

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



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

AGENDA

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

To Be Held by Teleconference on:
March 4, 2021
8:30 a.m.

MEMBERS OF THE PUBLIC ARE INVITED TO PARTICIPATE IN THIS TELECONFERENCE MEETING AND MAY JOIN THE MEETING VIA THE TELECONFERENCE PHONE NUMBER AND ENTER THE ID CODE. THIS IS A PHONE CALL MEETING AND NOT A WEB-CAST MEETING SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST **SEVENTY-TWO (72)** HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST DISABILITY RELATED ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST **SEVENTY-TWO (72)** HOURS PRIOR TO THE SCHEDULED MEETING.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE BY PHONE REQUEST MADE TO THE AUTHORITY ADMINISTRATIVE OFFICE AT 949-234-5452. THE AUTHORITY ADMINISTRATIVE OFFICES ARE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"), BUT ARE NOT OPEN TO THE PUBLIC DURING THE PERIOD OF STAY AT HOME ORDERS. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN **SEVENTY-TWO (72)** HOURS PRIOR TO THE MEETING, THEY WILL BE SENT TO PARTICIPANTS REQUESTING VIA EMAIL DELIVERY. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IMMEDIATELY ON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES.

FOR MEETING PARTICIPATION:

TELECONFERENCE PHONE NUMBER: 213-279-1455
TELECONFERENCE ID: 149 170 45

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.

4. CONSENT CALENDAR

A. Minutes of Board Meeting 1

- Board of Directors February 4, 2021

ACTION The Board will be requested to approve subject Minutes as submitted.

B. Minutes of Finance Committee Meeting38

- Finance Committee January 19, 2021

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

C. Minutes of Engineering Committee Meeting41

- Engineering Committee January 14, 2021

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

D. Financial Reports for the Month of January 202145

1. Summary of Disbursements for January 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)

ACTION: The Finance Committee recommends to the Board of Directors to ratify the January 2021 disbursements for the period from January 1, 2021, through January 31, 2021, totaling \$3,583,938 and to receive and file the January 2021 Financial Reports as submitted.

E. January 2021 Operations Reports63

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 January 2021 Operations Reports as submitted.

PAGE NO

F. Capital Improvement Program Status Report	102
ACTION: The Board will be requested to receive and file the reports as submitted.	
G. Capital Improvement Program Project Financial Status and Change Orders [Project Committee 2, 5, 15, & 17]	118
ACTION: The Board will be requested to receive and file the Capital Improvement Program Project Financial Status and Change Orders Report as submitted.	
5. <u>ENGINEERING MATTERS</u>	
A. JB Latham Treatment Plant Digester 4 Internal Coating [Project Committee 2]	134
ACTION: Staff recommends to the PC 2 Board to award the contract to Murphy Industrial Coatings, Inc. in the amount of \$118,895 for the internal coating on the JB Latham Treatment Plant Digester 4.	
B. Regional Treatment Plant Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]	136
ACTION: Engineering Committee recommends to the PC 17 Board to award the construction contract to JR Filanc in the amount of \$1,7747,194 with a contingency of \$209,663 for the construction of the RTP Aeration Diffuser Project.	
6. <u>GENERAL MANAGER'S REPORTS</u>	
A. Highlights Report for Southern California Alliance of POTWs	138
• Verbal Report	
ACTION: The Board will be requested to provide questions and comments.	
B. SOCWA Winter Newsletter.....	139
ACTION: Board discussion.	
C. General Manager's Status Report	144
ACTION: Information Item	
7. <u>OTHER MATTERS</u>	
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
APRIL 1, 2021

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

DRAFT

Board of Directors

February 4, 2021

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

DENNIS ERDMAN	South Coast Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
DAN FERONS	Santa Margarita Water District	Director
TONI ISEMAN	City of Laguna Beach	Director
KATHRYN FRESHLEY	El Toro Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director [arrived @ 9:08 a.m.]
MIKE DUNBAR	Emerald Bay Service District	Director
DOUG REINHART	Irvine Ranch Water District	Director

Absent:

DAVE REBENS DORF	City of San Clemente	Director
SERGIO FARIAS	City of San Juan Capistrano	Director

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
SEAN PEACHER	Environmental Safety Risk Manager
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law Firm
GREG MOSER	Procopio Law Firm
MIKE GASKINS	El Toro Water District
DENNIS CAFFERTY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
ROGER BUTOW	Clean Water Now (CWN)
ROGER BUTOW	Clean Water Now (CWN)
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
BETTY OLSON	Santa Margarita Water District
RICK SHINTAKU	South Coast Water District
TARYN KJOLSING	South Coast Water District
DAVID SHISSLER	City of Laguna Beach
FERNANDO PALUDI	Trabuco Canyon Water District

1. CALL TO ORDER

Chairperson Erdman called the meeting to order at 8:38 a.m.

2. PLEDGE OF ALLEGIANCE – Director Dan Ferons

3. ORAL COMMUNICATIONS

Director Dunbar gave acknowledgement and congratulations to Moulton Niguel Water District on their distinguished achievement of being ranked no. five of the Top Workplace in the USA, and no. three in Workplace Innovation. Mr. Dunbar stated that Moulton Niguel has set the bar high for others and hope others are inspired to achieve such high standards.

Mr. Butow of Clean Water Now (CWN) commented on the investigative order of the Aliso Creek Berm noting that CWN does not agree that the area behind the berm is an estuary.

4. CONSENT CALENDAR

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Erdman to approve the Consent Calendar agenda items A through N as submitted.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 3
Director Dunbar	Aye
Director Freshley	Aye
Director Dopudja	Absent
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Erdman	Aye
Director Farias	Absent
Director Rebensdorf	Absent

5. ENGINEERING MATTERS

A. Coastal Treatment Plant (CTP) Sludge Force Main Replacement Project Construction Management Proposal Review [Project Committee 15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Iseman to award the time and materials contract to Butier Engineers in the amount of \$226,100 for the construction management services during construction for the CTP Sludge Force Main Replacement Project.

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 0
Director Dunbar	Aye
Director Collings	Abstain
Director Iseman	Aye
Director Erdman	Aye

6. GENERAL MANAGER’S REPORTS

- A. Resolution No. 2021-01 Commendation for Ray Miller for Providing Dedicated Service to The South Orange County Wastewater Authority and the Residents of the South Orange County.

Director Dunbar stated as to his friendship and mentorship with Director Miller over the years and having been introduced to the South Coast Water District through Ray Miller; Director Dunbar noted Director Miller often advised cooperation by noting that “it is a people world.” Director Dunbar commented that Ray will be missed.

Director Iseman spoke of the gentleness of spirit and wisdom Ray Miller would bring in his interactions as a benefit to the Board.

Director Reinhardt noted his long friendship with Ray Miller and his wife Marianne and that he will be missed.

Director Ferons noted that Director Miller offered to always be helpful and share history being a wealth of information about Orange County as Ray Miller had been working in South Orange County since his days involved with the Orange County Water Works District Number 4.

Director Erdman noted that he first met Ray Miller when Mr. Erdman was a Director at Tri-Cities Municipal Water District. Director Erdman noted that Mr. Miller’s life and affairs were a great influence on him, and he considered him a mentor.

Other Directors noted that although they did not know Mr. Miller for a lengthy time they enjoyed interaction and working with him.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Reinhart to adopt Resolution No. 2021-01 and authorize Chairman Erdman to sign the Commendation on behalf of the Board of Directors of the South Orange County Wastewater Authority.

Motion carried:	Aye 8, Nay 0, Abstained 0, Absent 2
Director Dunbar	Aye
Director Freshley	Aye
Alternate Director Paludi	Aye
Director Collings	Aye
Director Reinhart	Aye
Director Iseman	Aye
Director Ferons	Aye
Director Erdman	Aye
Director Farias	Absent
Director Rebensdorf	Absent

- B. JPA Revision Process: Update from the Procopio Firm on the Progress to Date

Attorney Moser, SOCWA’s legal counsel, provided an overview of the provided PowerPoint as to the status of the ongoing work in progress to address elements needed in the JPA revision process. Mr. Moser noted that draft documents are in circulation to the General Counsels of the Member Agencies. He described what work to prepare the

compendium of Project Committee documents and prepared summaries detailing capacities, ownership, and key terms. Attorney Ochoa covered the items circulated and noted that the General Counsels and Managers of the agencies would be invited to Q&A sessions to learn about the work products produced and to garner additional comments to the draft JPA revision documents. Both Mr. Moser and Ms. Ochoa noted that development of a common understanding of the hundreds of pages of historical documents would provide a basis to move ahead. An open discussion ensued.

This was an information item; no action was taken.

C. General Manager's Reports

General Manager Burnett noted that Katie Greenwood of SOCWA staff was named P3 Employee of the Year by the CWEA Section Santa Ana River (SARBS) in 1st place. Ms. Burnett also noted that SOCWA had no reportable OSHA injuries in the last 12 months and thanked Sean Peacher and Jim Burror for running the safety and compliance programs at SOCWA that assisted in meeting this goal. Ms. Burnett noted the Southern California Association of POTWs (SCAP) Highlights provided by Steve Jepsen as an attachment to her regular report and that Mr. Jepsen would be invited to attend the Board meeting in March or April to brief SOCWA on SCAP priorities. Ms. Burnett commented as well that an Employee Newsletter has been circulated highlighting the CWEA awards to SOCWA employees in 2019 and the SOCWA CAFR receiving the GFOA award Chairman Erdman offered his congratulations to staff.

Director Collings asked that prior to any further distribution of the SOCWA Newsletter the matter be on the agenda for discussion in March 2021. An open discussion ensued.

This was an information item; no action was taken.

The Board convened at 9:42 a.m. for a five (5) minute break
The Board reconvened at 9:47 a.m.

7. SOCWA Board Workshop: Agency presentations future use of SOCWA Services and Facilities

Chairman Erdman opened the workshop at 9:47 a.m., and General Manager Burnett described the order for agency reports.

Trabuco Canyon Water District (TCWD) overview was provided by Alternate Director Paludi. Director Paludi noted that the Robinson Ranch Treatment Plant treats between .5 and 1 mgd of wastewater flow with the water reused for irrigation. Treated solids material is disposed of via hauling services after dewatering on site. TCWD foresees no change in the services it utilizes at SOCWA which include participation in PC 2SO (PC 12) for recycled water permitting and compliance. TCWD also will continue to participate in the purchasing contracting accomplished by SOCWA's Director of Operations.

City of San Clemente (CSC) overview was provided by a written communication provided before the meeting from Director Rebensdorf that was read into record by Ms. Burnett as follows: "The city intends to expand its recycled water customer base to include an additional 250 acre feet per year, reducing outfall flows by an average of approximately .2 MGD over the next five years. In addition, SMWD plans to purchase excess recycled water the city does not use through an interconnection at Avenida Pico and La Pata for customer use or storage within Trampas Reservoir. This interconnection will provide an opportunity for the city to participate in a future project with SMWD for Direct or Indirect Potable Reuse which may

further reduce the city's outfall flows. Regardless of the potential future reductions in flow, the city will need capacity and use of the outfall during recycled water production outages and during storm events”.

City of Laguna Beach (CLB) overview was provided by Alternate Director Shissler noting the continuing use of the Coastal Treatment Plant (CTP) and the Regional Treatment Plant for solids treatment. Additionally, PC 15 is working with consulting engineers Hazen and Sawyer to consider options to treat 4 mgd of daily flows at the CTP. There is no anticipated change in use of the Regional Plant. PC 23 (Emerald Bay Services District and the City) are working on an intertie project and agreement with South Coast Water District that would assist in management of the North Coast Interceptor and South Coast's Forcemain for both partner agencies.

San Juan Capistrano (SJC) overview was noted to be included with the Santa Margarita Water District presentation by Director Ferons.

El Toro Water District (ETWD) overview was provided by Alternate Director Cafferty. Alternate Director Cafferty noted that ETWD participates in four SOCWA Project Committees and sees no strategic changes to its use of services or facilities. He provided an overview comparison of data on usage from the years 2000 to 2020 noting that there has been a 30% decrease in liquids due to conservation and a corresponding decrease in solids in the same percentage range. Alternate Director Cafferty noted that ETWD's treatment plant has experienced an increase in BOD and suspended solids over the same period. Presently, ETWD delivers 5500 pounds per day of solids for digestion and gas production at the Regional Treatment Plant and that is down from 7900 pounds per day in the year 2000. He noted that ETWD currently utilizes one-half of its owned solids treatment capacity at the Regional Treatment Plant. Alternate Director Cafferty noted that some additional treatment changes could drop solids production by another 1000 pounds per day and expects the foreseeable delivers to be between 4000 and 5000 pounds per day. He noted that ETWD has conducted an alternative options analysis and found that the current approach is cost effective to continue. He also noted no anticipated change in the use of the Effluent Transmission Main (PC 21) or the Aliso Creek Ocean Outfall (ACCOO) which is PC 24. In summary, ETWD use of the Effluent Transmission Main is expected to remain at or around 2.4 mgd which is down from 4.8 mgd in the year 2000. Additionally, ETWD drop in effluent discharged has occurred from 40% of their flows going to the recycled water project constructed in 2012, and the remainder due to conservation. ETWD could add some additional recycled water delivery infrastructure in the future and if it did, it would reduce effluent flows by approximately .5 mgd. Like many agencies ETWD is also interested in the possibility of potable reuse into the future.

Emerald Bay Services District (EBSD) overview was provided by Director Dunbar who noted that EBSD would continue its participation at the Coastal and Regional Plants status quo and will be working with the City of Laguna Beach on planning for the North Coast Interceptor (PC 23).

Irvine Ranch Water District (IRWD) overview was provided by Director Reinhardt noting that the District would continue capacity ownership but contract in the future with SOCWA to alleviate IRWD's participation in SOCWA governance. Additionally, IRWD plans to continue in participation with the services contracts for chemicals and disposal as opportunities allow and are of benefit.

Moulton Niguel Water District (MNWD) overview was provided by Director Collings noting a map of several projects that relate to the use of the Regional Treatment Plant and the JB Latham Facility. The District is conducting a project to improve the regional forcemain near Alicia Parkway that delivers approximately one-half of the flows to the Regional Treatment

Plant. That project will allow for repurpose of an existing pipeline to provide a redundant system for the discharge of treated flows to the ETM from the Regional Plant. MNWD is also two years into a planned three-year study of inflow and infiltration with work in the coming year focusing on sub-sewershed areas. MNWD is working with ADS for flow monitoring services during the wet weather season. Additionally, the District is in the early stages of a feasibility review of the option to develop a reuse / DPR project at the Regional Treatment Plant. That project concept would utilize the Laguna Niguel Regional Lake for water storage. MNWD has retained GEI Consultants for work on the feasibility study. GEI is developing a water quality sampling plan to identify the level of treatment required and provide a basis for discussion with regulatory agencies. Director Collings noted that MNWD is utilizing its wastewater 60% to 70% for recycled water deliveries to its community and is looking at the option to increase reuse capacity by moving water currently delivered to the JB Latham Plant to either the 3A facility (owned and operated by MNWD) or to the Regional Treatment Plant for inclusion in the advanced reuse project. That would require construction of a lift station at Camino Capistrano and the location and design concepts should be developed by the end of 2021. The volume of flow under consideration for that project is 1 mgd. The development of that project is several years away. Director Collings noted that .4 mgd would stay at the JBL Facility. Further work at MNWD is going on for the improvement of the 3A Facility with the present project to improve solids processing and next the liquids processing including tertiary treatment facilities. The District sees no changes to the capacity needs of the two ocean outfalls. Director Erdman inquired of Director Collings as to the build out status of the MNWD service area and Director Collings note that MNWD is 98% built out. The option of additional development is present for federally owned lands that may be sold, which is approximately 60-90 acres.

Santa Margarita Water District (SMWD) overview began with an introduction by Director Ferons who invited Alternate Director Bunts to continue. Alternate Director Bunts provided an overview of a PowerPoint describing first the strategic goals of the District being 100% recycling of its produced wastewater and a goal of 30-50% locally reliable potable water supply. The identified strategic objectives for the District included local, sustainable, and reliable options. He noted that SMWD has 6 different plants to work with for water treatment options. He noted that some flows are treatment from the District's service area at the City of San Clemente Treatment Plant and at IRWD's Los Alisos Facility for approximately .67 mgd. SMWD has focused on sewersheds and 3.5 mgd is projected to be treated in the future at a rebuilt OSO Treatment Plant and as development continues to the east and south of the Chiquita Treatment Plant, flows will go up to 9.97 mgd from the current 6.5 mgd treated. Approximately .75 mgd will be treated at the City of San Clemente Facility. The District is 82% built out and it is anticipated that in the coming years 10,000 to 11,000 homes will add flow to the Chiquita Treatment Plant. Alternate Director Bunts covered additional information regarding the design of SMWD program. The District is looking at a demand of 15,000 acre feet year (afy) for recycled water with current supply requirements at 7,705 afy. The future demands are planned to be met through expansion of the OSO Plant to 3.4 mgd. The OSO Plant will be demolished and rebuilt. The District also is looking to intercept flows at Oso Parkway and the 5 freeway and pump to the OSO Plant. The project will mean that flows at JBL will increase in the next two years to 1.8 mgd and in 18-24 months when the project is completed drop off. Another future project is the plan to introduce recycled water into the San Juan Basin as recharge. In addition to the construction at the OSO Plant, the Chiquita Plant has an expansion underway with the addition of primary basins just completed and work on the secondary clarifier starting and the Plant will double its aeration capacity. As the District plans to annex the City of San Juan Capistrano sewer service area and complete that in July 2021, 3.5 mgd of flows will continue to be delivered to the JB Latham Plant into the future.

South Coast Water District (SCWD) overview was given by General Manager Rick Shintaku who highlighted the District's service area characteristics and noted that over 30% water conservation has occurred since the last drought. The District utilizes 70% of its flows delivered to the Coastal Treatment Plant for recycled water and plans to add the next 30% into the future and meet service needs including a peak hour demand total of 4.5 mgd. Currently the District utilizes 900 afy of recycled water and has a goal to raise that to 1350 afy of reused water. System treatment of wastewater flows 1.7 mgd at the JB Latham Facility and 1.1 mgd at the Coastal Treatment Plant and are expected to remain steady over the next 30 years. The potable demand forecast is given in a range from 4.7 mgd (5,200 afy) to 5.1 mgd (5,700 afy) over a projected 50-year future.

