. The initial contract value of \$65,790 was based on a set of assumptions SOCWA provided bidders. Those assumptions used maximum allowable linear feet of work per day and not the actual construction rate, therefore, the initial budget will not cover the work through the completion of the project.

Using the rate of construction so far and the remaining work to be completed, Ninyo & Moore estimates an additional budget of \$43,166 will be needed. Since this is a time and materials contract, we will only pay for services provided.

## Cost Allocation

Table 1 – Cost allocation by member agency for the Ninyo & Moore change order.

<b>Agency</b>	<b>Geotechnical Services</b>
	3534-000
CLB	\$ 16,364.42
EBSB	\$ 1,288.54
MNWD	\$ 12,627.67
SCWD	\$ 12,885.37
<b>Total</b>	<b>\$ 43,166.00</b>

Project 3534-000 is already funded and within budget.

Table 2 – Contact Allocation

	<b>Original Contract</b>	<b>Change Order No. 1</b>	<b>Total</b>
Geotechnical Services	\$ 65,790	\$43,166	\$ 108,956

**Recommended Action:** The Engineering Committee recommends to the PC-15 Board of Directors to approve the Ninyo & Moore change order in the amount of \$43,166 for a total revised contract amount of \$108,956 for the geotechnical services during construction for the Coastal Treatment Plant Export Sludge Force Main Replacement Project.

**RESOLUTION OF COMMENDATION**  
**Resolution No. 2021-06**  
**ADOPTED BY THE BOARD OF DIRECTORS**  
**OF THE**  
**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**  
**September 2, 2021**

**COMMENDATION TO KEITH BACON FOR PROVIDING DEDICATED SERVICE TO  
THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF  
SOUTHERN ORANGE COUNTY FOR THE PERIOD OF JULY 1992 TO AUGUST 2021**

**WHEREAS:** South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

**WHEREAS:** Keith Bacon began his twenty-nine-year career with the Moulton Niguel Water District as a laboratory technician. Keith transitioned to the Aliso Water Management Agency (AWMA) where he was promoted to Laboratory Technician II in 1994 and Laboratory Technician III in 2005. In 2000, AWMA/SERRA became a part of SOCWA, and in 2013, Keith was promoted to Laboratory Supervisor. In 2012 Keith was awarded the Outstanding Achievement Award. His expertise along with his historical knowledge of the SOCWA facilities will be missed.

**WHEREAS:** Keith participated actively in the HACH WIMS Super User group since its formation, becoming a national expert on the construction of water information management databases and the overall management of analytical data beneficial to operations teams and regulated entities.

**WHEREAS:** Keith transitioned the SOCWA laboratory from paper driven to paperless workflows, thus increasing organizational efficiencies. Keith leveraged paperless workflows into key software developments focused on practitioner application for the greater good of the industry.

**WHEREAS:** Keith was a key player in getting the San Diego Regional Water Quality Control Board to integrate online reporting of compliance data with monitoring activities in a streamlined manner. Keith worked with HACH WIMS to construct a database that manages information for approximately thirty percent of regulated publicly owned treatment facilities in the San Diego Region. The efficiencies created by the database system is a key reason of the success of the environmental services department at SOCWA.

**WHEREAS:** Keith spearheaded working with laboratory and plant staff at Irvine Ranch Water District, El Toro Water District, Moulton Niguel Water District, Santa Margarita Water District, Trabuco Canyon Water District, and the City of San Clemente to ensure timely and accurate reporting of data.

**WHEREAS:** During Keith's tenure with SOCWA he has been known as a supportive supervisor and a kind leader. Keith has always exhibited an open and fair approach to solve the problems that would arise. Keith also was a service based employee, responding to the needs of the SOCWA client base, remaining helpful always and with an attitude of service.

**THEREFORE, BE IT RESOLVED:** That the Board of Directors of the South Orange County Wastewater Authority and on the behalf of the member agencies of SOCWA does hereby commend Keith Bacon for his dedicated service and commitment to the mission of the South Orange County Wastewater Authority.

**PASSED AND ADOPTED** by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 2nd day of September 2021.

(Seal)

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Matt Collings, Chairman

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Betty Burnett, General Manager and Board Secretary

# Agenda Item

# 5A

**Budgeted:** PC2 Small Capital \$685,000

**Line Item:** PC-2 Project #2222-023

**Legal Counsel Review:** No

**Meeting Date:** September 2, 2021

**TO:** PC 2 Board of Directors

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Jim Burror, Director of Operations

**SUBJECT:** Small Capital JBL Digester Nos. 1 and 2 Manway Access Improvements  
General Manager Authorization [Project Committee 2]

## Summary

This agenda item provides a recommendation to authorize the General Manager to award contracts for the small capital project to improve maintenance access for Digesters Nos. 1 and 2.

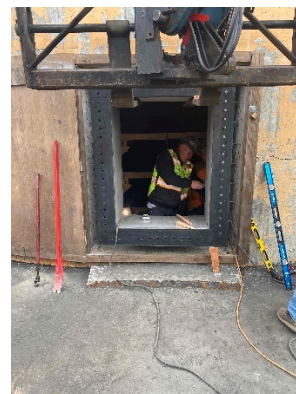
## Discussion/Analysis

SOCWA O&M staff is preparing to clean Digesters Nos. 1 and 2 in conjunction with ongoing repair work being completed under the JBL Package B Construction Project. The digesters have elevated levels of debris partly to residents flushing non-dispersable wipes during the COVID19 pandemic, and the digester materials cannot sit in place for 90 to 120 days during planned digester shutdowns. However, the existing manways are too small to accommodate OSHA confined space rescue requirements during cleaning operations. The existing manways will not accommodate both ventilation ducts and rescue egress. This project will increase the manways from 2 ft by 3 ft to 3 ft by 4 ft to accommodate the OSHA requirements for safe cleaning operations.