Various participants expressed interest in the given presentations. This was an information item; no action was taken. The workshop was called to a close by the Chairman Erdman at 10:40 a.m.

8. Other Matters

None

ADJOURNMENT

There being no further business, Director Erdman adjourned the meeting at 10:41 a.m. in memory of Director Ray Miller.

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 February 4, 2021 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

City of San Clemente

SOCWA Board Meeting

February 4, 2021

The city intends to expand its recycled water customer base to include an additional 250 acre feet per year, reducing outfall flows by an average of approximately .2 MGD over the next five years. In addition, SMWD plans to purchase excess recycled water the city does not use through an interconnection at Avenida Pico and La Pata for customer use or storage within Trampas Reservoir. This interconnection will provide an opportunity for the city to participate in a future project with SMWD for Direct or Indirect Potable Reuse which may further reduce the city's outfall flows. Regardless of the potential future reductions in flow, the city will need capacity and use of the outfall during recycled water production outages and during storm events.

MNWD WASTEWATER PROJECTS

- Legend**
- MNWD Service Area
 - 3A Tributary Basin
 - JB Latham Tributary Basin
 - Regional Tributary Basin
 - Wastewater Lift Station
 - Wastewater Treatment Plant

5. MULTI-YEAR INFLOW AND INFILTRATION ANALYSES

4. REHABILITATION AND REPLACEMENT PROJECTS AT PLANT 3A

3. CAMINO CAPISTRANO LIFT STATION AND FORCEMAIN TO PLANT 3A

1. REGIONAL FORCEMAIN REPLACEMENT PROJECT

2. REUSE AT REGIONAL TREATMENT PLANT

Regional Sewage Lift Station

3A Treatment Plant

Camino Capistrano Lift Station

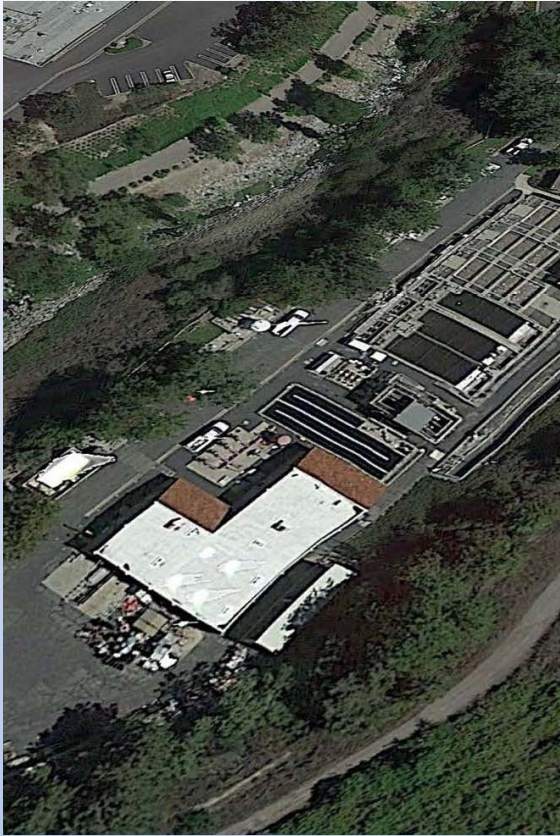
Regional Treatment Plant

JB Latham Treatment Plant



Scale = 1:15,000





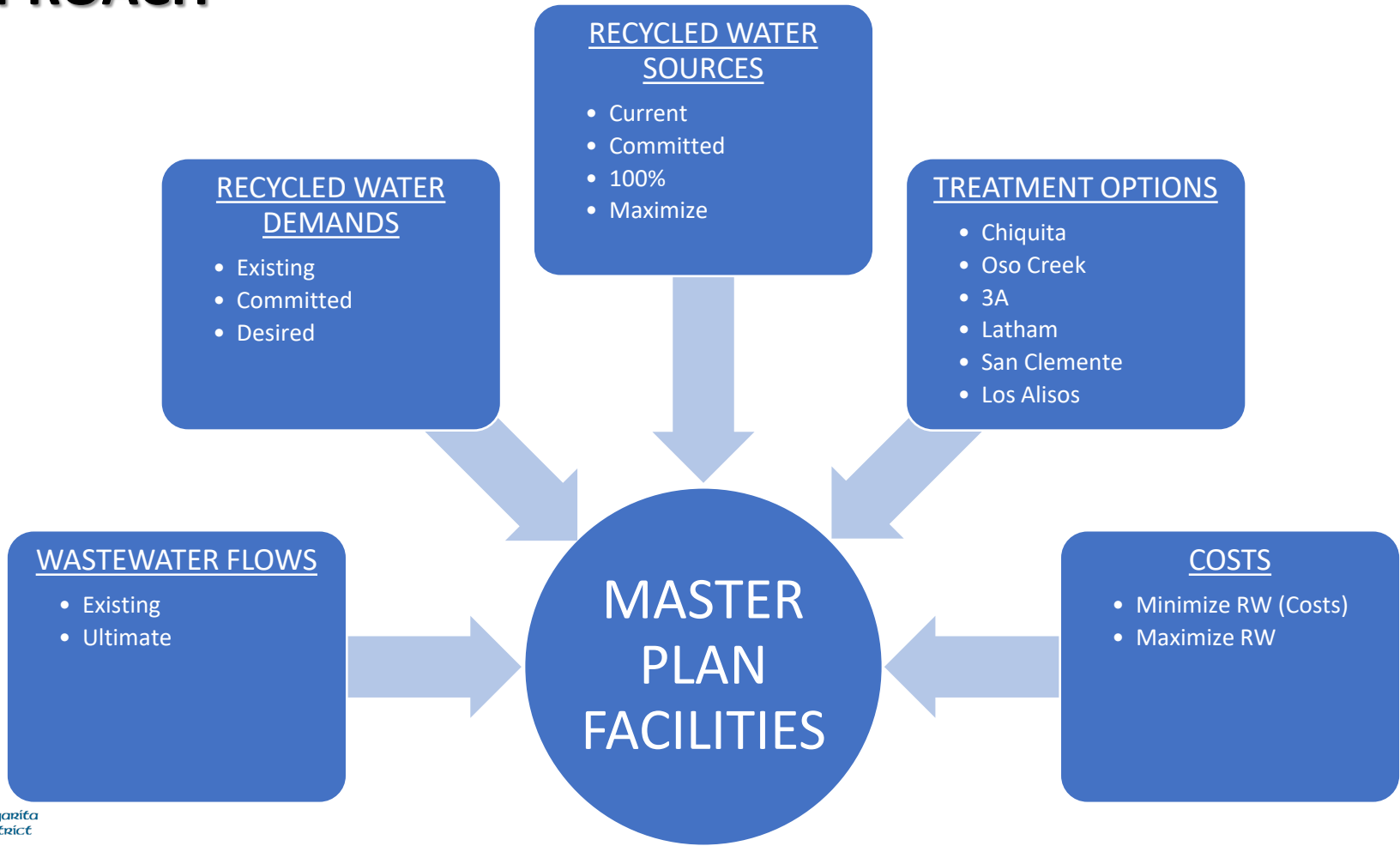
Santa Margarita Water District

Wastewater Master Plan

SOCWA Board Mtg
February 4, 2021

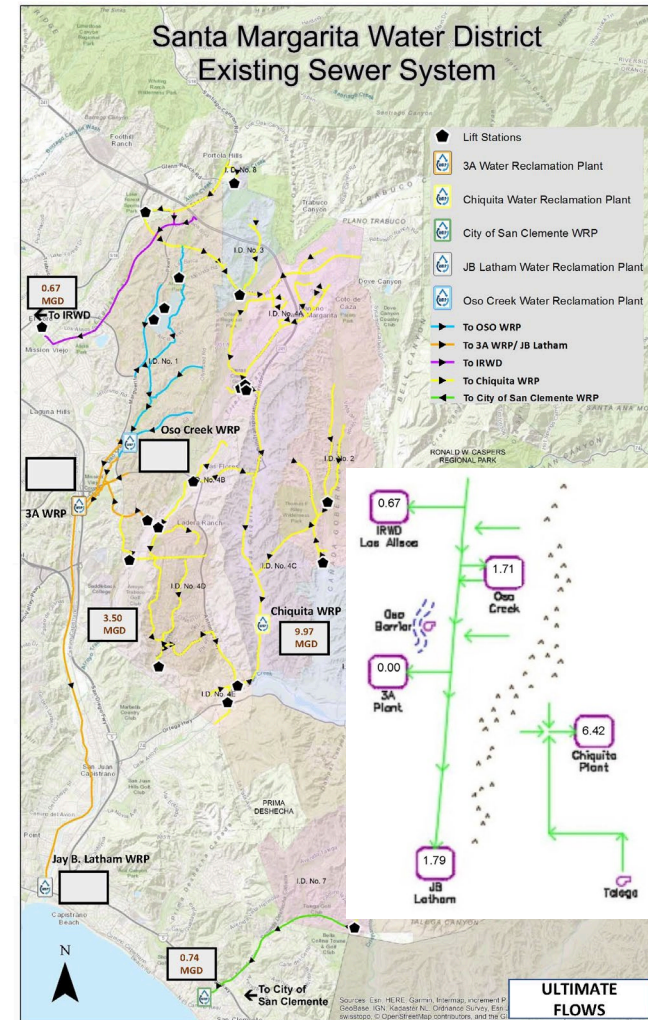


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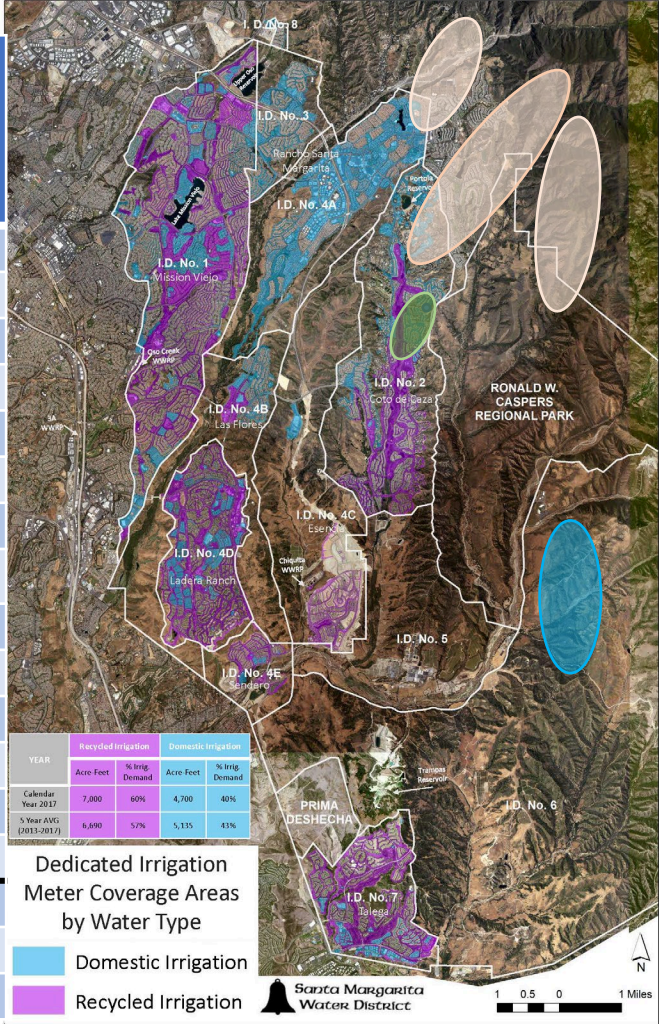
Ultimate Wastewater Flows (by Sewershed)

Facility	Current Flow (MGD)	Future Flow (MGD)
Oso Creek WRP	1.71	
3A WRP		
J.B. Latham	1.79	
Basin Subtotal	3.50	3.50
City of San Clemente	0.74	0.74
Chiquita WRP	5.68	9.97
Basin Subtotal	6.42	10.71
Los Alisos WRP	0.67	0.67
Total Flow	10.59	14.88



Desired Recycled Water Demands (2019)

ID	Area	Current Recycled Water Demand (AFY)	Committed Additional Future Recycled Water Demand (AFY)	Desired Additional Future Recycled Water Demand (AFY)
1	Mission Viejo	2,766	-	134
2	Coto de Caza	1,040	-	210
3	RSM-Melinda	0	-	150
4A	City of RSM	0	-	1,000
4B	Las Flores	103	197	-
4C & E	Sendero/Esencia	561	279	-
4D	Ladera Ranch	1,513	-	387
7	Talega	1,013	-	87
8	Hidden Ridge	0	-	20
1	Lakefill	250	-	40
4E & 5	Lapeyre	5	4,645	-
4C & E	Construction	141	-	-
	Other Agency	213	487	-
	District Use	100	-	-
	Total	7,705	5,608	2,028
	Total Future Committed Flow		13,313	
	Total Future Desired Flow			15,341



100% WW Recycled & Max Sources of Recycled Water (2019)

Current Demand ~ 7,705 AFY
 Committed Demand ~ 13,313 AFY
 Desired Demand ~ 15,341 AFY

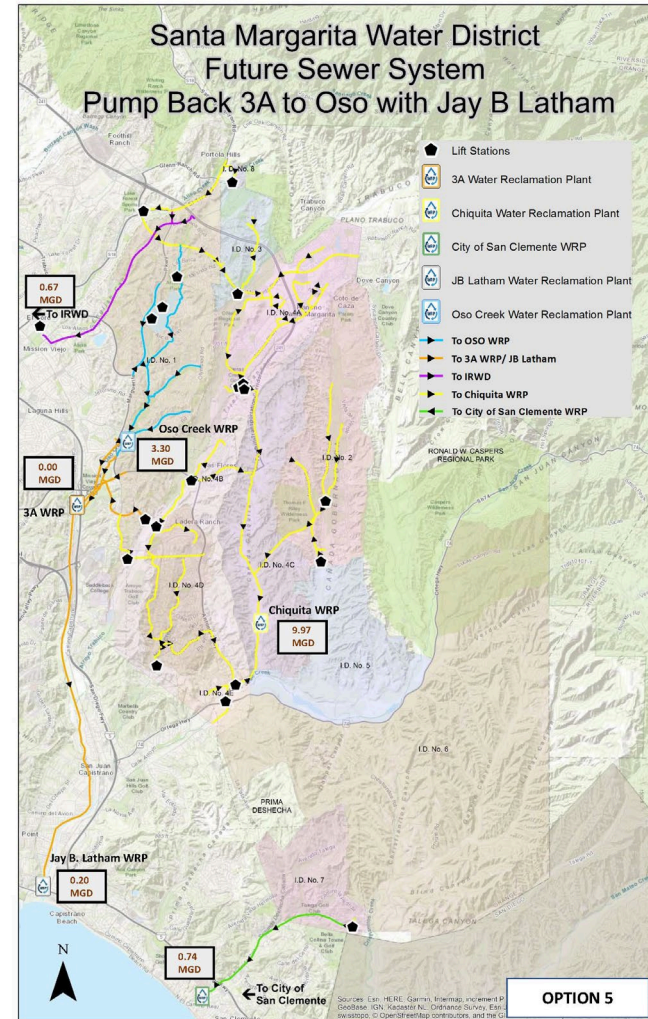
Facility	Total Tertiary Treatment Capacity (MGD)	SMWD Tertiary Treatment Capacity (MGD)	Current SMWD Source Average		Committed Future Tertiary Capacity		100% Wastewater Recycled Tertiary Water		Maximized Recycled Water
			(MGD)	(AFY)	(MGD)	(AFY)	(MGD)	(AFY)	(AFY)
WRP									
Oso Creek WRP	3.00	3.00	1.54	1,728			3.3	3,697	3,697
3A WRP	2.40	0.00	0.00	-					
Latham	0.00	0.00	0.00	0					
					1.54	1,724	3.30	3,697	3,697
Los Alisos WRP	N.A.	N.A.	N.A.	N.A.	0	0	0	0	0
Chiquita WRP	6.00	6.00	3.94	4,409	8.97	10,053	8.97	10,053	10,053
City of San Clemente	4.40	0.00	0.60	676	0.60	676	0.60	676	2,676
							9.58	10,728	12,728
WRP Total	15.80	9.00	6.08	6,813	11.12	12,452	12.88	14,425	16,425
Urban Return									
Arroyo Trabuco	-	-	-	307		307		307	307
Oso Barrier	-	-	-	841		841		841	841
Gobemadora	-	-	-	199		199		199	199
Horno	-	-	-	155		155		155	155
Tick	-	-	-	119		119		119	119
Urban Return Total	-	-	-	1,621		1,621		1,621	1,621
RMVMWC⁽¹⁾	-	-	-	788		2,500		0	0
Total Recycled Water Supply				9,222		16,573		16,046	18,046

(1) Use RMVMWC water for potable water supply



Ultimate Goal – Nominally Recycle 100% of Wastewater Generated

- Effective 100% recycled water production
- Expand Oso Creek WRP
- Produces 15,878 AFY of recycled water
 - Supplies full “Desired” Recycled Water Demands ~ 15,340
- Allows for use of RMVMWC for potable water



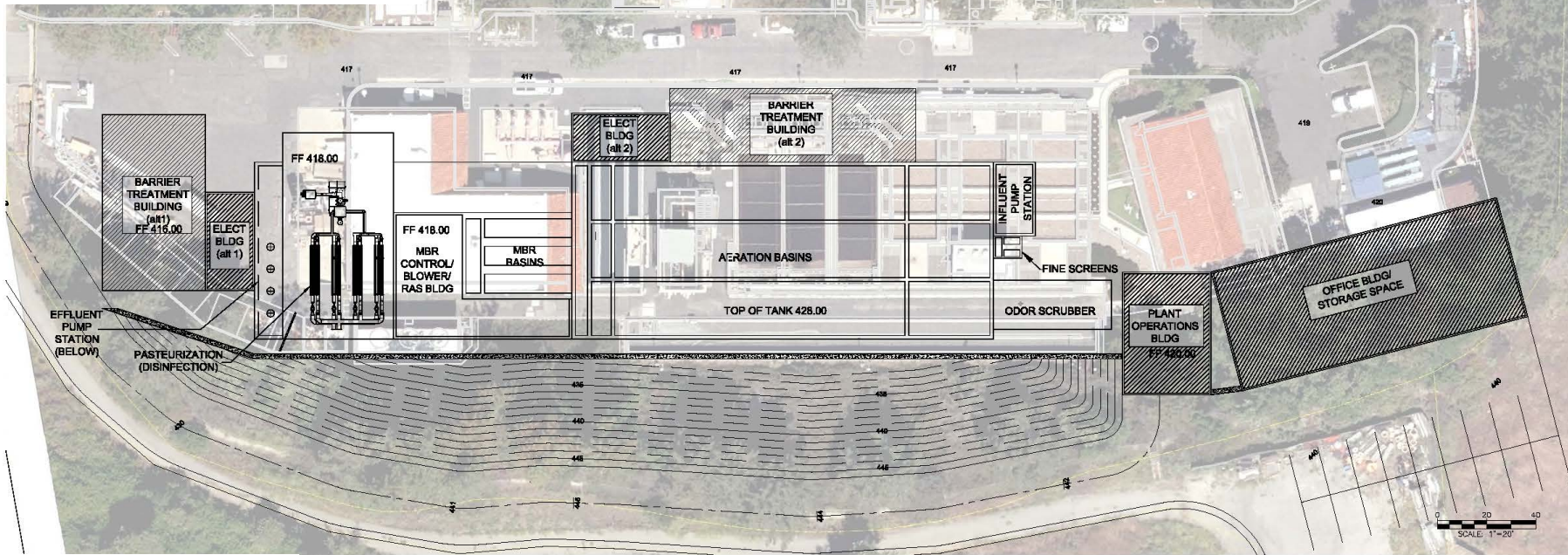
CREEK

Proposed Reconfiguration of Oso Creek WRP

Flows

Current ~ 1.8 mgd

Ultimate ~ 3.4 mgd



WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	DESIGNED _____
	DRAWN _____
	CHECKED _____
	JOB NUMBER _____

--	--	--	--	--	--

OSO CREEK WATER RECLAMATION PLANT		DWG NO SHEET OF
3.4 MGD - MBR SITE LAYOUT		

Ultimate Chiquita WRP Plant Layout

Flows

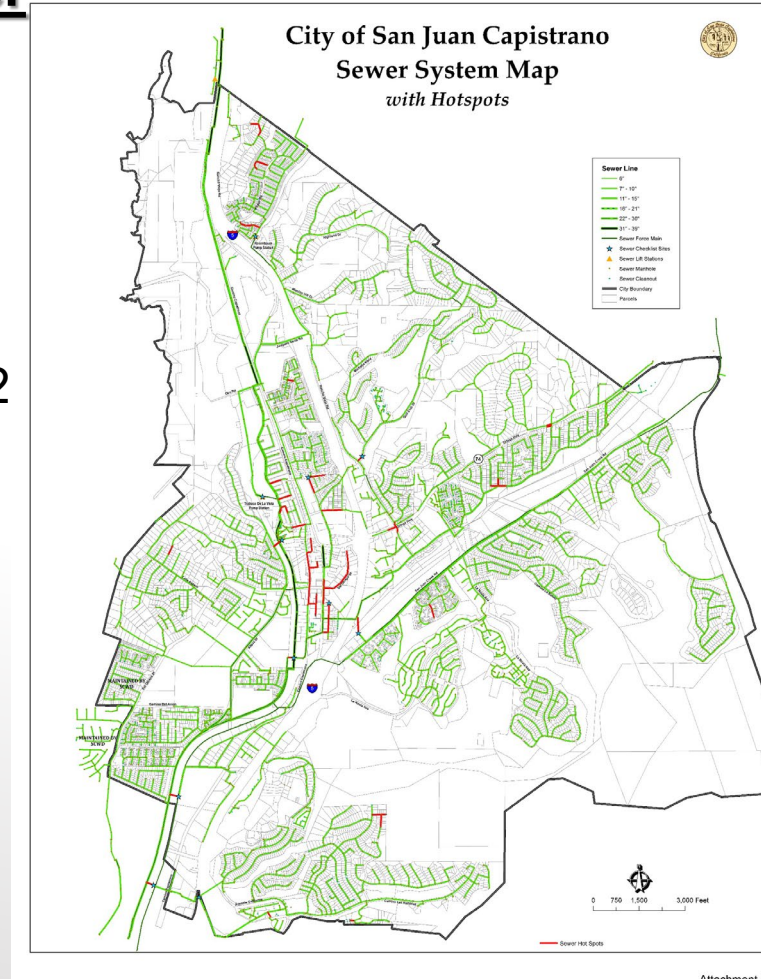
Current ~ 5.68 mgd

Ultimate ~ 9.97 mgd



City of San Juan Capistrano - Wastewater

- No Impact on Latham Flows
- Future Projects
 - Collection System Rehab/Replacement
 - Manhole Rehab/Replacement
- Anticipate Annexation Complete - FY '21/22





South Coast Water District

Water/Wastewater Planning
Presentation

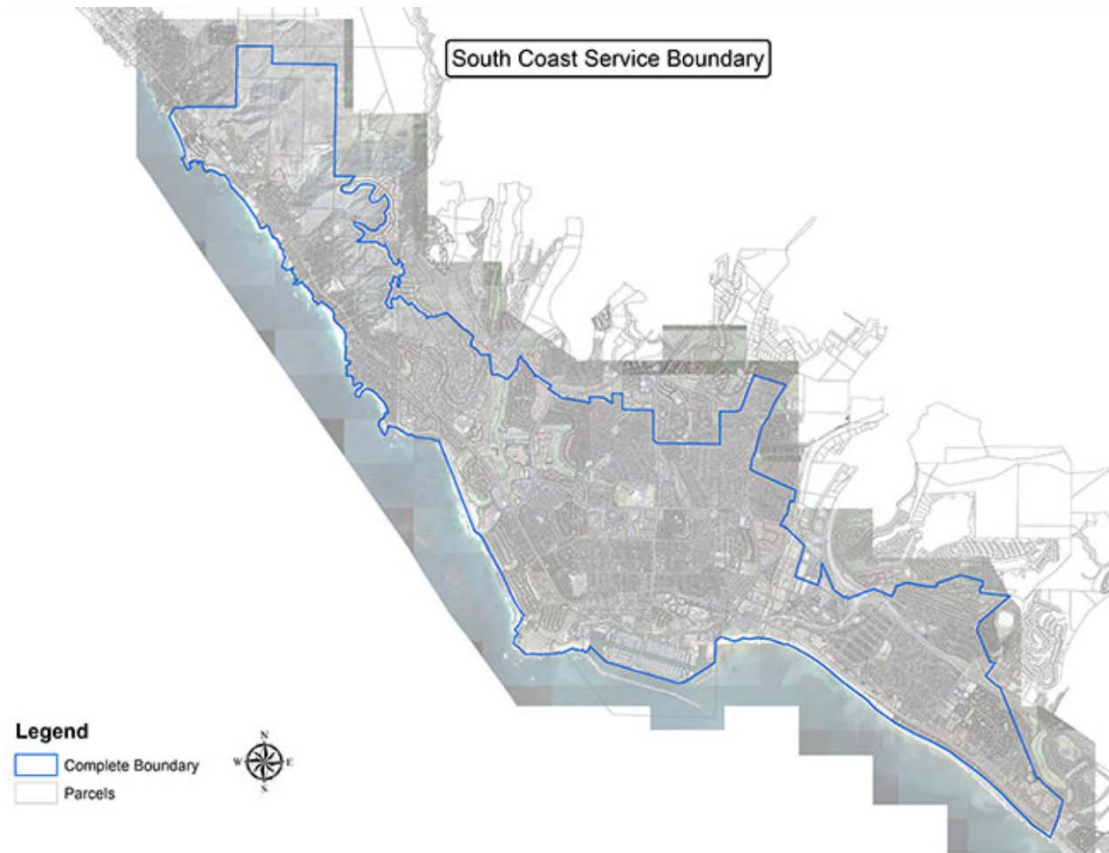
SOCWA BOARD MEETING
FEBRUARY 4, 2021

Agenda

- SCWD basics
- Recycled Water System
- Water Demand Forecast
- Planned Utilization of SOCWA Treatment Plants
 - Coastal Treatment Plant
 - JB Latham
 - Regional Treatment Plant (solids)

SCWD Service Area

- 8.3 square miles
- 12,553 water service connections
- Water and wastewater service
- Includes:
 - South Laguna Beach
 - Dana Point
 - Areas of San Clemente
 - Areas of San Juan Capistrano
- Also operates the Joint Regional Water Supply System



Top Priority: Water Use Efficiency and Recycled Water

Water Use Efficiency

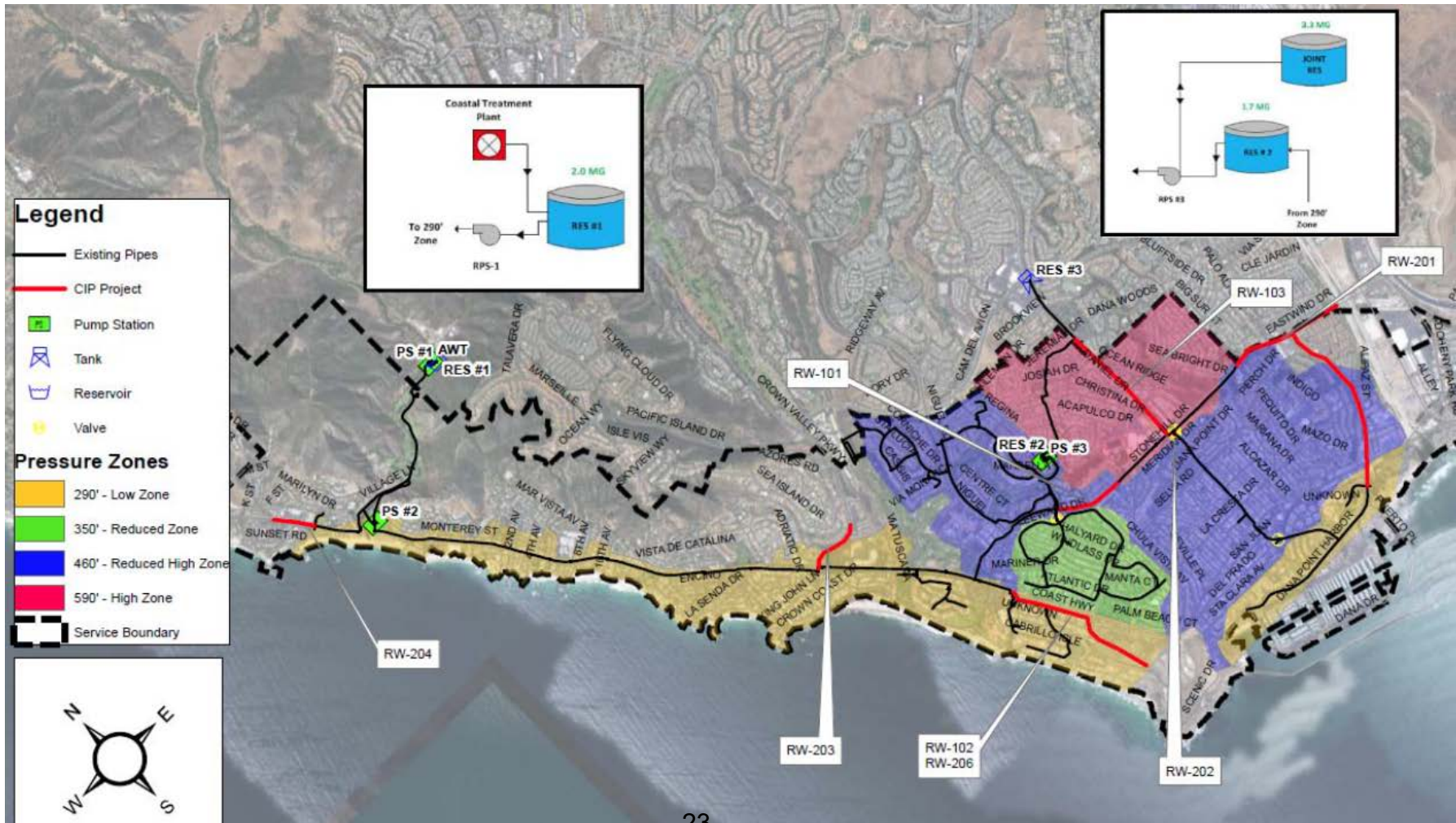
- Achieved over 30% water conservation during last drought
- “Daily Per Capita Potable Water Demand” is 141 gallons per capita per day
 - State target 150 gpcd in 2020
 - Includes water use from 2 million visitors
- 2 to 4% water system loss is among best in State
- Automated Meter Reading (AMR) fully implemented and utilized to minimize Customer Water Leaks

Recycled Water

SCWD Advanced Water Treatment Facilities at Coastal Wastewater Treatment Plant (CTP)

- 70% Utilization of SCWD CTP Sewage Influent TODAY
- Capital Improvement Plans to Maximize Recycled Water to 100% Utilization of SCWD CTP Sewage Influent

SCWD's Recycled Water Service System



Recycled Water System Demands

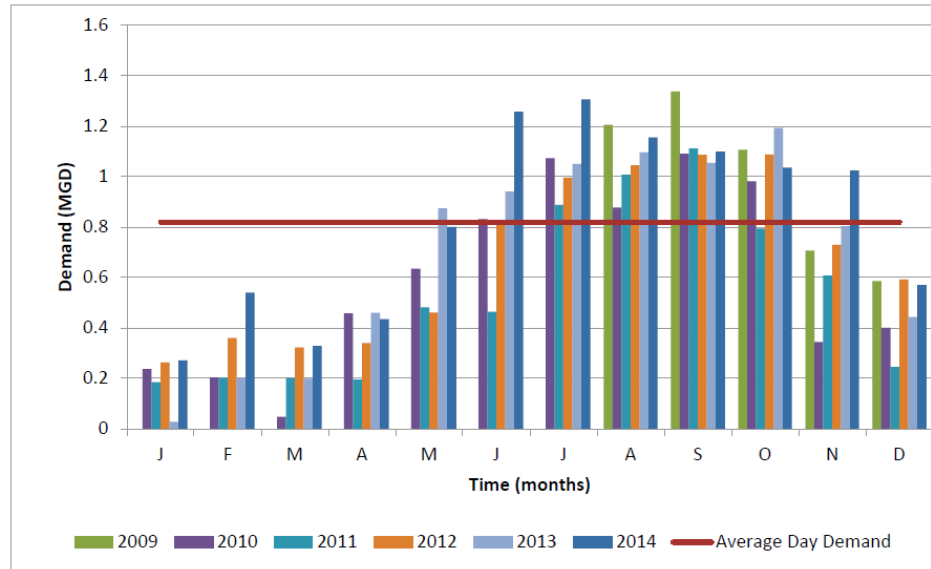


Figure 6-3 Monthly Recycled Water Demand 2009-2014

– CY 2014 Demands

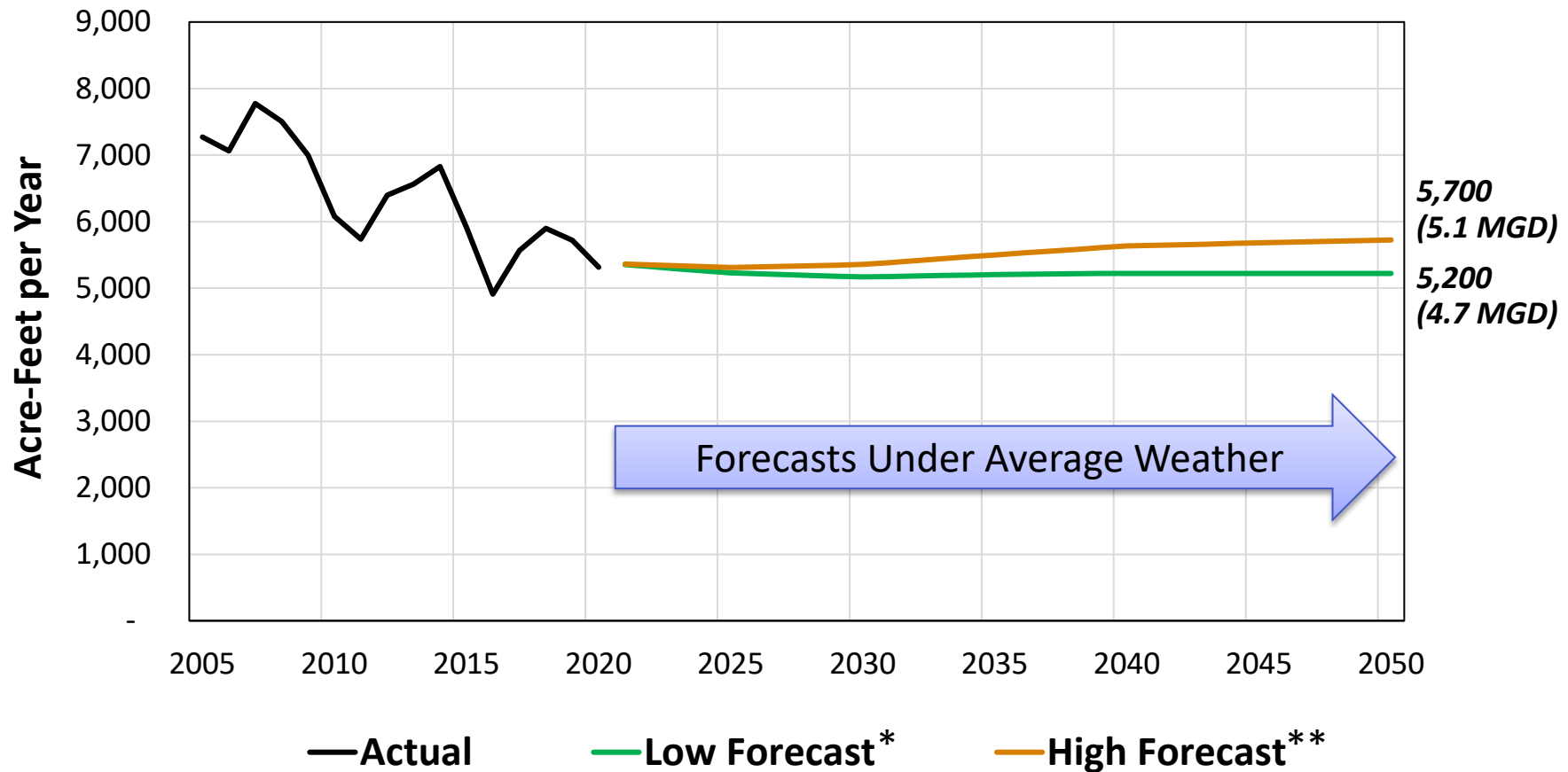
- Average Day Demand (ADD) = 570 gpm = 0.81 MGD = 907 AFY
- Max Day Demand (MDD) = 1.7 X ADD = 969 gpm = 1.38 MGD
- Peak Hour Demand (PHD) = 5 X ADD = 2,850 gpm = 4.05 MGD