Below are photos of an existing manway and a proposed larger manway recently installed on Digester 3.



**Existing Digester 2 Manway**



**Digester 3 Manway**

O&M is bidding each of the four (4) major project elements to qualified contractors. However, there are several project challenges:

- 1) Stainless steel prices are currently only good for one (1) to two (2) days due to COVID19 supply chain disruptions.
- 2) The exact timing of the work elements is based on the Package B Construction schedule and is difficult to determine at this time.
- 3) Several items, including the stainless steel doors and specialty fiber structural elements, have long lead times and must be acquired immediately to accommodate the Package B Construction schedule.
- 4) There are unknown field conditions, namely the existing interior digester coating systems, that could impact the materials to be used in the work and difficult to bid without inspection.

Thus, Engineering Estimates have been prepared, and O&M staff is requesting the General Manager be authorized to award and execute a series of contracts based on best available pricing to minimize potential delays to the JBL Package B Project and minimize potential change orders to perform this work.

The following is the proposed plan for the four (4) major project elements:

#### *Manway Cutouts*

The first step for each digester is to cut out the larger manway access hole. This specialty construction work is independent of the other three (3) construction activities. The first manway is expected to be cut on September 25, 2021.

The exact timing to cut the next manway on Digester 2 is difficult to determine at this time. It is currently estimated in early January 2022. However, this work cannot start until the Package B work is complete on Digester 1. SOCWA will determine the vendor for the second manway cutout about 30-days before the expected work effort based on the updated schedules for Package B and O&M staff's progress on Digester 1. The Engineer's Estimate for each manway cutout is \$24,000.

The General Manager would award the contracts as the cutouts as pricing is finalized. Price options for the first manway cutout are currently being reviewed. The second cutout will be bid to accommodate the ongoing construction and cleaning work in Digester 1.

#### *Manway Frames and Covers Fabrication*

The fabrication of the new manway frames and covers are also independent of the other three (3) work efforts. The issues with procuring the manway frames and covers are that stainless steel prices are only being honored for one (1) to (2) days by the vendors. Thus, SOCWA needs to bid, award, and execute a contract within that short time period. It is estimated that it will take about 30 days to fabricate the manways from contract execution. The Engineer's Estimate for each manway frame and cover is \$51,000.

O&M is in the process of pricing the manway fabrication work. The General Manager would award and execute a contract for both manway frame and cover fabrications at once and within the

quotes expiration period, estimated to be only one to two days from bid receipt. The manways would be stored onsite until installation.

*Manway Installation and Grouting*

The manway frame and cover installations will be completed two to three weeks after the cutouts are completed. This will allow O&M staff to inspect the digester and determine the condition of the interior equipment and existing coating. It will also allow for O&M staff to start the digester cleaning process too. O&M staff would schedule the manway installations based on:

- 1) Current and planned Package B construction activities on the digesters
- 2) Contractor availability
- 3) Status of the ongoing cleaning efforts by O&M
- 4) Expected cure times of the repair grout(s) as it relates to performing the interior lining repairs

The Engineer's Estimate for the manway installations is \$210,000.

O&M is in the process of pricing the installation of the manways with contractors currently working at the three Treatment Plants as these firms are familiar with SOCWA facilities. The General Manager would award and execute a contract for installing both manways in the next 30 days.

*Digester Internal Coating Repairs*

After the initial manway cutouts are complete, O&M staff will inspect the internal coating system. This information will be used to support the pricing, award, and contracting process. This is because the internal coating system is not known at this time. The existing internal coating system will determine what materials will be used and how the repairs will be completed. O&M staff will get pricing for each coating system repair once there is sufficient information to allow pricing comparison. Timing is critical in order to stay within the time periods for digester cleaning in Package B of only 90 days because the coatings are expected to take three (3) weeks to cure for testing.

The Engineer's Estimate is \$25,000, total.

The General Manager would award and execute a contract to perform each interior coatings.

**Prior Related Project Committee (PC) or Board Action(s)**

None

**Fiscal impact**

Per SOCWA's Uniform Purchasing Policy and Procedures, purchases over \$50,000 are to be reviewed and approved by the Board of Directors.

These capital purchases are located in the solids area of JBL. Therefore, the costs are to be allocated using the solids ownership allocations for JBL. The following are the estimated cost allocations for the project:

PC2 Allocations - Solids Ownership		
Agency	%	Cost
CSJC	30.00%	\$ 115,500.00
MNWD	21.62%	\$ 83,237.00
SCWD	20.00%	\$ 77,000.00
SMWD	28.38%	\$ 109,263.00
Total	100.00%	\$ 385,000.00

**Recommended Action:**

SOCWA staff recommends:

- A) Project Committee 2 establish a small capital project items budget of \$385,000 for Digester Nos. 1 and 2 Manway Access Improvements.
- B) Project Committee 2 authorize the General Manager to award and execute contracts for the Digester Nos. 1 and 2 Manway Access Improvements Project for the four (4) work elements, including the Manway Cutouts, Manway Frames and Covers Fabrication, Manway Installation and Grouting, and Digester Internal Coating Repairs, as follows:
  - 1) Manway Cutouts, Engineering Estimate \$24,000 each (\$48,000 total)
  - 2) Manway Frames and Covers Fabrication, Engineering Estimate \$51,000 each (\$102,000 total)
  - 3) Manway Installation and Grouting, Engineering Estimate \$105,000 each (\$210,000 total)
  - 4) Digester Internal Coating Repairs, Engineering Estimate \$12,500 each (\$25,000 total)

# Agenda Item

## 5.B.3

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**SUBJECT:** IRWD Update on Withdrawal Request & Presentation

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### **Summary/Discussion**

The attached items were submitted to SOCWA for consideration. General Counsel will discuss these drafts at the meeting. IRWD will provide an overview of their proposal.