2014 SCADA information validated the PHD peaking factor



SCWD Potable Water Demand Forecast

SCWD Potable Water Demand Forecast



* Low represents slower COVID-19 recovery without climate change

** High represents faster COVID-19 recovery with climate change



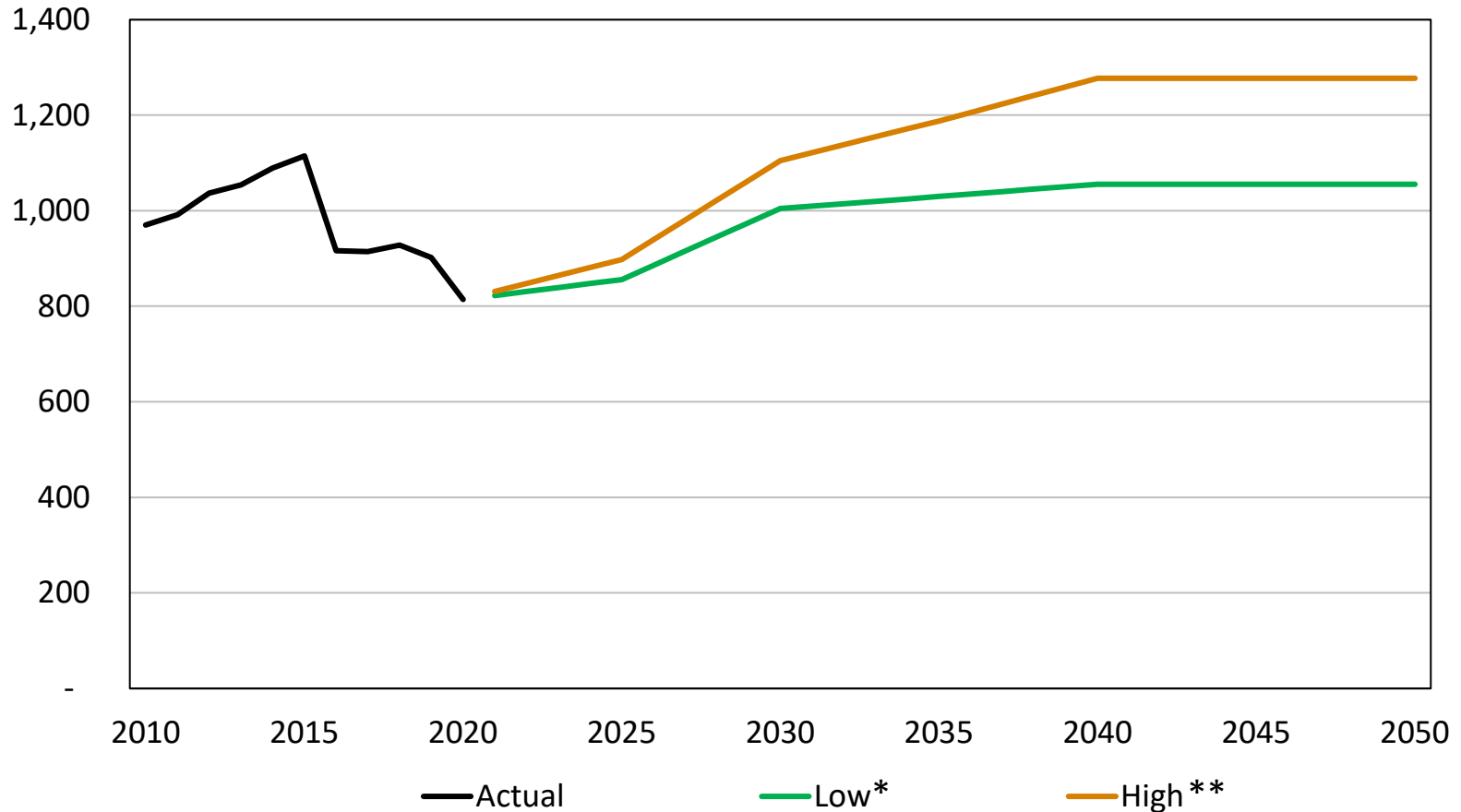
SCWD Service Area Demographic Projections

The housing forecast and persons per household are combined with plumbing fixture and landscape efficiency to estimate future residential water demands

Population and Households	2020	2025	2030	2035	2040	2045	2050	% Growth
Household Population	34,232	35,153	35,657	35,884	36,002	36,054	36,106	5.5%
Single-Family Households	9,770	9,793	9,815	9,838	9,861	9,884	9,907	1.4%
Multifamily Households	7,482	7,915	7,979	8,090	8,128	8,240	8,352	11.6%
Total Households	17,252	17,708	17,794	17,928	17,989	18,124	18,259	5.8%

Demographic Forecasts for SCWD service area from Center for Demographic Research, Cal State Fullerton (2018 Forecast)

SCWD Commercial/Institutional Water Use

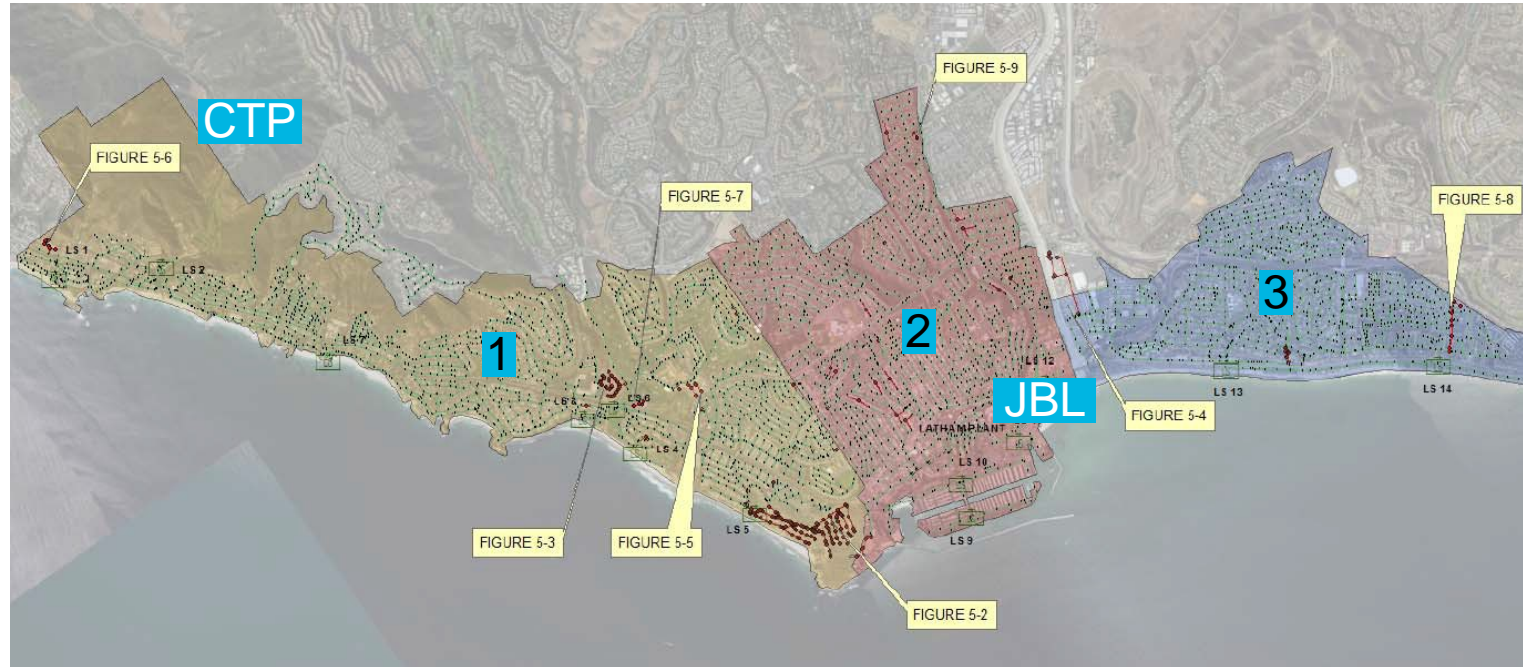


* Low represents slower COVID-19 recovery
** High represents faster COVID-19 recovery



Planned Utilization of SOCWA Treatment Plants

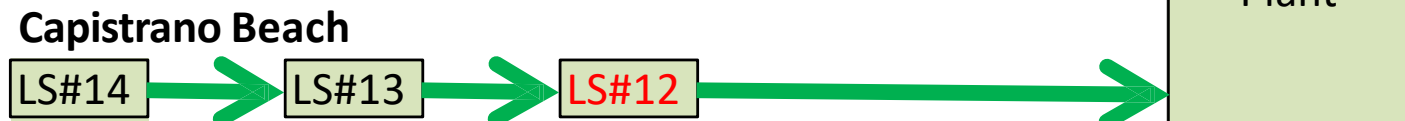
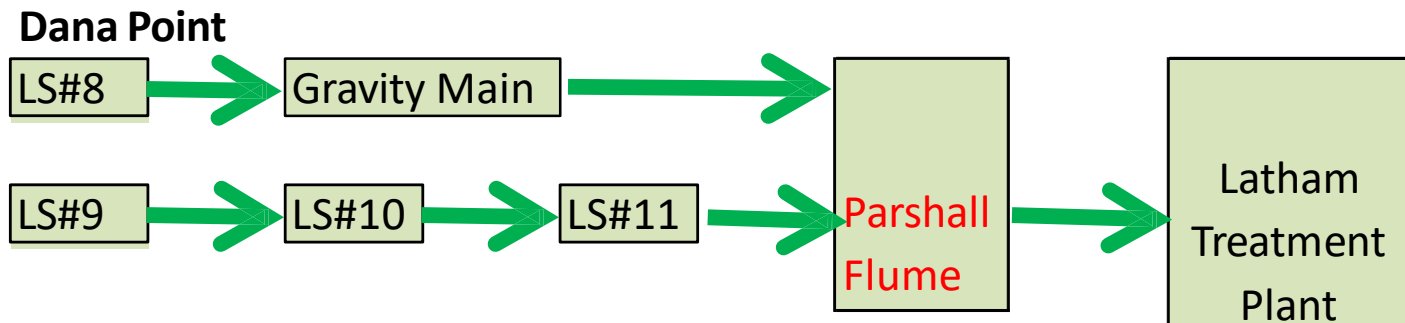
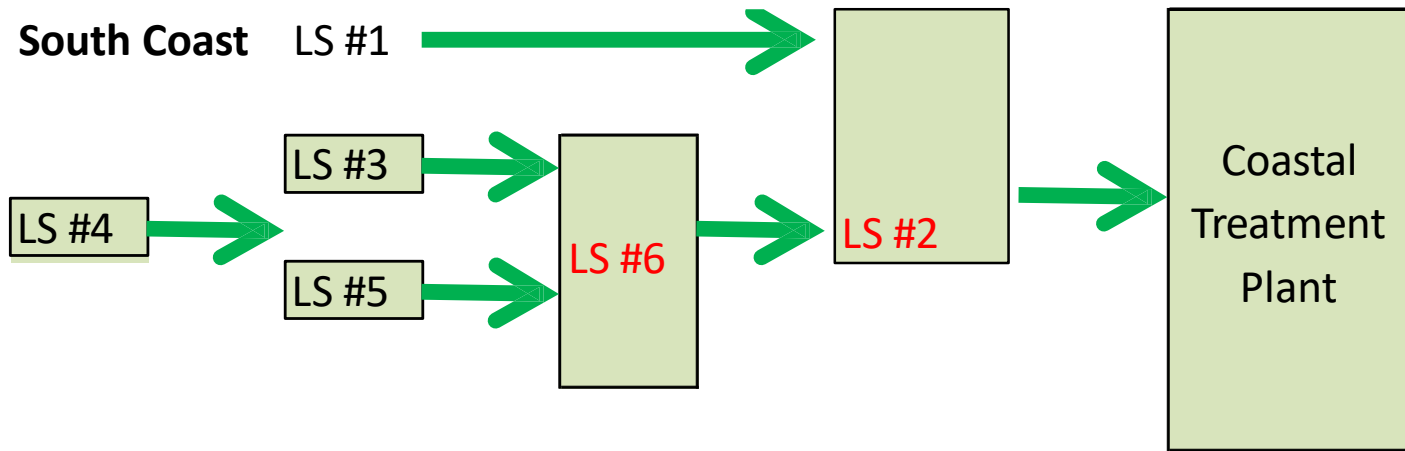
Wastewater System Overview



– 3 Service Areas

- South Coast System **1** → Coastal Treatment Plant **CTP**
- Dana Point System **2** → JB Latham Treatment Plant **JBL**
- Capistrano Beach System **3** → JB Latham Treatment Plant **JBL**

Wastewater System Overview



Wastewater Flows – Total SCWD

Date	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Jan	3.7	4.2	3.7	4.8	4.6	5.0	5.2	3.5	3.2	3.0
Feb	3.9	3.6	3.8	4.7	4.7	5.1	3.5	3.4	3.2	3.0
Mar	3.8	3.7	3.8	4.6	4.8	4.5	3.6	3.4	3.2	3.1
Apr	5.0	3.7	3.7	4.4	4.7	3.7	3.6	3.4	3.2	3.0
May	3.9	3.7	3.8	4.4	4.8	3.6	3.6	3.5	3.2	3.1
Jun	3.9	3.7	3.9	4.5	4.8	3.8	3.6	3.5	3.4	3.1
Jul	4.3	4.2	4.0	4.5	4.9	3.9	3.8	3.6	3.5	2.9
Aug	4.4	4.0	3.9	4.6	4.9	4.6	3.8	3.5	3.4	2.5
Sep	4.0	3.8	3.7	4.4	4.8	3.7	3.8	3.4	3.2	2.4
Oct	4.5	4.3	4.3	4.8	4.8	3.8	3.6	3.2	3.1	3.0
Nov	4.8	4.6	4.6	4.3	4.9	3.6	3.6	3.1	3.0	2.9
Dec	4.8	3.7	4.7	4.6	4.9	4.1	3.5	3.1	3.0	3.0
Average	4.3	3.9	4.0	4.6	4.8	4.1	3.8	3.4	3.2	2.9
Maximum	5.0	4.6	4.7	4.8	4.9	5.1	5.2	3.6	3.5	3.1
Minimum	3.7	3.6	3.7	4.3	4.6	3.6	3.5	3.1	3.0	2.4

Wastewater System Capital Improvements

Table 7-3. Capital Improvement Program (CIP) - Wastewater Collection System Projects

CIP #	Project Description	Estimated Quantity	Unit of Measure	Unit Cost (\$/unit)	Cost (\$)	Cost by Priority ¹ (\$)			
						I	II	III	IV
	<u>Projects to Correct System Deficiencies</u>								
S-101	Del Obispo St. from Village Rd to Lighthouse Dr - Replace approximately 2,115 feet of 12-inch pipe with 18-inch pipe	2,115	LF	\$919	\$1,944,000			\$1,944,000	
S-102	Del Obispo St South of Stonehill Dr - Replace approximately 160 feet of 12-inch pipe with 18-inch pipe.	160	LF	\$919	\$148,000			\$148,000	
S-103	South of Dana Point Harbor Dr between Island Way and Casitas Pl - Replace approximately 400 feet of 8-inch pipe with 12-inch pipe	400	LF	\$607	\$243,000		\$243,000		
S-104	Pacific Coast Hwy Downstream of LS #13 Discharge Pipe - Replace approximately 185 feet of 8-inch pipe with 18-inch pipe.	185	LF	\$919	\$171,000		\$171,000		
S-105	Lift Station 12 Improvements - Increase storage capacity and upsize pumps and discharge piping.	1	LS		\$500,000			\$500,000	
			Projects to Correct System Deficiencies Subtotal			\$0	\$414,000	\$2,592,000	\$0
	<u>Projects for System Modifications and Expansions</u>								
	None	1	LS		\$0				
			Projects for System Modifications and Expansions Subtotal			\$0	\$0	\$0	\$0
	<u>Other Projects</u>								
	None	1	LS		\$0				
			Other Projects Subtotal			\$0	\$0	\$0	\$0
			Priority 1 Costs Total			\$0			
			Priority 2 Costs Total				\$414,000		
			Priority 3 Costs Total					\$2,592,000	
			Priority 4 Costs Total						\$0

¹ Priority 1 projects are planned to be completed within the next fiscal year. Priority 2 projects are planned to be completed within the next 5 years. Priority 3 projects are planned to be completed within the next 10 years. Priority 4 projects are to be completed after the next 10 years.

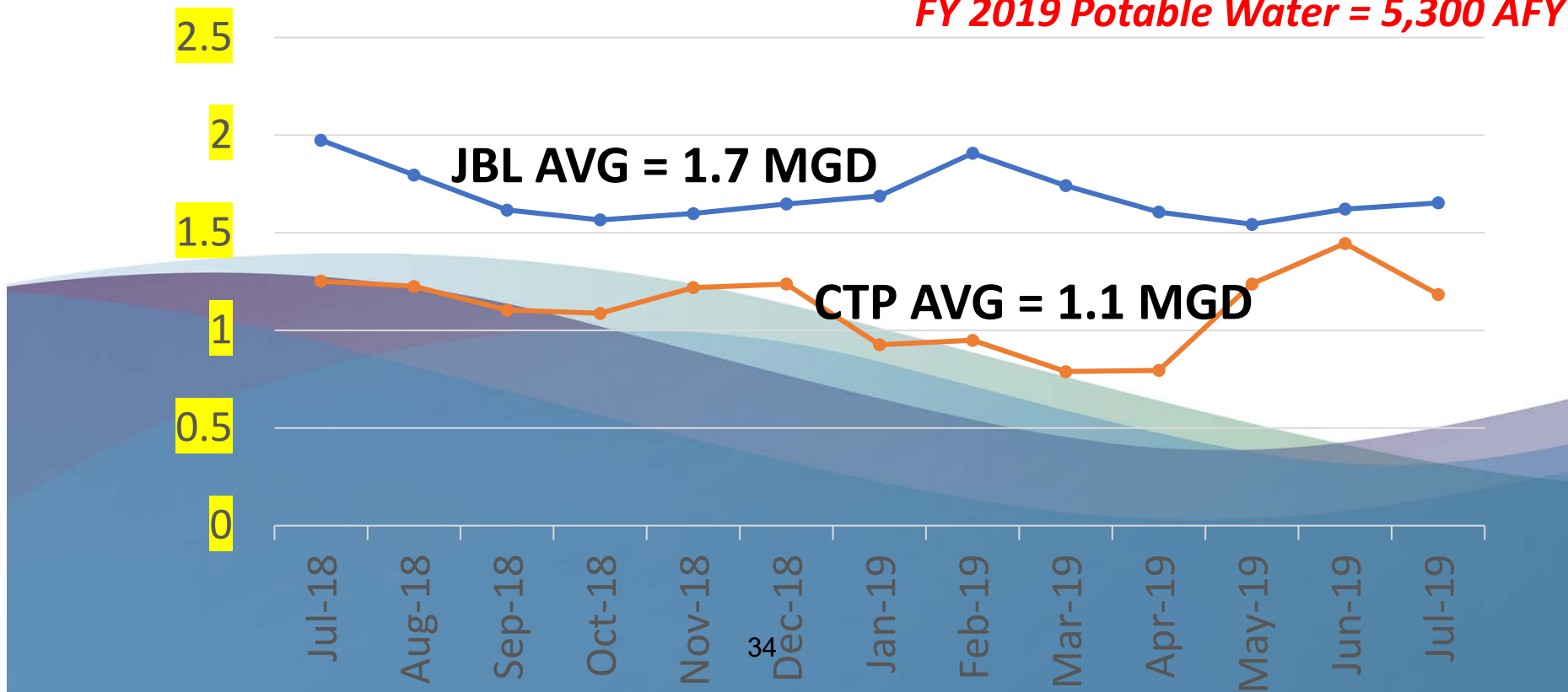
2017 Master Plan Update

June 15, 2017

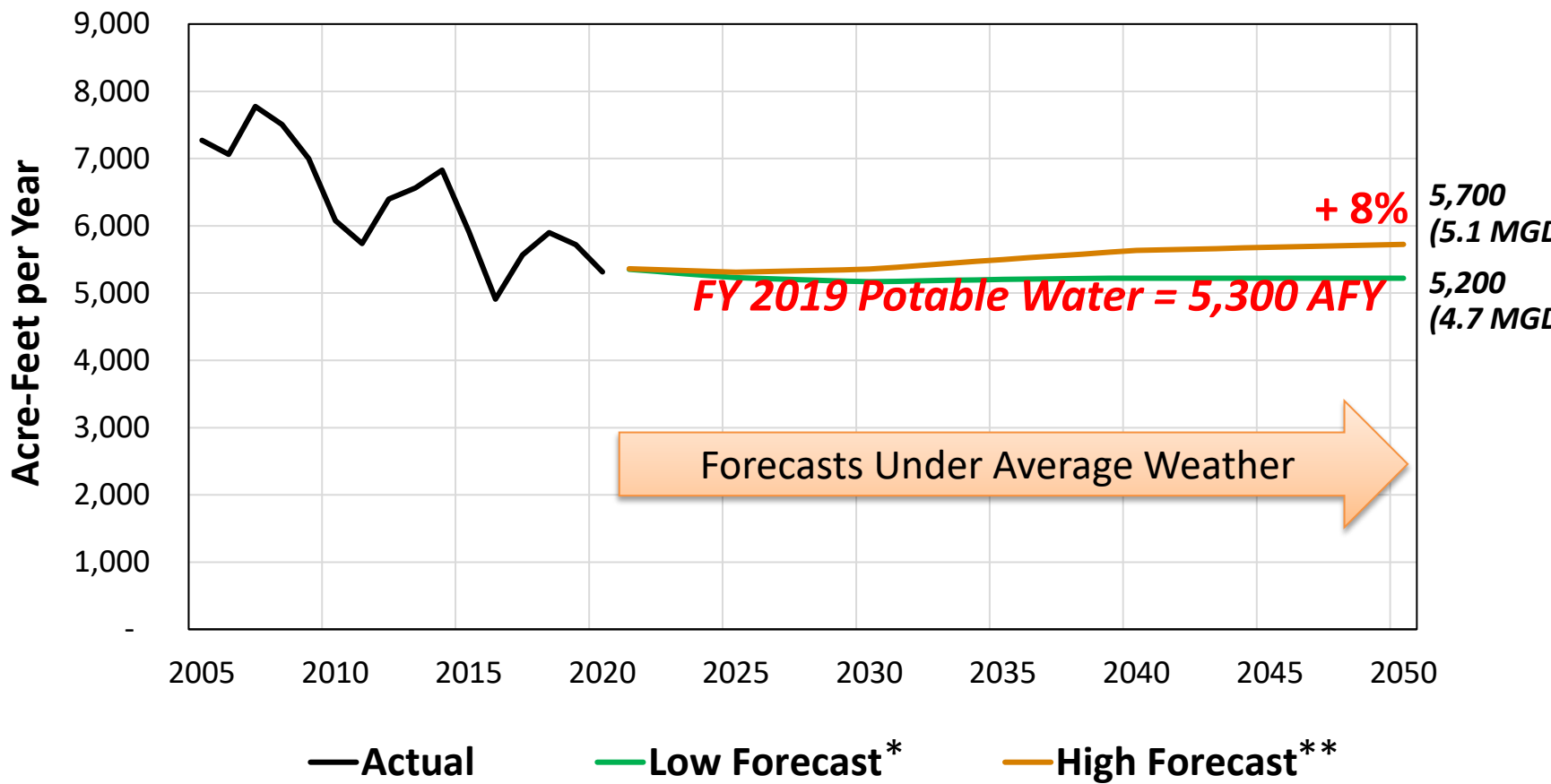


SCWD FLOWS TO CTP (ORANGE) & JBL (BLUE) FY 2019

FY 2019 Potable Water = 5,300 AFY



SCWD Potable Water Demand Forecast



* Low represents slower COVID-19 recovery without climate change

** High represents faster COVID-19 recovery with climate change



SCWD'S PLANNED UTILIZATION OF CTP & JBL

LOW

	TODAY	YEAR 2050
CTP (MGD)	1.1 MGD	1.1 MGD
JBL (MGD)	1.7 MGD	1.7 MGD
TOTAL SCWD	2.8 MGD	2.8 MGD

HIGH

	TODAY	YEAR 2050
CTP (MGD)	1.1 MGD	1.2 MGD
JBL (MGD)	1.7 MGD	1.9 MGD
TOTAL SCWD	2.8 MGD	3.1 MGD





QUESTIONS



MARC SERNA OR JOE McDIVITT



949-499-4555

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

Finance Committee

January 19, 2021

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on January 19, 2021 at 10:30 a.m. via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present via Teams Meeting:

ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
PAM ARENDS-KING	South Coast Water District	Alternate Director

Absent:

TONI ISEMAN	City of Laguna Beach	Director
TROY BOURNE	City of San Juan Capistrano	Director

Staff Participation:

BETTY BURNETT	General Manager
AMBER BAYLOR	Director of Environmental Compliance
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
DAVID BARANOWSKI	Senior Engineer
DINA ASH	HR Administrator
JEANETTE COTINOLA	Contracts/Procurement Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law Firm
KATHRYN FRESHLEY	El Toro Water District
DENNIS ERDMAN	South Coast Water District
TREVOR AGRELIUS	Moulton Niguel Water District
JASON HAYDEN	El Toro Water District

1. Call Meeting to Order

Chairman Grantham called the meeting to order at 10:33 a.m.

He gave recognition and honor to Director Ray Miller who passed on December 27, 2020, for all of his work, contributions, and accomplishments to the industry and to SOCWA. He stated Director Miller will be missed.

2. Public Comments

None

3. Approval of Minutes

- a. Finance Committee Meeting of November 3, 2020
- b. Finance Committee Meeting of December 8, 2020

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to approve Finance Committee Meeting Minutes for November 3, 2020, and December 8, 2020 as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Grantham Aye
	Director Iseman Absent
	Director Bourne Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

There being no objections, and to expedite the progress of the meeting, Chairman Grantham announced Agenda Items 4, 5 and 6 would be taken under one vote.

- 4. Financial Repots for the Month of October**
- 5. Financial Reports for the Month of November**
- 6. Financial Reports for the Month of December**

ACTION TAKEN

Motion was made by Director Cafferty and seconded by Director Collings to recommend to the Board of Directors to ratify the October 2020 disbursements for the period of October 1 through October 31, 2020, totaling \$5,649,871, ratify the November 2020 disbursements for the period of November 1 through November 30, 2020, totaling \$2,122,606, and ratify the December 2020 disbursements for the period of December 1 through December 31, 2020, totaling 3,915,268, and to receive and file the October, November, and December 2020 Financial Reports as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Grantham Aye
	Director Iseman Absent
	Director Bourne Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

///

- 7. **Q2 FY 2020-21 Cash Roll Forward as of December 2020**
- 8. **Fiscal Year 2019-20 Use Audit and Additional Cash Payout**

Mr. Shilkov, Senior Account for SOCWA gave presentation on Agenda Item 7 for the Q2 FY2020-21 Cash Roll Forward and Agenda Item 8, for the Additional Cash Payout. An open discussion ensued.

There being no objections, and to expedite the progress of the meeting, Chairman Grantham announced Agenda Items 7 and 8 would be taken under one vote.

ACTION TAKEN

Motion was made by Director Arends-King and seconded by Director Collings to recommend to the Board of Directors to receive and file the Q2 Fiscal Year 2020-21 Cash Roll Forward as submitted, and to approve payment of the Use Audit and Additional Cash from other sources to the Member Agencies as distributed in the Supplemental Financial Statements, Statement of Net Position.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Grantham Aye
	Director Iseman Absent
	Director Bourne Absent
	Director Cafferty Aye
	Director Collings Aye
	Director Arends-King Aye

An open discussion ensued on the upcoming preparation of the FY 2021-22 Budget year. Ms. Carey will prepare a budget schedule for distribution at the next Finance Committee Meeting on February 16, 2021.

Adjournment

There being no further business, Chairman Grantham adjourned the meeting at 10:55 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 January 19, 2021, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

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

January 14, 2021

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

MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District [arrived @ 8:33 a.m.]
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
LORRIE LAUSTEN	Trabuco Canyon Water District

Absent:

DAVID SHISSLER	City of Laguna Beach
DAVE REBENDORF	City of San Clemente
KEVIN BURTON	Irvine Ranch Water 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
DANIEL VASQUEZ	Chief Mechanic
JEANETTE COTINOLA	Procurement/Contracts Administrator
DANITA HIRSH	Executive Assistant

Also Present:

HANNAH JOHNSON	City of Laguna Beach
DENNIS ERDMAN	South Coast Water District
TARYN KJOSLINGS	South Coast Water District

1. Call Meeting to Order

Mr. Manning, Director of Engineering called the meeting to order at 8:31 a.m. and welcomed everyone to the first Engineering Committee meeting of 2021.

2. Public Comments

None

3. Approval of Minutes

a. Engineering Committee Meeting of November 12, 2020

ACTION TAKEN

Motion was made by Mr. Bunts seconded by Mr. Dunbar to approve the Engineering Committee Minutes of November 12, 2020 as submitted.

Motion Carried: Aye 7, Nay 0, Abstained 1, Absent 2
Hannah Johnson (CLB) Abstain
Dave Rebensdorf (CSC) Absent
Mike Marquis (CSJC) Aye
Mike Dunbar (EBSD) Aye
Bobby Young (ETWD) Aye
Kevin Burton (IRWD) Absent
Rod Woods (MNWD) Aye
Marc Serna (SCWD) Aye
Don Bunts (SMWD) Aye
Lorrie Lausten (TCWD) Aye

b. Engineering Committee Meeting of December 10, 2020

ACTION TAKEN

Motion was made by Mr. Dunbar and seconded by Ms. Lausten to approve the Engineering Committee Minutes of December 10, 2020 as submitted.

Motion Carried: Aye 7, Nay 0, Abstained 1, Absent 2
Hannah Johnson (CLB) Abstain
Dave Rebensdorf (CSC) Absent
Mike Marquis (CSJC) Aye
Mike Dunbar (EBSD) Aye
Bobby Young (ETWD) Aye
Kevin Burton (IRWD) Absent
Rod Woods (MNWD) Aye
Marc Serna (SCWD) Aye
Don Bunts (SMWD) Aye
Lorrie Lausten (TCWD) Aye

4. Operations Status Report

Mr. Burror reported there are several construction projects occurring simultaneously and that under the circumstances, staff was managing them very well. He also gave an updated on the status on the AWT at the Regional Treatment Plant. An open discussion ensued.

This was an information item; no action was taken.

5. Capital Improvement Construction Projects Report

Mr. Manning gave a status update on the Project Committee 15 Sludge Force Main and the Project Committee 5 Juncture Structure projects. He stated that earth-moving work for the Sludge Force Main project is expected to begin in early March and that the first night of work in the Junction Structure was currently planned to begin on January 27th, 2021.

Ms. Young gave an update on Package B Project Change Order No. 16. She noted that Change Order 16 was due to replacing the roof system to bring up to code at Digester 3/4. She also noted for the record that the maintenance staff had obtained two (2) other proposals for cost comparison.

ACTION TAKEN

The PC-2 Engineering Committee conceded to recommending the PC-2 Board to approve Change Order No. 16 in the amount of \$42,780.

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

Mr. Baranowski gave a brief update on the Coastal Treatment Plant Facility Improvements. He noted the credit in the amount of \$8,803 was due to items no longer needing to be performed at the MCC Feeder. No action was required.

Mr. Manning gave an update on the Regional Treatment Change Orders No. 15 through 20. He noted several areas of improvements needed. An open discussion ensued.

ACTION TAKEN

The PC-17 Engineering Committee conceded to recommending the PC-17 Board to approve Change Orders 15 through 20 totaling \$111,838 for PC-17 Liquids.

**6. Coastal Treatment Plant (CTP) Facility Improvements Construction Update
[Project Committee 15]**

Mr. Baranowski gave a presentation on the improvements that have been performed on the CTP Facility Improvements Project over the past year since the improvements began in August of 2019. He also noted the project is currently 72% complete.

This was an information item; no action was taken.

**7. Coastal Treatment Plant (CTP) Sludge Force Main Project Construction
Management Proposal Review [Project Committee 15]**

Mr. Manning reported on the proposals received for the Construction Management Services for the Sludge Force Main Project. An open discussion ensued.

ACTION TAKEN

The PC-15 Engineering Committee conceded to recommending the PC-15 Board to award the time and materials contract to Butier Engineering in the amount of \$226,100 and to add an \$18,000 contingency for the construction management services during construction for the CTP Sludge Force Main Project.

Motion Carried:	Aye 3, Nay 0, Abstained 1, Absent 0
	Hannah Johnson (CLB) Aye
	Mike Dunbar (EBSD) Aye
	Rod Woods (MNWD) Abstain
	Marc Serna (SCWD) Aye

Adjournment

There being no further business, Mr. Manning adjourned the meeting at 9:29 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 January 14, 2020, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item

4D

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Financial Reports for the Month of January 2021

Summary/Discussion

The following selected financial reports are routinely provided monthly to the Finance Committee for recommendation to the Board of Directors to ratify Cash Disbursements and receive and file the remaining documents.

The reports included are as follows:

1. Summary of Disbursements for January 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)

Fiscal impact

January 2021 cash disbursements were: \$3,583,938.

- 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 January 2021 disbursements for the period from January 1, 2021, through January 31, 2021, totaling \$3,583,938, and to receive and file the January 2021 Financial Reports as submitted.

Exhibit A

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

	<u>Actual¹</u>
General Fund	\$ (328,267)
PC 2 - Jay B. Latham Plant	(1,131,164)
PC 5 - San Juan Creek Ocean Outfall	(107,138)
PC 8 - Pretreatment Program	(11,776)
PC 12 SO - Water Reclamation Permits	(7,326)
PC 15 - Coastal Treatment Plant/AWT	(1,057,475)
PC 17 - Joint Regional Wastewater Reclamation	(914,936)
PC 21 - Effluent Transmission Main	(623.14)
PC 24 - Aliso Creek Ocean Outfall	(25,233)
Total	<u><u>\$ (3,583,938)</u></u>

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of January 31, 2021**

CASH IN BANK: (BEGINNING BAL.)	\$	1,205,499
L.A.I.F. FUNDS: (BEGINNING BAL.)		13,981,254
DEPOSITS, TRANSFERS & ADJUSTMENTS:		2,465,897
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION		(3,583,938)
TOTAL CASH IN BANK	\$	14,068,712

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 01/15/21



PMIA Average Monthly Effective Yields⁽¹⁾

Dec	0.540
Nov	0.576
Oct	0.620

Quarterly Performance Quarter Ended 12/31/20

LAIF Apportionment Rate ⁽²⁾ :	0.63
LAIF Earnings Ratio ⁽²⁾ :	0.00001719170547343
LAIF Fair Value Factor ⁽¹⁾ :	1.002271318
PMIA Daily ⁽¹⁾ :	0.49%
PMIA Quarter to Date ⁽¹⁾ :	0.58%
PMIA Average Life ⁽¹⁾ :	165

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 12/31/20 \$107.4 billion

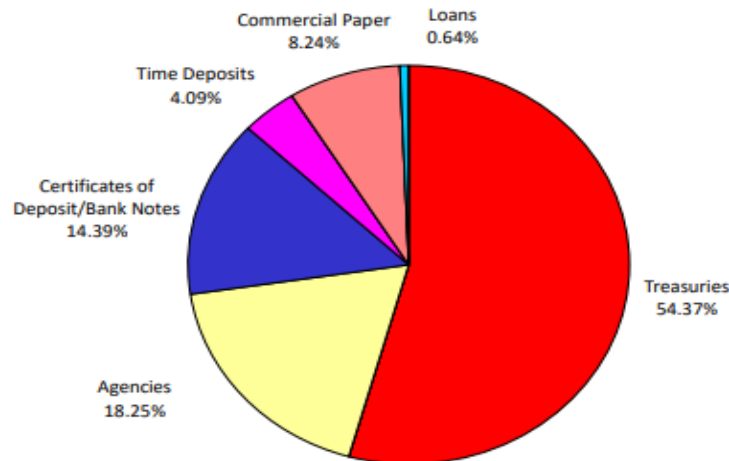


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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).