**Recommended Action:** Information item; Comments / Discussion



**IRWD Withdrawal from SOCWA**  
**Term Sheet**  
September 2, 2021

1. IRWD will withdraw from SOCWA and Project Committees 8, 21 and 24 and retain its current use capacity in Reaches B through E of the Effluent Transmission Main and the Aliso Creek Ocean Outfall.
2. IRWD will contract with SOCWA for services equivalent to those services provided to Member Agencies of Project Committees 8, 21 and 24.
3. The cost for IRWD's contract services will be the same as the SOCWA Board approved costs for Member Agencies of Project Committees 8, 21 and 24.
4. IRWD will fund its portion of the unfunded public pension liability through a lump-sum payment based on actuarially sound methods and approved by the Member Agencies. Thereafter, every five (5) years for a period of twenty (20) years, SOCWA and IRWD will revisit IRWD's contribution amount and IRWD shall provide any additional funds required.
5. IRWD's contract services will continue until such time as IRWD and SOCWA mutually agree to a termination agreement.
6. IRWD will remain an advisory member of the SOCWA Engineering Committee for items covered by Project Committees 21 and 24.
7. IRWD will not have a representative on the SOCWA Board.
8. IRWD will be allowed to utilize SOCWA negotiated contracts for chemicals, solids hauling, etc.
9. After its withdrawal from SOCWA, IRWD will only be responsible for debts, liabilities or claims relating to (i) its share of unfunded pension liability; (ii) the maintenance or operation of the PC 21 and 24 Facilities; and (iii) permit violations and fines that are attributable to IRWD's discharge into SOCWA facilities and programs in which it participates.
10. IRWD will continue to be governed by SOCWA's Pre-Treatment Rules/Regulations until such time as IRWD and SOCWA mutually agree to an alternate agreement.

## **Wastewater Capacity Agreement**

(IRWD – SOCWA Project Committee 21 and 24 Facilities)

This Wastewater Capacity Agreement (“**Agreement**”) is effective as of \_\_\_\_\_, 2021 (“**Effective Date**”) is between Irvine Ranch Water District (“**IRWD**”) and the South Orange County Wastewater Authority (“**SOCWA**”), on behalf of the member agencies of Project Committees 21 and 24 (together, “**Member Agencies**”) as follows:

As to Project Committee 21, the Member Agencies are El Toro Water District (“**El Toro**”), and Moulton Niguel Water District (“**Moulton Niguel**”).

As to Project Committee 24, the Member Agencies are El Toro, Moulton Niguel, the City of Laguna Beach (“**Laguna Beach**”), South Coast Water District (“**South Coast**”), and Emerald Bay Services District (“**Emerald Bay**”).

The signatories to this Agreement are each referred to as a “**Party**,” and together as the “**Parties**.” SOCWA member agencies that are not Parties have also consented to this Agreement.

A. Overview. The Member Agencies are all parties to the Joint Exercise of Powers Agreement Creating South Orange County Wastewater Authority (“**SOCWA**”), dated July 1, 2001 (the “**Joint Powers Agreement**”). SOCWA is a Joint Powers Agency made up of several water purveyors and/or wastewater service providers within the San Juan Creek and/or Aliso Creek watershed. SOCWA owns and operates wastewater treatment facilities, transmission mains, and outfalls. Where a project or facility involves less than all of the SOCWA’s member agencies, the affected member agencies form a “**Project Committee (PC)**” that is responsible for the construction, operation, and maintenance of that facility.

B. IRWD Withdrawal from SOCWA. Concurrently with the execution of this Agreement, IRWD is withdrawing from SOCWA. IRWD, at the time of its withdrawal, was a member of PC 21 and 24, and participates in SOCWA’s pretreatment program through PC 8. As required by Section 12.3 of the Joint Powers Agreement, this Agreement establishes the terms and conditions under which IRWD and the Member Agencies will continue to own and share responsibility for the maintenance and operation of the PC 21 and PC 24 Facilities.

C. PC 8 (Pretreatment Program). SOCWA’s Project Committee 8 (“**PC 8**”) manages SOCWA’s Pretreatment Program for its facilities. SOCWA is the holder of NPDES permits that regulate the pretreatment and waste discharge requirements for its facilities, including the PC 21 and 24 Facilities. IRWD is a party to a Multijurisdictional Agreement Regarding Pretreatment Program Implementation and Enforcement effective May 20, 2003 (the “**Multijurisdictional Agreement**”), that provides for joint administration and enforcement of an industrial pretreatment program designed to ensure compliance with NPDES and other regulatory requirements in connection with IRWD’s use of the PC 21 and PC 24 Facilities.