Source:

⁽¹⁾ State of California, Office of the Treasurer

⁽²⁾ State of California, Office of the Controller

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of January 31, 2021**

MVA	\$ 107,345	(A)
A/P Checking	729,769	(B)
Payroll Checking	20,588	(C)
State LAIF	13,211,010	(D)
Total Cash in Bank	\$ 14,068,712	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 14,070,312	
OPEB Trust	5,944,304	(F)
Total Cash and Investments	\$ 20,014,616	

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 January 31, 2021
(in dollars)**

FY 2020-21 Budget vs. Actual Spending								
Description	Capital Budget	¹ Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Open Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 11,001,875	\$ 4,045,969	\$ 6,955,906	36.8%	\$ 2,323,978	\$ 1,483,978	\$ 840,000	174.1%
PC 5-San Juan Creek Outfall	1,263,700	316,774	946,926	25.1%	1,129,057	399,611	729,446	28.1%
PC 15-Coastal	9,901,134	3,465,231	6,435,903	35.0%	2,250,000	1,806,716	443,284	154.0%
PC 17-Regional	2,673,023	1,722,750	950,273	64.4%	-	-	-	-
PC 21 Effluent Transmission	2,322,668	-	2,322,668	-	100,000	100,000	-	-
² PC 24 Aliso Creek Outfall	-	6,252	(6,252)			-		
Total Large Capital	\$ 27,162,400	\$ 9,556,976	\$ 17,605,424	35.2%	\$ 5,803,035	\$ 3,790,305	\$ 2,012,730	164.7%
Non-Capital Engineering	1,161,634	30,715	1,130,919	2.6%	94,210	94,210		32.6%
Non-Capital Misc Engineering	75,000	-	75,000	-	56,250	54,032	2,218	-
Small Internal Capital	2,099,000	504,276	1,594,724	24.0%	1,574,250	1,186,381	387,869	32.0%
Total Capital	\$ 30,498,034	\$ 10,091,968	\$ 20,406,066	33.1%	\$ 7,527,745	\$ 5,124,928	\$ 2,402,817	134.1%

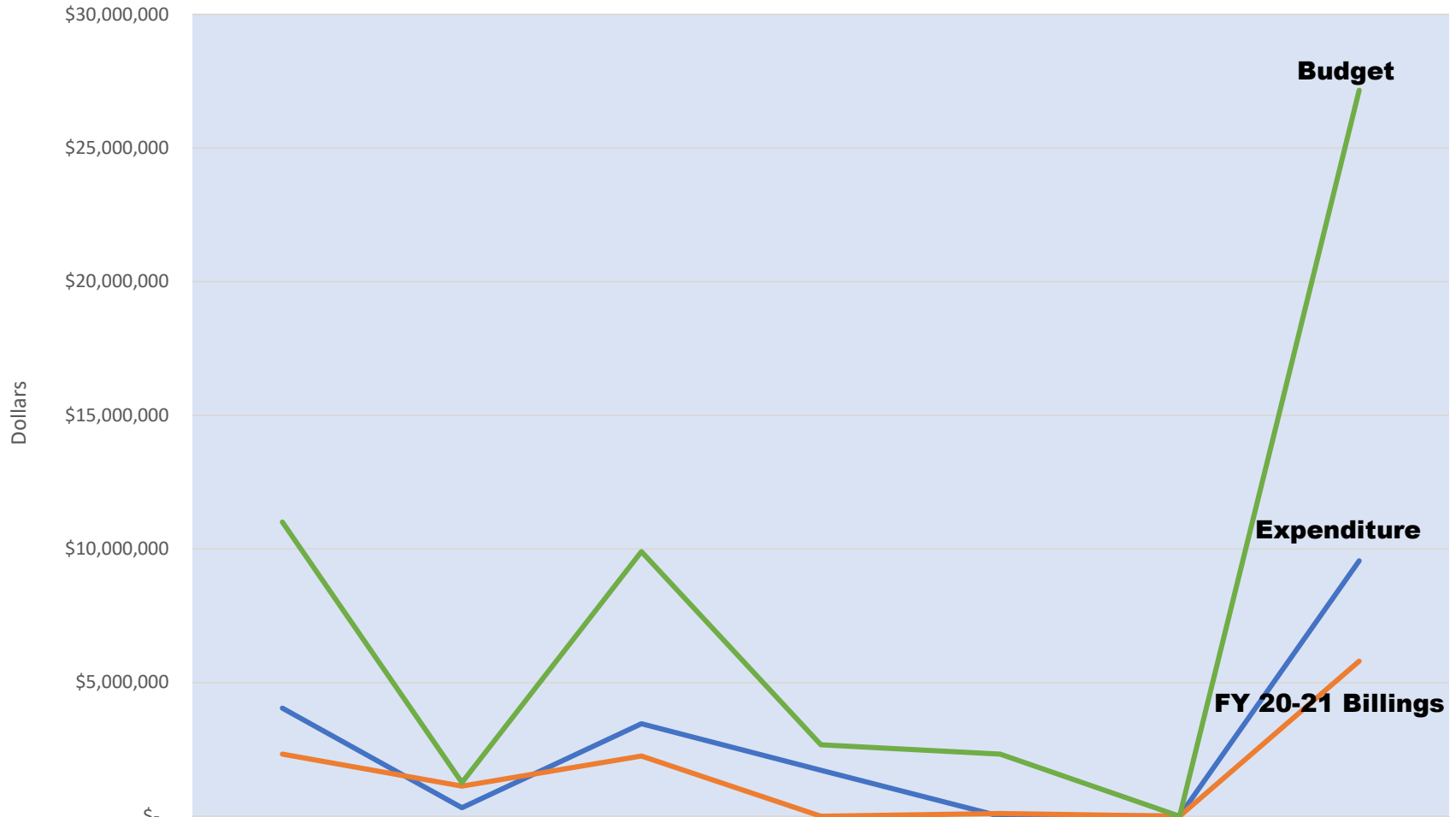
¹ Fiscal Year Spending does not include spending on carryover projects from FY 2019-20 Budget; Small Capital and Non-Capital work delayed because of COVID 19:

	Carryover	YTD Spending	Balance	% Expended
Non-Capital Engineering	\$369,508	\$81,511	\$287,997	22.1%
Non-Capital Misc Engineering	252,298	76,655	175,643	30.4%
Small Internal Capital	565,000	333,007	231,993	58.9%
	\$1,186,806	\$491,174	\$695,632	41.4%

² 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 1/31/2021

Exhibit D-1



	PC 2-JB Latham	PC 5-San Juan Creek Outfall	PC 15-Coastal	PC 17-Regional	PC 21 Effluent Transmission	PC 24 Aliso Creek Outfall	Total Large Capital
Spent - YTD 1/31/21	\$4,045,969	\$316,774	\$3,465,231	\$1,722,750	-	\$6,252	\$9,556,976
FY 20-21 Billings	\$2,323,978	\$1,129,057	\$2,250,000	\$0	\$100,000	\$0	\$5,803,035
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 January 31, 2021
(in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe					
5000.	Regular Salaries-O&M	4,510,604	2,508,022	2,002,582	55.6%
5001.	Overtime Salaries-O&M	128,700	75,711	52,989	58.8%
5306.	Scheduled Holiday Work	33,964	58,998	(25,034)	173.7%
5315.	Comp Time - O&M	12,168	7,429	4,739	61.1%
5401.	Fringe Benefits IN to PC's & Depts.	2,374,488	1,320,301	1,054,187	55.6%
5700.	Standby Pay	67,608	39,780	27,828	58.8%
	Total Payroll Costs	7,127,532	4,010,241	3,117,291	56.3%
Other Expenses					
5002.	Electricity	1,154,008	748,639	405,369	64.9%
5003.	Natural Gas	234,532	125,521	109,011	53.5%
5004.	Potable & Reclaimed Water	77,008	45,484	31,524	59.1%
5005.	Co-generation Power Credit	(669,000)	(379,749)	(289,251)	56.8%
5006.	Chlorine/Sodium Hypochlorite	479,900	284,727	195,173	59.3%
5007.	Polymer Products	739,004	450,237	288,767	60.9%
5008.	Ferric Chloride	452,000	363,684	88,316	80.5% (1)
5009.	Odor Control Chemicals	114,996	48,453	66,543	42.1%
5010.	Other Chemicals - Misc.	2,996	-	2,996	-
5011.	Laboratory Services	40,580	18,314	22,266	45.1%
5012.	Grit Hauling	124,996	59,933	65,063	47.9%
5013.	Landscaping	206,004	157,743	48,262	76.6% (2)
5014.	Engineering - Misc.	-	-	-	-
5015.	Management Support Services	370,504	136,579	233,925	36.9%
5016.	Audit - Environmental	1,252	-	1,252	-
5017.	Legal Fees	32,355	37,273	(4,918)	115.2% (3)
5018.	Public Notices/ Public Relations	5,500	-	5,500	-
5019.	Contract Services Misc.	256,012	139,003	117,009	54.3%
5021.	Small Vehicle Expense	24,556	10,221	14,335	41.6%
5022.	Miscellaneous Expense	18,020	2,546	15,474	14.1%
5023.	Office Supplies - All	43,004	18,261	24,743	42.5%
5024.	Petroleum Products	34,000	7,194	26,806	21.2%
5025.	Uniforms	68,992	30,472	38,520	44.2%
5026.	Small Vehicle Fuel	24,604	7,259	17,345	29.5%
5027.	Insurance - Property/Liability	275,584	189,273	86,311	68.7%
5028.	Small Tools & Supplies	77,500	34,263	43,237	44.2%
5030.	Trash Disposal	6,992	3,453	3,539	49.4%
5031.	Safety Program & Supplies	114,868	72,055	42,813	62.7%
5032.	Equipment Rental	7,004	876	6,128	12.5%
5033.	Recruitment	2,504	1,389	1,115	55.5%
5034.	Travel Expense/Tech. Conferences	32,316	1,795	30,521	5.6%
5035.	Training Expense	40,664	7,624	33,040	18.7%
5036.	Laboratory Supplies	100,152	57,024	43,128	56.9%
5037.	Office Equipment	65,000	16,987	48,013	26.1%
5038.	Permits	480,520	465,932	14,588	97.0% (4)
5039.	Membership Dues/Fees	23,772	6,520	17,252	27.4%
5044.	Offshore Monitoring	44,004	53,320	(9,316)	121.2% (5)
5046.	Effluent Chemistry	40,004	6,226	33,778	15.6%
5047.	Access Road Expenses	44,004	38,887	5,117	88.4% (6)
5048.	Storm Damage	20,008	-	20,008	-
5049.	Biosolids Disposal	1,429,996	847,027	582,969	59.2%
5050.	Contract Services Generators - 29A	22,008	-	22,008	-
5052.	Janitorial Services	94,004	63,177	30,827	67.2% (7)
5053.	Contract Serv - Digester Cleaning - 29E	125,000	3,681	121,319	2.9%
5054.	Diesel Truck Maint	41,004	11,115	29,889	27.1%
5055.	Diesel Truck Fuel - 37B	11,504	3,744	7,760	32.5%
5056.	Maintenance Equip. & Facilities (Solids)	361,000	140,610	220,390	39.0%
5057.	Maintenance Equip. & Facilities (Liquids)	669,000	333,887	335,113	49.9%
5058.	Maintenance Equip. & Facilities (Common)	86,008	113,527	(27,519)	132.0% (8)
5059.	Maintenance Equip. & Facilities (Co-Gen)	960,000	341,760	618,240	35.6%
5060.	Maintenance Equip. & Facilities (AWT)	75,000	51,713	23,287	69.0%
5061.	Mileage	3,548	1,267	2,281	35.7%
5067.	Port Cleaning	70,000	-	70,000	-
5068.	MNWD Potable Water Supplies & Svcs.	42,000	14,429	27,571	34.4%
5076.	SCADA Infrastructure	91,508	47,755	43,753	52.2%
5077.	IT Direct	10,000	-	10,000	-
5105.	Co-Generation Power Credit - Offset	669,000	379,749	289,251	56.8%
5303.	Group Insurance Waiver	14,392	8,197	6,195	57.0%
5305.	Medicare Tax Payments for Employees	1,336	1,150	186	86.1%
5309.	Operating Leases	31,008	14,703	16,305	47.4%
5705.	Monthly Car Allowance	31,192	20,832	10,360	66.8%
5799.	Zephyr Wall Costs Share - O&M	(14,000)	(14,500)	500	-
5802.	Shipping/Freight	100	-	100	-
6241.	Education Reimbursement	-	606	(606)	-
6500.	IT Allocations in to PC's & Depts.	556,996	309,909	247,087	55.6%
	Total Other Expenses	10,592,323	5,961,755	4,630,569	56.3%
	Total O&M Expenses	17,719,855	9,971,995	7,747,860	56.3%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended January 31, 2021
(in dollars)

- (1) Odor levels continue to rise in the collection system resulting in higher levels of Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (2) Tree removals from emergency projects and Santa Ana Winds have been elevated this year.
- (3) Regulatory Environmental requirements and Construction agreements review.
- (4) Water Quality Fee increases.
- (5) Annual, one-time cost for kelp overflight required by the NPDES permit; Water Quality Fee increases.
- (6) Recently completed the annual access road asphalt repairs.
- (7) Janitorial services are elevated due to additional office disinfection and cleaning needs due to the Pandemic.
- (8) Emergency water line repairs completed at RTP.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended January 31, 2021
(in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended	
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000.**.**	Regular Salaries-O&M	1,518,048	902,880	615,168	59.5%
02-5001.**.**	Overtime Salaries-O&M	38,716	31,679	7,037	81.8%
02-5306.**.**	Scheduled Holiday Work	13,364	22,581	(9,217)	169.0%
02-5315.**.**	Comp Time - O&M	5,028	3,000	2,028	59.7%
02-5401.**.**	Fringe Benefits IN to PC's & Depts.	799,132	475,304	323,828	59.5%
02-5700.**.**	Standby Pay	25,352	16,218	9,135	64.0%
	Total Payroll Costs	2,399,640	1,451,662	947,979	60.5%
Other Expenses					
02-5002.**.**	Electricity	547,004	322,287	224,717	58.9%
02-5003.**.**	Natural Gas	121,036	70,744	50,292	58.4%
02-5004.**.**	Potable & Reclaimed Water	24,004	13,848	10,156	57.7%
02-5006.**.**	Chlorine/Sodium Hypochlorite	7,900	5,011	2,889	63.4%
02-5007.**.**	Polymer Products	278,000	190,248	87,752	68.4%
02-5008.**.**	Ferric Chloride	140,000	147,216	(7,216)	105.2% (1)
02-5009.**.**	Odor Control Chemicals	21,000	8,820	12,180	42.0%
02-5010.**.**	Other Chemicals - Misc.	1,000	-	1,000	-
02-5011.**.**	Laboratory Services	12,500	4,859	7,641	38.9%
02-5012.**.**	Grit Hauling	54,000	24,723	29,277	45.8%
02-5013.**.**	Landscaping	75,008	35,387	39,621	47.2%
02-5015.**.**	Management Support Services	26,004	23,120	2,884	88.9% (2)
02-5017.**.**	Legal Fees	3,095	122	2,973	3.9%
02-5019.**.**	Contract Services Misc.	75,008	35,780	39,228	47.7%
02-5021.**.**	Small Vehicle Expense	11,000	4,501	6,499	40.9%
02-5022.**.**	Miscellaneous Expense	8,000	1,591	6,409	19.9%
02-5023.**.**	Office Supplies - All	28,000	7,839	20,161	28.0%
02-5024.**.**	Petroleum Products	11,000	1,410	9,590	12.8%
02-5025.**.**	Uniforms	32,992	12,961	20,031	39.3%
02-5026.**.**	Small Vehicle Fuel	12,004	1,993	10,011	16.6%
02-5027.**.**	Insurance - Property/Liability	89,920	63,922	25,998	71.1%
02-5028.**.**	Small Tools & Supplies	37,004	18,488	18,516	50.0%
02-5030.**.**	Trash Disposal	2,000	1,207	793	60.3%
02-5031.**.**	Safety Program & Supplies	39,004	32,575	6,429	83.5%
02-5032.**.**	Equipment Rental	3,000	876	2,124	29.2%
02-5033.**.**	Recruitment	1,000	944	56	94.4%
02-5034.**.**	Travel Expense/Tech. Conferences	9,496	115	9,381	1.2%
02-5035.**.**	Training Expense	12,808	2,778	10,030	21.7%
02-5036.**.**	Laboratory Supplies	16,472	8,058	8,414	48.9%
02-5037.**.**	Office Equipment	13,000	431	12,569	3.3%
02-5038.**.**	Permits	25,504	33,785	(8,281)	132.5% (3)
02-5039.**.**	Membership Dues/Fees	4,384	2,379	2,005	54.3%
02-5049.**.**	Biosolids Disposal	524,996	306,595	218,401	58.4%
02-5050.**.**	Contract Services Generators - 29A	10,004	-	10,004	-
02-5052.**.**	Janitorial Services	41,000	33,273	7,727	81.2% (4)
02-5053.**.**	Contract Serv - Digester Cleaning - 29E	60,000	3,681	56,319	6.1%
02-5054.**.**	Diesel Truck Maint	21,000	4,073	16,927	19.4%
02-5055.**.**	Diesel Truck Fuel - 37B	3,004	1,061	1,943	35.3%
02-5056.**.**	Maintenance Equip. & Facilities (Solids)	155,000	40,518	114,482	26.1%
02-5057.**.**	Maintenance Equip. & Facilities (Liquids)	254,000	104,039	149,961	41.0%
02-5058.**.**	Maintenance Equip. & Facilities (Common)	28,000	16,576	11,424	59.2%
02-5059.**.**	Maintenance Equip. & Facilities (Co-Gen)	369,000	136,582	232,418	37.0%
02-5061.**.**	Mileage	2,044	546	1,498	26.7%
02-5076.**.**	SCADA Infrastructure	30,504	15,918	14,586	52.2%
02-5077.**.**	IT Direct	4,996	-	4,996	-
02-5303.**.**	Group Insurance Waiver	3,592	2,118	1,474	59.0%
02-5309.**.**	Operating Leases	25,004	14,703	10,301	58.8%
02-5705.**.**	Monthly Car Allowance	18,600	13,417	5,183	72.1%
02-5799.**.**	Zephyr Wall Costs Share - O&M	(14,000)	(14,500)	500	-
02-6500.**.**	IT Allocations in to PC's & Depts.	187,624	104,396	83,228	55.6%
	Total Other Expenses	3,466,515	1,861,015	1,605,500	53.7%
	Total Expenses	5,866,155	3,312,677	2,553,478	56.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000.**.**.**	Regular Salaries-O&M	94,880	76,104	18,776	80.2%
05-5001.**.**.**	Overtime Salaries-O&M	584	1,443	(859)	247.1% (5)
05-5306.**.**.**	Scheduled Holiday Work	100	468	(368)	-
05-5401.**.**.**	Fringe Benefits IN to PC's & Depts.	49,940	40,064	9,876	80.2%
	Total Payroll Costs	145,504	118,079	27,425	81.2%
Other Expenses					
05-5002.**.**.**	Electricity	1,004	-	1,004	-
05-5003.**.**.**	Natural Gas	500	-	500	-
05-5015.**.**.**	Management Support Services	80,000	8,030	71,970	10.0%
05-5017.**.**.**	Legal Fees	2,008	1,351	658	67.3%
05-5026.**.**.**	Small Vehicle Fuel	500	-	500	-
05-5027.**.**.**	Insurance - Property/Liability	8,192	5,531	2,661	67.5%
05-5031.**.**.**	Safety Supplies	1,004	-	1,004	-
05-5034.**.**.**	Travel Expense/Tech. Conferences	2,000	300	1,700	15.0%
05-5035.**.**.**	Training Expense	4,000	62	3,938	1.5%
05-5036.**.**.**	Laboratory Supplies	24,504	17,083	7,421	69.7%
05-5038.**.**.**	Permits	198,996	210,586	(11,590)	105.8% (6)
05-5039.**.**.**	Membership Dues/Fees	5,564	-	5,564	-
05-5044.**.**.**	Offshore Monitoring	22,000	21,045	955	95.7% (7)
05-5046.**.**.**	Effluent Chemistry	20,004	4,545	15,459	22.7%
05-5058.**.**.**	Maintenance Equip. & Facilities (Common)	1,004	6,215	(5,211)	619.0% (8)
05-5067.**.**.**	Port Cleaning	35,000	-	35,000	-
05-6500.**.**.**	IT Allocations in to PC's & Depts.	11,716	6,519	5,197	55.6%
	Total Other Expenses	417,996	281,266	136,730	67.3%
	Total Expenses	563,500	399,345	164,155	70.9%
08 - Pre Treatment					
Salary and Fringe					
08-5000.**.**.**	Regular Salaries-O&M	81,396	55,404	25,992	68.1%
08-5306.**.**.**	Scheduled Holiday Work	356	-	356	-
08-5315.**.**.**	Comp Time - Environment	2,476	-	2,476	-
08-5401.**.**.**	Fringe Benefits IN to PC's & Depts.	42,852	29,167	13,685	68.1%
	Total Payroll Costs	127,080	84,571	42,509	66.5%
Other Expenses					
08-5011.**.**.**	Laboratory Services	3,008	100	2,908	3.3%
08-5015.**.**.**	Management Support Services	4,000	-	4,000	-
08-5016.**.**.**	Audit - Environmental	1,252	-	1,252	-
08-5017.**.**.**	Legal Fees	2,532	3,019	(487)	119.2% (9)
08-5018.**.**.**	Public Notices/ Public Relations	5,500	-	5,500	-
08-5021.**.**.**	Small Vehicle Expense - 31A	1,052	-	1,052	-
08-5022.**.**.**	Miscellaneous Expense	2,020	-	2,020	-
08-5026.**.**.**	Small Vehicle Fuel - 37A	1,096	30	1,066	2.7%
08-5027.**.**.**	Insurance - Property/Liability	2,844	1,920	924	67.5%
08-5028.**.**.**	Small Tools & Supplies	3,496	294	3,202	8.4%
08-5034.**.**.**	Travel Expense/Tech. Conferences	2,220	300	1,920	13.5%
08-5035.**.**.**	Training Expense	796	184	612	23.1%
08-5038.**.**.**	Permits and Fines	6,000	-	6,000	-
08-5039.**.**.**	Membership Dues/Fees	800	411	389	51.4%
08-6500.**.**.**	IT Allocations in to PC's & Depts.	10,052	5,593	4,459	55.6%
	Total Other Expenses	46,668	11,850	34,818	25.4%
	Total Expenses	173,748	96,421	77,327	55.5%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000.**.**.**	Regular Salaries-O&M	50,404	21,603	28,801	42.9%
12-5401.**.**.**	Fringe Benefits IN to PC's & Depts.	26,528	11,373	15,155	42.9%
	Total Payroll Costs	76,932	32,976	43,956	42.9%
Other Expenses					
12-5015.**.**.**	Management Support Services	157,000	82,737	74,263	52.7%
12-5017.**.**.**	Legal Fees	2,008	8,161	(6,153)	406.4% (9)
12-5027.**.**.**	Insurance - Property/Liability	3,116	2,104	1,012	67.5%
12-5034.**.**.**	Travel Expense/Tech. Conferences	1,352	-	1,352	-
12-5038.**.**.**	Permits	21,512	20,362	1,150	94.7%
12-6500.**.**.**	IT Allocations in to PC's & Depts.	6,236	3,463	2,773	55.5%
	Total Other Expenses	191,224	116,827	74,397	61.1%
	Total Expenses	268,156	149,803	118,353	55.9%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000.**.**	Regular Salaries-O&M	939,512	493,003	446,509	52.5%
15-5001.**.**	Overtime Salaries-O&M	21,760	10,294	11,466	47.3%
15-5306.**.**	Scheduled Holiday Work	5,096	10,985	(5,889)	215.6%
15-5315.**.**	Comp Time - O&M	2,100	1,781	320	84.8%
15-5401.**.**	Fringe Benefits IN to PC's & Depts.	494,584	259,532	235,052	52.5%
15-5700.**.**	Standby Pay	16,900	7,995	8,905	47.3%
	Total Payroll Costs	1,479,952	783,589	696,363	52.9%
Other Expenses					
15-5002.**.**	Electricity	256,000	125,068	130,932	48.9%
15-5003.**.**	Natural Gas	3,000	928	2,072	30.9%
15-5004.**.**	Potable & Reclaimed Water	25,004	12,491	12,513	50.0%
15-5006.**.**	Chlorine/Sodium Hypochlorite	92,000	49,881	42,119	54.2%
15-5007.**.**	Polymer Products	1,004	-	1,004	-
15-5008.**.**	Ferric Chloride	46,996	33,387	13,609	71.0% (1)
15-5009.**.**	Odor Control Chemicals	50,000	22,426	27,574	44.9%
15-5011.**.**	Laboratory Services	8,000	7,185	815	89.8% (10)
15-5012.**.**	Grit Hauling	20,996	13,912	7,084	66.3%
15-5013.**.**	Landscaping	56,000	20,945	35,055	37.4%
15-5015.**.**	Management Support Services	2,500	3,198	(698)	127.9%
15-5017.**.**	Legal Fees	15,700	2,660	13,040	16.9%
15-5019.**.**	Contract Services Misc.	85,000	51,383	33,617	60.5%
15-5021.**.**	Small Vehicle Expense - 31A	5,504	642	4,862	11.7%
15-5022.**.**	Miscellaneous Expense	1,000	286	714	28.6%
15-5023.**.**	Office Supplies - All	4,004	3,210	794	80.2%
15-5024.**.**	Petroleum Products	3,000	3,264	(264)	108.8% (11)
15-5025.**.**	Uniforms	8,996	3,905	5,091	43.4%
15-5026.**.**	Small Vehicle Fuel - 37A	2,000	877	1,123	43.9%
15-5027.**.**	Insurance - Property/Liability	46,396	31,324	15,072	67.5%
15-5028.**.**	Small Tools & Supplies	8,000	3,632	4,368	45.4%
15-5030.**.**	Trash Disposal	2,996	1,133	1,863	37.8%
15-5031.**.**	Safety Program & Supplies	33,352	16,296	17,056	48.9%
15-5032.**.**	Equipment Rental	1,000	-	1,000	-
15-5033.**.**	Recruitment	500	150	350	29.9%
15-5034.**.**	Travel Expense/Tech. Conferences	5,748	148	5,600	2.6%
15-5035.**.**	Training Expense	8,356	1,238	7,118	14.8%
15-5036.**.**	Laboratory Supplies	11,004	7,038	3,966	64.0%
15-5037.**.**	Office Equipment	2,000	10	1,990	0.5%
15-5038.**.**	Permits	8,000	393	7,608	4.9%
15-5039.**.**	Membership Dues/Fees	2,600	1,449	1,151	55.7%
15-5047.**.**	Access Road Expenses	44,004	38,887	5,117	88.4%
15-5048.**.**	Storm Damage	20,008	-	20,008	-
15-5050.**.**	Contract Services Generators - 29A	4,004	-	4,004	-
15-5052.**.**	Janitorial Services	12,004	7,748	4,256	64.5%
15-5054.**.**	Diesel Truck Maint - 31B	1,004	-	1,004	-
15-5055.**.**	Diesel Truck Fuel - 37B	496	-	496	-
15-5057.**.**	Maintenance Equip. & Facilities (Liquids)	179,000	71,773	107,227	40.1%
15-5058.**.**	Maintenance Equip. & Facilities (Common)	22,000	801	21,199	3.6%
15-5059.**.**	Maintenance Equip. & Facilities (Co-Gen) 41-D	-	-	-	-
15-5060.**.**	Maintenance Equip. & Facilities (AWT) 41-E	37,000	8,063	28,937	21.8%
15-5061.**.**	Mileage	500	124	376	24.9%
15-5076.**.**	SCADA Infrastructure	30,500	15,918	14,582	52.2%
15-5303.**.**	Group Insurance Waiver	3,600	2,118	1,482	58.8%
15-5305.**.**	Medicare Tax Payments for Employees	1,336	1,150	186	86.1%
15-5705.**.**	Monthly Car Allowance	4,204	2,472	1,732	58.8%
15-6500.**.**	IT Allocations in to PC's & Depts.	116,012	64,551	51,461	55.6%
	Total Other Expenses	1,292,328	632,066	660,262	48.9%
	Total Expenses	2,772,280	1,415,656	1,356,624	51.1%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000.**.**	Regular Salaries-O&M	1,721,896	884,594	837,302	51.4%
17-5001.**.**	Overtime Salaries-O&M	66,064	31,349	34,715	47.5%
17-5306.**.**	Scheduled Holiday Work	14,880	24,671	(9,791)	165.8%
17-5315.**.**	Comp Time - O&M	2,564	2,649	(85)	103.3%
17-5401.**.**	Fringe Benefits IN to PC's & Depts.	906,456	465,678	440,778	51.4%
17-5700.**.**	Standby Pay	25,356	15,568	9,789	61.4%
	Total Payroll Costs	2,737,216	1,424,510	1,312,706	52.0%
Other Expenses					
17-5002.**.**	Electricity	350,000	301,284	48,716	86.1% (12)
17-5003.**.**	Natural Gas	109,996	53,849	56,147	49.0%
17-5004.**.**	Potable & Reclaimed Water	28,000	19,145	8,855	68.4%
17-5005.**.**	Co-generation Power Credit	(669,000)	(379,749)	(289,251)	56.8%
17-5006.**.**	Chlorine/Sodium Hypochlorite	380,000	229,835	150,165	60.5%
17-5007.**.**	Polymer Products	460,000	259,988	200,012	56.5%
17-5008.**.**	Ferric Chloride	265,004	183,081	81,923	69.1%
17-5009.**.**	Odor Control Chemicals	43,996	17,206	26,790	39.1%
17-5010.**.**	Other Chemicals - Misc.	1,996	-	1,996	-
17-5011.**.**	Laboratory Services	17,072	6,170	10,902	36.1%
17-5012.**.**	Grit Hauling - 21A	50,000	21,298	28,702	42.6%
17-5013.**.**	Landscaping	74,996	101,410	(26,414)	135.2% (13)
17-5015.**.**	Management Support Services	21,000	14,362	6,638	68.4%
17-5017.**.**	Legal Fees	5,004	13,281	(8,277)	265.4% (14)
17-5019.**.**	Contract Services Misc.	95,000	51,840	43,160	54.6%
17-5021.**.**	Small Vehicle Expense	7,000	5,078	1,922	72.5%
17-5022.**.**	Miscellaneous Expense	7,000	669	6,331	9.6%
17-5023.**.**	Office Supplies - All	11,000	7,212	3,788	65.6%
17-5024.**.**	Petroleum Products	20,000	2,520	17,480	12.6%
17-5025.**.**	Uniforms	27,004	13,606	13,398	50.4%
17-5026.**.**	Small Vehicle Fuel	9,004	4,359	4,645	48.4%
17-5027.**.**	Insurance - Property/Liability	115,592	78,042	37,550	67.5%
17-5028.**.**	Small Tools & Supplies	29,000	11,849	17,151	40.9%
17-5030.**.**	Trash Disposal	1,996	1,113	883	55.8%
17-5031.**.**	Safety Program & Supplies	40,504	23,184	17,320	57.2%
17-5032.**.**	Equipment Rental	3,004	-	3,004	-
17-5033.**.**	Recruitment	1,004	295	709	29.3%
17-5034.**.**	Travel Expense/Tech. Conferences	9,496	632	8,864	6.7%
17-5035.**.**	Training Expense	12,700	3,300	9,401	26.0%
17-5036.**.**	Laboratory Supplies	23,672	9,341	14,331	39.5%
17-5037.**.**	Office Equipment	50,000	16,546	33,454	33.1%
17-5038.**.**	Permits	21,508	2,142	19,366	10.0%
17-5039.**.**	Membership Dues/Fees	4,860	2,281	2,579	46.9%
17-5049.**.**	Biosolids Disposal	905,000	540,432	364,568	59.7%
17-5050.**.**	Contract Services Generators - 29A	8,000	-	8,000	-
17-5052.**.**	Janitorial Services	41,000	22,155	18,845	54.0%
17-5053.**.**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	-
17-5054.**.**	Diesel Truck Maint	19,000	7,042	11,958	37.1%
17-5055.**.**	Diesel Truck Fuel - 37B	8,004	2,684	5,320	33.5%
17-5056.**.**	Maintenance Equip. & Facilities (Solids)	206,000	100,092	105,908	48.6%
17-5057.**.**	Maintenance Equip. & Facilities (Liquids)	236,000	158,075	77,925	67.0%
17-5058.**.**	Maintenance Equip. & Facilities (Common)	34,000	89,935	(55,935)	264.5% (15)
17-5059.**.**	Maintenance Equip. & Facilities (Co-Gen)	591,000	205,178	385,822	34.7%
17-5060.**.**	Maintenance Equip. & Facilities (AWT)	38,000	43,650	(5,650)	114.9% (16)
17-5061.**.**	Mileage	1,004	597	407	59.4%
17-5068.**.**	MNWD Potable Water Supplies & Svcs.	42,000	14,429	27,571	34.4%
17-5076.**.**	SCADA Infrastructure	30,504	15,919	14,585	52.2%
17-5077.**.**	IT Direct	5,004	-	5,004	-
17-5105.**.**	Co-Generation Power Credit - Offset	669,000	379,749	289,251	56.8%
17-5303.**.**	Group Insurance Waiver	7,200	3,960	3,240	55.0%
17-5309.**.**	Operating Leases	6,004	-	6,004	-
17-5705.**.**	Monthly Car Allowance	8,388	4,943	3,445	58.9%
17-6241.**.**	Education Reimbursement	-	606	(606)	-
17-6500.**.**	IT Allocations in to PC's & Depts.	212,628	118,306	94,322	55.6%
	Total Other Expenses	4,760,144	2,782,921	1,977,223	58.5%
	Total Expenses	7,497,360	4,207,431	3,289,929	56.1%

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

For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main					
Salary and Fringe					
21-5000.**.**.**	Regular Salaries-O&M	1,384	699	685	50.5%
21-5401.**.**.**	Fringe Benefits IN to PC's & Depts.	732	368	364	50.3%
	Total Payroll Costs	2,116	1,067	1,049	50.4%
Other Expenses					
21-5014.**.**.**	Engineering - Misc.	-	-	-	-
21-5019.**.**.**	Contract Services Misc. - 29	1,004	-	1,004	-
21-5027.**.**.**	Insurance - Property/Liability	968	654	314	67.5%
21-5035.**.**.**	Training Expense	-	-	-	-
	Total Other Expenses	1,972	654	1,318	33.1%
	Total Expenses	4,088	1,721	2,367	42.1%
23 - North Coast Interceptor					
Other Expenses					
23-5017.**.**.**	Legal Fees	-	8,680	(8,680)	-
	Total Other Expenses	-	8,680	(8,680)	-
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000.**.**.**	Regular Salaries-O&M	103,084	73,734	29,350	71.5%
24-5001.**.**.**	Overtime Salaries-O&M	1,576	945	631	60.0%
24-5306.**.**.**	Scheduled Holiday Work	168	292	(124)	174.1%
24-5401.**.**.**	Fringe Benefits IN to PC's & Depts.	54,264	38,816	15,448	71.5%
	Total Payroll Costs	159,092	113,787	45,305	71.5%
Other Expenses					
24-5015.**.**.**	Management Support Services	80,000	5,132	74,868	6.4%
24-5017.**.**.**	Legal Fees	2,008	-	2,008	-
24-5027.**.**.**	Insurance - Property/Liability	8,556	5,776	2,780	67.5%
24-5031.**.**.**	Safety Supplies	1,004	-	1,004	-
24-5034.**.**.**	Travel Expense/Tech. Conferences	2,004	300	1,704	15.0%
24-5035.**.**.**	Training Expense	2,004	62	1,942	3.1%
24-5036.**.**.**	Laboratory Supplies	24,500	15,503	8,997	63.3%
24-5038.**.**.**	Permits	199,000	198,664	336	99.8% (6)
24-5039.**.**.**	Membership Dues/Fees	5,564	-	5,564	-
24-5044.**.**.**	Offshore Monitoring	22,004	32,275	(10,271)	146.7% (7)
24-5046.**.**.**	Effluent Chemistry	20,000	1,680	18,320	8.4%
24-5058.**.**.**	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	-
24-5067.**.**.**	Port Cleaning	35,000	-	35,000	-
24-5802.**.**.**	Shipping/Freight	100	-	100	-
24-6500.**.**.**	IT Allocations in to PC's & Depts.	12,728	7,082	5,646	55.6%
	Total Other Expenses	415,476	266,475	149,001	64.1%
	Total Expenses	574,568	380,262	194,306	66.2%
	Total O&M Expenses	17,719,855	9,971,995	7,747,860	56.3%

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

For the Period Ended January 31, 2021

- (1) Odor levels continue to rise in the collection system resulting in higher levels of Ferric Chloride usage to control hydrogen sulfide in the treatment plants and the digester gas.
- (2) ADS was retained to provide alternative flow measurement for JBL's Plant #2 during an extended construction shutdown.
- (3) SOCWA permits are primarily paid in July and November each year and compliance with AQMD Rule 1110.2; Fee Increases.
- (4) Janitorial services are elevated due to additional office disinfection and cleaning needs due to the Pandemic.
- (5) Overtime for O&M support to nighttime construction activities for the San Juan Creek Ocean Outfall project.
- (6) Water Quality Fee increases.
- (7) Annual, one-time cost for kelp overflight required by the NPDES permit; Water Quality Fee increases.
- (8) The surge tower site was re-fenced and cleared to discourage unauthorized entry.
- (9) Costs related to required pretreatment ordinance update.
- (10) Annual priority pollutants testing as required by NPDES permit.
- (11) Additional fuel purchases have been required at CTP due to several extended power outages and construction-related shutdowns.
- (12) Engine repairs and equipment overhauls have required engine shutdowns and electricity purchases.
- (13) Tree removals from emergency projects in response to Santa Ana Winds.
- (14) Construction related expenses.
- (15) Emergency water line repairs completed at RTP.
- (16) Purchasing related to valves and actuators replacement at AWT.