D. Project Committee 21 (Effluent Transmission Main). El Toro and Moulton Niguel (together, the “**PC 21 Member Agencies**”) are the participating Member Agencies of Project Committee 21 (“**PC 21**”) (originally established as Project Committee No. 2), which governs Reaches B, C, D, and E of the SOCWA Effluent Transmission Main (the “**PC 21 Facility**”). The Parties (or their predecessors) are signatories to the *Agreement for Design, Construction, Use, Operation, Maintenance, Repair and Replacement of Aliso Creek Interceptor Sewer and*

*Pumping Stations for Aliso Water Management Agency For and On Behalf of Project Committee No. 2*, dated January 22, 1975, as amended on October 7, 1999; October 2, 2003; and May 19, 2005; as well as the *Memorandum of Understanding Regarding Allocation of Costs, Grant Funds, and the Use of Facilities Funded by Project Committee No. 2* (together, the "**PC 2/21 Agreements**"). Pursuant to the terms of the PC 2/21 Agreements, the Participating Members collaborated with the Aliso Water Management Agency (AWMA) to design, construct, operate, and maintain the PC 21 Facility. The AWMA was a joint powers agency established for the purpose of constructing a regional program for wastewater collection, treatment, and disposal. It was consolidated with two other regional water joint powers authorities to form SOCWA in 2001.

E. PC 21 Facility Usage Allocations. The current reaches of the PC 21 Facility are depicted in Exhibit A. Pursuant to the PC 2/21 Agreements, in Reaches B, C, and D, IRWD and El Toro each maintain 50% capacity allocation. In Reach E, IRWD and El Toro maintain a 23.29% capacity allocation, and Moulton Niguel maintains 53.42% capacity allocation. In addition to its capacity allocation, Amendment No. 3 provides the terms and conditions under which IRWD may discharge its Shallow Groundwater Unit Effluent (SGU Effluent) and Reverse Osmosis Brine Discharge (RO Brine Discharge) from the Irvine Desalter Project Potable Treatment Plant into the PC 21 Facility.

F. Project Committee 24 (Aliso Creek Ocean Outfall). El Toro, Moulton Niguel, South Coast, Laguna Beach, and Emerald Bay (together, the "**PC 24 Member Agencies**") are the participating Member Agencies of Project Committee 24 ("**PC 24**") (originally established as Project Committee No. 11-A), which governs the Aliso Creek Outfall (the "**PC 24 Facility**"). The PC 24 Participating Members are signatories to the *Agreement for Acquisition of Capacity Construction, Use, Operation, and Maintenance of Outfall Facilities For Aliso Water Management Agency and For Such Agency On Behalf of Project Committee No. 11-A*, dated September 24, 1976, and subsequently amended five times between November 1976 and June, 1996 (the "**PC 24 Agreement**"). The PC 24 Agreement governed the financing, construction, operation, and maintenance of the Aliso Creek Ocean Outfall, as well as set capacity and use restrictions for each Participating Member Agency in PC 24.

G. PC 24 Facility Capacity Allocations. Pursuant to the PC 24 Agreement and the agreement of the PC 24 Member Agencies, the current capacity allocations in the PC 24 Facility are as follows:

IRWD	15.76%
El Toro	16.30%
Moulton Niguel	43.85%
South Coast	12.31%
Laguna Beach	11.00%
Emerald Bay	7.80%

The Parties therefore agree as follows:

1. **Purpose.** The purpose of this Agreement is to clarify the effect of IRWD's withdrawal from SOCWA on IRWD's use of the PC 21 and PC 24 Facilities. As of the Effective Date, IRWD is no longer a member of SOCWA and therefore no longer a member of Project Committees 21 and 24. Pursuant to the terms of this Agreement, IRWD will maintain its current rights in the PC 21 and 24 Facilities as described in the PC 2/21 Agreement and the PC 24 Agreement. The remaining members of Project Committees 21 and 24 shall not take any actions to prejudice IRWD's capacity use rights in the PC 21 and PC 24 Facilities, or any related rights, such as IRWD's right to discharge SGU Effluent and RO Brine Discharge into the PC 21 and 24 Facilities, without IRWD's prior written consent.

2. **Capacity in PC 21 Facility.** IRWD hereby assigns to SOCWA any ownership and capacity rights it has had or may have in the PC 21 Facility. In exchange for this and other valid consideration, SOCWA hereby assumes IRWD's ownership and capacity rights and grants to IRWD an irrevocable capacity use right in the PC 21 Facility in proportion to the amount described in Exhibit A. After the Effective Date, the PC 21 Participating Member Agencies will maintain their current capacity allocations in the PC 21 Facility. IRWD and the PC 21 Participating Member Agencies may not sell, lease, or assign their capacity rights in the PC 21 Facility without the written consent of the other affected members. IRWD shall maintain its rights to discharge SGU Effluent and RO Brine Discharge from the Irvine Desalter Project into the PC 21 Facility as authorized in Amendment No. 3 to the PC 2/21 Agreements.

3. **Capacity in PC 24 Facility.** IRWD hereby assigns to SOCWA any ownership and capacity rights it has had or may have in the PC 24 Facility. In exchange for this and other valid consideration, SOCWA hereby assumes IRWD's ownership and capacity rights and grants to IRWD an irrevocable capacity use right in the PC 24 Facility in proportion to the amount described in Exhibit B. After the Effective Date, the PC 24 Participating Member Agencies and IRWD will maintain their current capacity allocations in the PC 24 Facility. IRWD and the PC 24 Participating Member Agencies may not sell, lease, or assign their capacity rights in the PC 24 Facility without the written consent of the other affected members. IRWD shall maintain its rights to discharge SGU Effluent and RO Brine Discharge from the Irvine Desalter Project into the PC 24 Facility.

4. **Costs and Operating Costs.** The annual operation, maintenance, and administrative costs for the PC 21 Facility and the PC 24 Facility are allocated between the existing participating member agencies of the respective PCs on an annual basis through SOCWA's budgeting process. After the Effective Date, IRWD shall be responsible for its share of all costs and expenses related to its participation in PC 21 and PC 24, including annual operation and maintenance costs, costs of depreciation, any upgrade, expansion, or other capital, administrative, overhead or shared costs, in proportion to its capacity allocation as determined by SOCWA.

5. **Maintenance of PC Facilities.** Costs for reasonable maintenance and repair projects for the PC 21 and 24 Facilities will be allocated pursuant to Section 3. The PC members agree to undertake reasonable maintenance as determined to be necessary by the Parties.

**6. Permitting and Pretreatment.**

6.1 IRWD will continue to be governed by SOCWA's pre-treatment rules and regulations until such time as IRWD and SOCWA mutually agree to an alternate agreement. IRWD will continue to be responsible for its proportional share of costs associated with the pretreatment, permitting, and other activities of SOCWA's PC 8.

6.2 IRWD shall continue to fulfill its duties under the Multijurisdictional Agreement and any subsequent agreements governing waste discharge requirements and pretreatment, including the adoption of a pretreatment ordinance and enforcement response plan consistent with SOCWA's pretreatment program. IRWD shall enforce all requirements established by SOCWA with respect to the discharge of wastes to SOCWA facilities, and shall cooperate in any enforcement response or proceeding as requested by SOCWA.

7. **Liability; Indemnity.** The Parties hereby release IRWD from any and all claims and shall indemnify, defend, and hold harmless IRWD from any claims arising out of or relating to the debts, liabilities, obligations, or facilities owned or operated by SOCWA or any of its PCs that arise on or after the Effective Date, except those claims relating to the maintenance or operation of the PC 21 and 24 Facilities. IRWD will only be responsible for permit violations and fines that are attributable to IRWD's discharge into SOCWA facilities and programs in which it participates.

8. **Effect on Prior Rights.** The terms of this Agreement govern the Parties and supersede all contrary terms in prior agreements between the Parties with respect to IRWD's rights and responsibilities relating to the PC 21 or the PC 24 Facilities, including but not limited to the Joint Powers Agreement, the PC 2/21 Agreements, or the PC 24 Agreement. All other terms and conditions of the Joint Powers Agreement, the PC 2/21 Agreements, or the PC 24 Agreement will survive and remain in full force and effect.

9. **Termination.** This Agreement will continue in full force and effect until terminated for either of the following reasons: (a) by mutual written agreement of the Parties, or (b) for any material breach of this Agreement by any of the Parties that remains uncured 30 days after notice. To the extent of any termination for a material breach of this Agreement, the Parties shall retain all rights and remedies that they may have at law or in equity.

10. **Apportionment.** No Party assumes liability for the acts or omissions of persons other than for that Party's own respective officers, agents, or employees. If judgment is entered against the Parties because of joint or concurrent negligence of the Parties (or their officers, agents, or employees) an apportionment of liability to pay such judgment must be made by a Court of competent jurisdiction, or stipulated by the Parties. This Section 5 survives termination of the Agreement.

11. **Amendment.** This Agreement may be amended from time to time with the prior written approval of all parties to the Agreement.

**12. Miscellaneous.**

12.1 *Integration, Governing Law, Amendment.* This Agreement represents the entire understanding of the Parties as to their interests and obligations relating the Project Committee 21 Facility. To the extent that it contradicts or varies from this Agreement, no prior oral or written understanding shall be of any force or effect with respect to the matters covered by this Agreement. This Agreement is governed by the laws of the State of California and shall

be construed as if drafted by both Parties. This Agreement may not be modified except in writing, approved and executed by both Parties.

12.2 *Third Parties.* This Agreement does not create any third-party beneficiary or any rights in any person or party other than the Parties.

12.3 *Signing Authority.* Each Party represents and warrants that each person or persons executing this Agreement on its behalf is duly authorized to do so by the respective Party and that this Agreement shall bind the Parties.

12.4 *Notices.* Any written notice required by this Agreement shall be made by U.S. mail or by reliable overnight courier and delivered to the following address, together with a courtesy copy by email:

To IRWD: Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92618  
Attn: General Manager/Paul A. Cook  
(949) 453-5300  
cc by email to cook@irwd.com

With a Courtesy Copy by email to: burton@irwd.com

To [Districts]:

Either party may, by written notice to the other, designate a different address or addressee, which will be substituted immediately for that specified above.

12.5 *Severability.* If any provision of this Agreement, for any reason, is held to be invalid, illegal, or unenforceable in any respect, that invalidity, illegality, or unenforceability will not affect any other provision of this Agreement, but this Agreement will be construed as if the invalid, illegal, or unenforceable provision had never been set forth herein, and the remainder will be enforceable to the fullest extent permitted by law.

12.6 *Successors & Assigns.* The terms of this Agreement are binding upon and will inure to the benefit of and be enforceable by the respective successors and assigns of the Parties.

12.7 *Counterparts.* This Agreement may be executed in counterparts, each of which is an original, but all of which together will constitute one and the same instrument.

The Parties are signing this Agreement as of the Effective Date.

**IRVINE RANCH WATER DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Paul A. Cook, General Manager

Approved as to Form:  
Hanson Bridgett, LLP

By: \_\_\_\_\_  
District Counsel

**EL TORO WATER DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**MOULTON NIGUEL WATER DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**CITY OF LAGUNA BEACH**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**SOUTH COAST WATER DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**EMERALD BAY SERVICES DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_



Additional SOCWA Member Consents:

**City of San Clemente**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**City of San Juan Capistrano/ Capistrano Valley Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**Santa Margarita Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

**Trabuco Canyon Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

## **Withdrawal Agreement from South Orange County Wastewater Authority (Irvine Ranch Water District)**

This Withdrawal Agreement from South Orange County Wastewater Authority (“**Agreement**”) is effective as of \_\_\_\_\_, 2021 (“Effective Date”) and is between the South Orange County Wastewater Authority (“**SOCWA**”), a joint powers authority, the following member agencies of SOCWA: City of Laguna Beach, the City of San Clemente, the City of San Juan Capistrano/ Capistrano Valley Water District, El Toro Water District, Emerald Bay Services District, Moulton Niguel Water District, Santa Margarita Water District, South Coast Water District, Trabuco Canyon Water District (collectively, the “**Member Agencies**”); and the Irvine Ranch Water District (“**IRWD**”). SOCWA, the Member Agencies, and IRWD are each referred to as a “**Party**,” and together as the “**Parties**.”

A. Overview. The Member Agencies and IRWD are all parties to the Joint Exercise of Powers Agreement Creating South Orange County Wastewater Authority, dated July 1, 2001 (the “**Joint Powers Agreement**”). SOCWA is a Joint Powers Agency made up of several water purveyors and/or wastewater service providers within the San Juan Creek and/or Aliso Creek watershed. The Member Agencies of SOCWA own and operate or have capacity rights in wastewater treatment facilities, transmission mains, and outfalls.

B. IRWD Withdrawal from SOCWA. As of the Effective Date, IRWD is withdrawing from SOCWA. This Agreement provides the terms and conditions of IRWD's withdrawal from SOCWA.

C. Wastewater Capacity Agreement. Concurrently with the execution of this Agreement, IRWD is entering into the *Wastewater Capacity Agreement for Project Committee 21 and Project Committee 24 Facilities* (“**Capacity Agreement**”) under which SOCWA shall grant IRWD an irrevocable capacity use right in the Project Committee 21 and Project Committee 24 Facilities, as those terms are defined in the Capacity Agreement. As required by Section 12.3 of the Joint Powers Agreement, the Capacity Agreement establishes the terms and conditions under which IRWD and the Districts will continue to own and share responsibility for the maintenance and operation of the PC 21 and PC 24 Facilities.

The Parties therefore agree as follows:

1. **IRWD Withdrawal from SOCWA.** Effective as of the date of this Agreement, IRWD will no longer be a Member Agency of SOCWA. The Member Agencies consent to this withdrawal according to the terms and conditions of this Agreement.

2. **Public Retirement System Liability.** IRWD shall be responsible for its share of any unfunded public retirement system liability which has accrued as of, or after the Effective Date of its withdrawal, based upon its participation in SOCWA. IRWD shall fully fund its share of such unfunded public retirement system liability by making a lump-sum payment in an amount determined by actuarially sound methods approved by the Member Agencies. Thereafter, every five (5) years for a period of twenty (20) years, SOCWA and IRWD will revisit IRWD's contribution amount and IRWD shall provide any additional funds required based upon the SOCWA Board-approved Actuarial Methodology and Member Agencies Distribution

Percentages as used in the most recently SOCWA Board approved annual “Supplemental Financial Statements, Statements of Net Position, Net Pension Liability,” or other method as determined by the Parties. IRWD will in no event be treated any worse than any other Member Agency in computing these amounts. IRWD shall defend and indemnify the Member Agencies and SOCWA, against any claim that it has not timely provided its legally required notice or met its funding obligations in the manner agreed upon herein, including paying for the cost of any arbitration resulting from a dispute arising under Government Code §§ 6508.2 or 20575.

3. **Costs.** After the Effective Date, IRWD will not have any responsibility to contribute toward any operational, maintenance, capital, or administrative costs incurred by SOCWA or its Member Agencies, except those specified in writing attributed to and invoiced to IRWD pursuant to the Capacity Agreement.

4. **SOCWA Contracting.** IRWD is currently a party to multiple contracts with SOCWA and other Member Agencies for bulk purchasing of services and supplies. SOCWA shall continue to allow for IRWD to participate in joint purchasing agreements offered to Member Agencies for chemicals, solids hauling, and other services that SOCWA negotiates with third party vendors on the same terms and conditions as other Member Agencies and SOCWA.

5. **Indemnity.** SOCWA and the Member Agencies hereby release IRWD from any and all claims (except for IRWD's satisfaction of its obligations under section 2) and shall indemnify, defend, and hold harmless IRWD from any claims arising out of or relating to the debts, liabilities, obligations, or facilities of SOCWA or any of its PCs that arise after the Effective Date, except as otherwise provided in Section 2 of this Agreement or as otherwise provided for in the Capacity Agreement.

6. **Effect on Prior Rights.** The terms of this Agreement govern the Parties and supersede all contrary terms in prior agreements between the Parties, including but not limited to the Joint Powers Agreement.

7. **Miscellaneous**

7.1 *Integration, Governing Law, Amendment.* This Agreement represents the entire understanding of the Parties as to their interests and obligations relating the withdrawal of IRWD from SOCWA. To the extent that it contradicts or varies from this Agreement, no prior oral or written understanding will be of any force or effect with respect to the matters covered by this Agreement. This Agreement is governed by the laws of the State of California and will be construed as if drafted by all Parties. This Agreement may not be modified except in writing, approved and executed by the Parties.

7.2 *Third Parties.* This Agreement does not create any third-party beneficiary or any rights in any person or party other than the Parties.

7.3 *Signing Authority.* Each Party represents and warrants that each person or persons executing this Agreement on its behalf is duly authorized to do so by the respective Party and that this Agreement binds the Parties.

7.4 *Notices.* Any written notice required by this Agreement will be made by U.S. mail or by reliable overnight courier and delivered to the following address, together with a courtesy copy by email:

To IRWD: Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92618  
Attn: General Manager/Paul A. Cook  
(949) 453-5300  
cc by email to cook@irwd.com

To [SOCWA]:

To [Districts]:

Either party may, by written notice to the other, designate a different address or addressee, which will be substituted immediately for that specified above.

7.5 *Severability.* If any provision of this Agreement, for any reason, is held to be invalid, illegal, or unenforceable in any respect, that invalidity, illegality, or unenforceability will not affect any other provision of this Agreement, but this Agreement will be construed as if the invalid, illegal, or unenforceable provision had never been set forth herein, and the remainder will be enforceable to the fullest extent permitted by law.

7.6 *Successors & Assigns.* The terms of this Agreement are binding upon and will inure to the benefit of and be enforceable by the respective successors and assigns of the Parties.

7.7 *Counterparts.* This Agreement may be executed in counterparts, each of which is an original, but all of which together will constitute one and the same instrument.

The Parties are signing this Agreement as of the Effective Date.

**SOUTH ORANGE COUNTY WASTEWATER  
AUTHORITY**

Dated: \_\_\_\_\_

By: \_\_\_\_\_

**IRVINE RANCH WATER DISTRICT**

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
Paul Cook, General Manager

Approved as to Form:  
Hanson Bridgett, LLP

By: \_\_\_\_\_  
District Counsel

DRAFT

The Member Agencies hereby consent to Irvine Ranch Water District's withdrawal from SOCWA:

**City of Laguna Beach**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**City of San Clemente**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**City of San Juan Capistrano/ Capistrano Valley Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**El Toro Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**Emerald Bay Services District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**Moulton Niguel Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**Santa Margarita Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**South Coast Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

**Trabuco Canyon Water District**

Dated: \_\_\_\_\_ By: \_\_\_\_\_

# Agenda Item

# 5C

**Board of Directors Meeting**

**Meeting Date:** September 2, 2021

**TO:** Board of Directors  
**FROM:** Betty Burnett, General Manager  
**SUBJECT:** General Manager's Status Report

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## **ADMINISTRATIVE**

### Report on Employee Reimbursements

Government Code Section 53065.5 requires that each special district disclose annual reimbursements paid of at least \$100 for individual charges for services or products received. Disclosable items include meals, transportation, lodging and registration fees paid to board members or employees. The attached reimbursements list for FY 2020-21 meets the disclosure requirement.

## **ENVIRONMENTAL**

### HF183 Research

The SOCWA Board of Directors approved the research plan for FY18-19 to support the evaluation of the use of an EPA approved methodology for use in environmental monitoring at recreational locations in Southern California. The research project employs a scientific advisory board to oversee the project developments. The research group completed the optimization of the methodology to utilize a chemical called propidium monoazide (PMA) that can differentiate between live and dead cells in environmental matrices. HF-183 is being proposed by the SDRWQCB for the development of a water quality objective for REC-1 waterbodies through the triennial review process which updates the SDRWQCB's Water Quality Control Plan. HF183 concentrations in recycled water is influenced by DNA from living and dead sources. The results of this study suggest recycled water is not contributing to the proposed public health water quality objective exceedances directly through illicit discharge. The small sample size from Title 22 reclamation facilities is a limitation in this study. The results of the study were presented to the Orange County Chapter of Waterreuse. SOCWA is working with the EPA, the SAB, and associated project partners on the next steps associated with this research.

### Stormwater

SOCWA transmitted the annual stormwater reports for the Regional Treatment Plant and the Coastal Treatment Plant to the San Diego Regional Water Quality Control Board. The reports indicate the facilities are in compliance with the Stormwater Industrial General Permit.

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## **OPERATIONS UPDATES**

### **CWEA Photo Award Winner Chief Plant Operator Ernie Leal**

SOCWA's Ernie Leal won first place in the California Water Environment Association (CWEA) photo contest for 2021. The photo was taken of JBL just before the sun came up on one of our hot and humid days, but the colors in the sky were spectacular. Congratulations Ernie!



### **UPDATE ON FERRIC CHLORIDE CONTRACT RENEWAL**

Ferric Chloride is acquired by SOCWA from Miles Chemical under a contract that is in year four of a five year favorably priced agreement. The contract allows for a price increase annually based on the parties mutual agreement. Miles Chemical submitted a 2% increase and based on staff evaluation of the market; the pricing is considered reasonable. Miles has been a stable supplier and staff has issued a contract continuance for FY 2021-22. The annual cost is expected to be in the range of \$670,000. This expense is a non-discretionary expense for SOCWA.

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O&M Project Photos From Around SOCWA

Each quarter CTP staff has to remove the foul air scrubber water recirculation pumps to remove sulfur deposits. The sulfur is removed from the air treated at the Plant. The photo below shows how much build-up occurs each quarter.



CTP O&M staff installed new stairs and handrailing around the newly installed cover over the process water tank. This new equipment established a new path for employees to walk around the CTP and gives O&M access to a portion of the secondary effluent channel that was inaccessible before.



The RTP O&M staff have started going through the Plant again and repainting now that the major construction project has been completed. Below is a photo of the repainted storage shed near the Cogen Building.



O&M staff at RTP are also starting to perform a series of small capital projects on the AWT. The equipment was ordered up to nine (9) months ago but was delayed due to COVID19 supply chain disruptions. The photo below shows a 25-year-old corroded scope removed from the AWT Chlorine Contact Channel for replacement.



O&M staff at JBL recently completed the interior cleaning and external equipment repairs on Digester 3. Below are a series of photos of the O&M staff working on various components of Digester 3.



O&M staff is reinstalling the mixing system above. The installation required a specialty pour-in-place gasket. The gasket's Manufacturer representative had to be onsite to witness the O&M staff making and installing the gasket. This is because the equipment is 40-year-old and parts are not commercially available anymore.



O&M staff fabricated new followers and guides for the mixing system to be installed after the main assembly was installed.



O&M staff replaced the corroded J-Tube, which allows digester gas to stay trapped in the digester like a P-trap on a household sink.



O&M staff is pictured above fabricating other gaskets. Again, this is because the equipment is 40-year-old and parts are not commercially available anymore. To the right is a photo of the fabricated gasket.

## REIMBURSEMENT LOG FISCAL YEAR 2019-2020

Employee Name	Date	Ck #	Amount	Description
Bacon, Keith	9/10/2020	2536	\$192.00	CWEA membership renewal
	10/29/2020	2616	\$375.00	CWEA Conference Registration
Baylor, Amber	12/21/2020	2757	\$200.00	PFAS Log Codes Enabl
Baranowski, David	1/25/2021	2756	\$332.00	CWEA membership renewal
Cotinola, Jeanette	6/30/2021	3030	\$158.99	Mileage
Dos Santos, Bruno	8/20/2020	7494	\$200.00	Safety Shoes
Gardner, Richard	7/29/2020	2454	\$193.94	Safety Shoes
	4/19/2021	2897	\$106.00	CWEA membership renewal
	5/8/2021	2960	\$193.90	Safety Shoes
Gesiriech, Gage	8/26/2020	7447	\$192.33	Safety Shoes
	3/29/2021	8171	\$298.00	CWEA membership renewal
Jardin, Sean	7/31/2020	7406	\$195.90	Safety Shoes
Jones, James	7/21/2020	7341	\$195.00	Safety Shoes
LaRoche, Lance	7/28/2020	2473	\$115.00	Mileage
	5/17/2021	2964	\$550.00	Grade 4 & 5 Operator Certificate
Leal, Ernie	12/14/2020	7893	\$118.55	Small Wastewater System Operation & Maint. Class
Luce, Daethina	9/8/2020	7504	\$177.73	Safety Shoes
McConnell, Jared	8/6/2020	7411	\$192.00	CWEA membership renewal
	5/25/2021	8347	\$142.24	Mileage
	6/30/2021	8446	\$192.00	CWEA membership renewal
Navarro, Jose	7/23/2020	7414	\$200.00	Safety Shoes
Nuzzo, Garrett	8/26/2021	7460	\$188.50	Safety Shoes
	3/29/2021	8185	\$3,000.00	Education Reimbursement
Padilla, Derek	1/8/2021	7943	\$101.00	Grade 3 Mechanic Certificate
	4/29/2021	8356	\$192.00	CWEA membership renewal
Papa, Joshua	10/14/2020	7643	\$200.00	Safety Shoes
Paranal, Bryan	9/15/2020	7574	\$190.00	Grade 1 Mechanic Certificate
	4/28/2021	8358	\$192.00	CWEA membership renewal
Protopappas, Jason	7/21/2020	2444	\$200.00	Safety Shoes
Plesa, Anthony	12/16/2020	7864	\$163.11	Safety Shoes
	3/10/2021	8122	\$192.00	CWEA membership renewal
Rachac, Adam				

	11/24/2020	7794	\$192.00	CWEA membership renewal
	10/29/2021	7698	\$216.50	Education Reimbursement
	1/6/2021	7902	\$305.00	Basic Plant Operations class
	8/12/2020	7466	\$200.00	Safety Shoes
	3/21/2021	8187	\$120.00	Grade 1 Operator Certificate
Reed, David				
	3/10/2021	8126	\$106.00	Grade 3 Mechanic Certificate
	2/23/2021	8126	\$192.00	CWEA membership renewal
Riegeler, Sean				
	8/26/2020	7467	\$177.79	Safety Shoes
Santos, Charles				
	7/7/2020	7319	\$290.00	CWEA Lab Certification Seminar
	5/27/2021	8389	\$192.00	CWEA membership renewal
Shilkov, Konstantin				
	1/20/2021	2781	\$1,500.00	Education Reimbursement
Stiles, Micheal				
	3/23/2021	8193	\$192.00	CWEA membership renewal
Vassell, Bradley				
	8/19/2020	2500	\$161.00	Water Treatment Class
	12/16/2020	2714	\$445.00	Education Reimbursement
Velasco, Fernando				
	8/21/2020	7527	\$193.94	Safety Shoes
	3/16/2021	8259	\$108.02	mileage
	4/16/2021	8286	\$192.00	CWEA membership renewal
Vincent, Kyle				
	6/30/2021	8463	\$192.00	CWEA membership renewal
Wang, Katrina				
	1/6/2021	7912	\$169.34	Safety Shoes
Watson, Laura				
	8/23/2020	7530	\$188.56	Safety Shoes
Young, Roni				
	1/27/2021	2770	\$332.00	CWEA membership renewal
	3/21/2021	2928	\$275.00	PMP Exam Fee