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

For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	196,836	92,023	104,813	46.8%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	103,621	48,444	55,177	46.8%
	Total Payroll Costs	300,457	140,466	159,991	46.8%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	1,844	1,340	57.9%
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	-	2,244	-
01-5037-03-00-00	Office Equipment	408	-	408	-
01-5039-03-00-00	Membership Dues/Fees	1,377	332	1,045	24.1%
01-5061-03-00-00	Mileage	510	47	463	9.1%
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	2,472	1,728	58.8%
01-5802-03-00-00	Shipping/Freight	312	-	312	-
01-6500-03-00-00	IT Allocations in to PC's & Depts.	50,794	28,262	22,532	55.6%
	Total Other Expenses	76,810	38,395	38,416	50.0%
	Total Engineering Expenses	377,267	178,861	198,407	47.4%

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

For the Period Ended January 31, 2021
(in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT	944,542	511,073	433,469	54.1%
01-6001-04-00-00	Overtime Salaries-Admin or IT	20,000	21,857	(1,857)	109.3% (1)
01-6315-04-00-00	Comp Time - Admin	15,000	6,772	8,228	45.1%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	497,236	269,045	228,191	54.1%
	Total Payroll Costs	1,476,778	808,746	668,032	54.8%
Other Expenses					
01-5018-04-00-00	Public Notices/ Public Relations	-	2,180	(2,180)	- (2)
01-6101-04-00-00	HR Recruitment & Employee Relations	26,500	6,289	20,211	23.7%
01-6102-04-00-00	Subscriptions	2,040	1,453	587	71.2%
01-6200-04-00-00	Management Support Services	102,000	32,356	69,644	31.7%
01-6201-04-00-00	Audit	44,900	32,500	12,400	72.4%
01-6202-04-00-00	Legal	200,000	181,713	18,287	90.9% (3)
01-6204-04-00-00	Postage	4,000	364	3,636	9.1%
01-6223-04-00-00	Office Supplies - Admin	6,120	3,038	3,082	49.6%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	1,310	(310)	131.0%
01-6234-04-00-00	Memberships & Trainings	88,950	40,308	48,642	45.3%
01-6239-04-00-00	Travel & Conference	10,965	1,898	9,067	17.3%
01-6241-04-00-00	Education Reimbursement	3,000	-	3,000	-
01-6310-04-00-00	Miscellaneous	23,460	10,321	13,139	44.0%
01-6311-04-00-00	Mileage	1,211	26	1,185	2.1%
01-6317-04-00-00	Contract Services Misc	5,610	3,214	2,396	57.3%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	116,635	64,897	51,738	55.6%
01-6601-04-00-00	Shipping/Freight	3,740	2,047	1,693	54.7%
01-6705-04-00-00	Monthly Car Allowance	12,000	7,062	4,938	58.8%
	Total Other Expenses	652,131	390,975	261,156	60.0%
	Total Admin Expenses	2,128,909	1,199,721	929,188	56.4%

- (1) Overtime salary and comp should be considered together, 81.8%
- (2) Publication fee for ordinance
- (3) JPA Revision, projected over budget \$50,000 for Legal line item

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
 For the Period Ended January 31, 2021
 (in dollars)

		FY 2020-21 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	93,909	58,464	35,445	62.3%
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	30,777	18,660	62.3%
	Total Salary & Fringe	148,346	89,242	59,105	60.2%
Other Expenses					
01-5028-05-00-00	Small Tools & Supplies	1,000	-	1,000	-
01-5035-05-00-00	Training Expense	2,000	-	2,000	-
01-5037-05-00-00	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	25,300	13,479	65.2%
01-6301-05-00-00	Hardware Maintenance Agreements	7,126	1,305	5,821	18.3%
01-6302-05-00-00	Cloud Subscriptions (Internet)	148,369	79,455	68,914	53.6%
01-6303-05-00-00	Telecommunications	150,534	77,921	72,613	51.8%
01-6305-05-00-00	IT Professional Services	108,060	81,751	26,309	75.7%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	29,200	6,119	23,081	21.0%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	26,908	8,534	18,374	31.7%
01-6308-05-00-00	IT Memberships	160	-	160	-
01-6309-05-00-00	Operating Leases	55,200	31,605	23,595	57.3%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	-
01-6312-05-00-00	Computer & Photocopy Supplies	-	1,836	(1,836)	-
	Total Other Expenses	576,061	313,827	262,234	54.5%
	Total Expenses before Allocation	724,407	403,068	321,339	55.6%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(724,407)	(403,068)	(321,339)	55.6%
	Total IT Allocations (Out) to PC's & Depts	(724,407)	(403,068)	(321,339)	55.6%

Agenda Item

4E

Board of Directors Meeting

Meeting Date: March 4, 2021

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

Summary/Discussion

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

1. Monthly Operational Report

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

2. SOCWA Ocean Outfall Discharges by Agency

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

3. 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 January, 2021

Excursion, Complaint, and Violation Events

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

(1) From a home owner that recently relocated next to JBL. Staff continues to communicate with the new owner to identify the source of odor.

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.01	7.79	6.00	0.83	16.61
Effluent (mgd)	2.12	6.19	6.00	1.31	15.62
Peak Flow (mgd)	7.06	18.96	12.83	6.01	44.86
Influent BOD (mg/l)	231	307	318	330	
Influent TSS (mg/l)	236	327	641	348	
Effluent BOD (mg/l)	6.4	5.4	8.5	11.5	
Effluent TSS (mg/l)	9.1	10.1	9.6	11.6	
Effluent Turbidity (NTU)	2.8	5.0	4.0	7.0	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.72	1.59		2.32
Days of Operation (days)	31	31		
Total Flow (million gallons)	22.4	49.4		71.8
Plant Irrigation (million gallons)	0.00	0.02	0.25	
AWT Time Online (%)	100.0	57.0		

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 January, 2021 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		784.9	0.0	784.9
Nursery Products (tons)		430.5	754.4	1,184.9
Prima Deshecha (tons)		37.5	0.0	37.5
Other: (tons)		0.0	0.0	0.0
Total Processed (tons)		1,252.9	754.4	2,007.3

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	632	861	778	2,271
Corrective Maintenance	12	99	100	211

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	0	0	1	1
Residents	0	0	0	0
Others	8	9	3	20
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	12.0	25.6	NA	37.6

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	9.0	NA	NA	9.0
Utility Power Purchase (kWh)	208,238	29,337	NA	237,575
Cogen Power (kWh)		583,411	444,857	1,028,268
Natural Gas (Dth)	54	1,472	1,285	2,811
Digester Gas to Engine (scfm)		9,003,954	5,617,907	14,621,861
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		768,146	457,272	1,225,418
Digester Gas Power Savings		\$62,385		

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 January, 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	1.470	69.99%				1.47
EBSB	0.046	2.19%				0.05
SCWD	0.584	27.82%		1.503	22.03%	2.09
MNWD	0.000	0.00%	7.79	1.400	20.52%	9.19
CSJC				2.288	33.53%	2.29
SMWD				1.632	23.92%	1.63
Total	2.100	100.00%	7.79	6.823	100.00%	16.71

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.47	9.51%	1.47	
EBSB				0.05	0.30%	0.05	
SCWD	1.70	13.69%		0.50	3.26%	2.21	Includes Desalters
MNWD	2.35	18.86%		6.19	40.05%	8.54	
ETWD				2.93	18.95%	2.93	Direct Outfall Only
CSJC	2.52	20.25%				2.52	Includes Desalter
SMWD	2.45	19.71%				2.45	Includes Chiquita
CSC	3.42	27.50%				3.42	Direct Outfall Only
IRWD				4.32	27.95%	4.32	Direct Outfall Only
Total	12.45	100.00%	10.14	15.46	100.00%	27.91	

SOCWA Operational Report January, 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%	2.070	33.06%	2.288	33.53%	2.16	31.10%
MNWD	3.00	23.08%	1.400	22.36%	1.400	20.52%	1.40	20.15%
SCWD	3.75	28.85%	1.691	27.01%	1.503	22.03%	1.76	25.38%
SMWD	2.25	17.31%	1.100	17.57%	1.632	23.92%	1.62	23.36%
Total	13.00	100.00%	6.261	100.00%	6.823	100.00%	6.95	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%	5,706	27.34%	7,312	25.12%	5,977	26.59%
MNWD	8,340	21.62%	3,859	18.49%	8,005	27.50%	5,819	25.88%
SCWD	7,715	20.00%	5,181	24.83%	4,466	15.34%	5,843	25.99%
SMWD	10,946	28.38%	6,122	29.34%	9,329	32.05%	4,843	21.54%
Total	38,573	100.00%	20,868	100.00%	29,112	100.00%	22,481	100.00%

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

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.62%	2.867	23.61%	3.423	27.50%	2.698	24.018%
CSJC	11.08%	2.460	20.26%	2.520	20.25%	2.462	21.917%
MNWD(3)	15.51%	2.115	17.42%	2.347	18.86%	2.136	19.017%
SCWD	12.47%	1.845	15.20%	1.704	13.69%	1.971	17.551%
SMWD	44.32%	2.855	23.51%	2.453	19.71%	1.965	17.496%
Total	100.00%	12.142	3.10%	12.448	100.00%	11.232	100.000%

(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 January, 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	33.47%	1.620	20.81%	1.470	18.63%	1.581	20.03%
EBS	0.20	2.64%	0.050	0.64%	0.046	0.58%	0.093	1.18%
SCWD	2.00	26.35%	1.019	13.09%	0.584	7.40%	0.777	9.85%
MNWD	1.96	25.82%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	88.28%	2.689	34.54%	2.100	26.61%	2.450	31.06%

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	0.01422	0.002	0.0000	0.0157	0.0157	0.199%	0.0154	0.195%
EBS	0.00044	0.000	0.0000	0.0005	0.0005	0.006%	0.0009	0.011%
SCWD	0.00893	0.001	0.0000	0.0062	0.0062	0.079%	0.0074	0.094%
ETWD	0.01411	0.002	0.0000	0.0153	0.0153	0.194%	0.0157	0.199%
MNWD	7.55200	0.995	7.7861	0.0681	7.8543	99.521%	7.8504	99.500%
Total	7.58970	100.000%	7.7861	0.1059	7.8921	100.000%	7.8898	100.000%

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

SOCWA Operational Report January, 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%	5,770	15.34%	174,767	14.83%	158,790	14.91%
EBSB	295	0.59%	180	0.48%	5,458	0.46%	9,112	0.86%
SCWD	4,480	8.96%	3,626	9.64%	69,467	5.90%	76,172	7.15%
ETWD	10,200	20.41%	5,701	15.15%	170,503	14.47%	162,060	15.22%
MNWD	29,395	58.82%	22,346	59.39%	757,957	64.33%	658,580	61.86%
Total	49,975	100.00%	37,623	100.00%	1,178,150	100.00%	1,064,714	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.000%	1.89	17.73%	1.470	9.51%	1.581	17.91%
EBSB	0.780%	0.05	0.47%	0.046	0.30%	0.093	1.05%
ETWD	16.302%	2.46	23.08%	2.929	18.95%	2.031	23.02%
IRWD	15.760%	2.48	23.26%	4.321	27.95%	2.094	23.73%
MNWD	43.848%	3.08	28.89%	6.192	40.05%	2.747	31.13%
SCWD	12.310%	0.70	6.57%	0.503	3.26%	0.278	3.15%
Total	100.000%	10.66	100.00%	15.461	100.00%	8.824	100.00%

SOCWA Operational Report January, 2021

Select Critical Equipment Repairs

JBL - PC2

Replaced main gate operators.
Rebuilt Telescopic valves.
Repaired controls for the Effluent Pump Station.
Performed a tire and brake service on Vehicle 102.
Fabricated new spool and replaced failed pump for Digester Heat Loop.
Installed temporary grinder for transfer line between Digesters 3 and 4.
Removed and replaced a block heater and batteries on Godwin 1 and 2.
Unplugged and cleared Grit Augur 1 of debris which was caused by a faulty motor.
Rebuilt bent arms in DAFT 1, which had become deformed after a power outage.
Replaced TWAS Pump 3, which had a worn-out stator in order to continue DAFT operation.
Oversaw contractors replace failed top safety rail on Primary Tank 8.
Replaced motor and piping on the Stage 2 Caustic Pump, which had failed due to age.
Replaced redex coupling on Centrifuge 2, which was causing high torque shutdowns.
Installed new rock trap for Primary Sludge Pump 1 to prevent damage to the impeller.
Replaced failing Grit Conveyor wiper blades.

CTP - PC15

Completed fabrication project for East Primary Agitation Airline to promote better treatment.
Drained and cleaned Grit Auger drain bypass line in order to support Engineering contractors.
Relocated all shop equipment to the VSB building to prep the shop for the shop rehabilitation project.
Pressure washed shop walls and performed hardware replacements in order to prep shop for rehab.
Diagnosed and made adjustments to East Primary Pumps and valves to maintain Sludge Pump prime.
Replaced the Inline Foul Air Fan 1, which had failed due to a warped bearing.
Cleared out the AWT building to prepare for the new floor coating.
Maintained storm drains, including clearing out all debris to stay prepared for future rain events.

RTP - PC17

Removed sludge and sand out of all 5 AWT Chlorine Contact Tank passes which were accumulating.
Cleared and freed 48" AWT Waterman gate, which failed.
Fabricated new SET sump piping with new stainless steel to prevent future corrosion and wear.
Replaced sludge pump for Primary Tank 5, which had become worn and aged.
Removed a 3 Water HP vertical turbine pump and for scheduled rehabilitation service.
Installed Ferric Metering Pump 1, which was failing due to worn gearbox components.

Support Services - ALL PC'S

Performed SCADA screen upgrades and standardizations at CTP.
Performed SCADA screen upgrades and standardizations at RTP.
Diagnosed Godwin Pump 2 failure to start at JBL.

SOCWA Operational Report January, 2021

Select Critical Equipment Repairs (cont'd)

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

Diagnosed and repaired Plant 1 Bubbler Instrument at JBL.
Installed a new gas burner flow meter at JBL to comply with SCAQMD requirements.
Performed PLC and UPS battery upgrades and replacements at all three plants.
Replaced failed Aeration Tank 3 DO Probe at RTP.
Installed a new Tank Drainage transducer, which had shorted out at RTP.
Performed lighting upgrades for Blower Room at RTP to address a safety issue.
Upgraded lighting in Polymer room to LED fixtures at RTP to address a safety issue.
Cleared faulty rain sensor on the Weather Station level detector at RTP.
Replaced a failing VAPEX analog card at RTP.
Removed and replaced failed Godwin control batteries at JBL.
Troubleshoot polymer flowmeter 2 which had become clogged at RTP.
Replaced failing controls for Headworks Conveyor 2 at JBL.
Removed old and abandoned conduit in the Blower Room Galley at JBL.
Troubleshoot West RAS Nitrate probe, which was reading erratically at CTP.
Replaced coupling gel for the Emerald Bay flowmeter that had dried out.
Oversaw HVAC repair of CEMS unit at RTP.
Rebuilt CEMS inlet gas sample pump at RTP.
Troubleshoot and cleaned out Chiller 2, which was shutting down unexpectedly at RTP.
Replaced Boiler feed pump motor, which had failed at RTP.

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

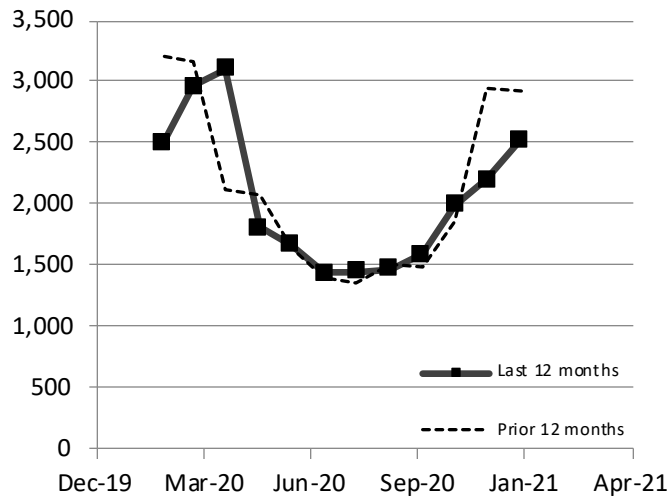
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report January, 2021

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.47	9.51%	1.47
EBSB			0.05	0.30%	0.05
SCWD	1.70	13.69%	0.50	3.26%	2.21
MNWD	2.35	18.86%	6.19	40.05%	8.54
ETWD			2.93	18.95%	2.93
CSJC	2.52	20.25%			2.52
SMWD	2.45	19.71%			2.45
CSC	3.42	27.50%			3.42
IRWD			4.32	27.95%	4.32
Total	12.45	100.00%	15.46	100.00%	27.91
or Acre-Feet per year equivalent					31,258

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

Jan-21	2,516
Dec-20	2,189
Nov-20	1,985
Oct-20	1,586
Sep-20	1,461
Aug-20	1,445
Jul-20	1,434
Jun-20	1,663
May-20	1,801
Apr-20	3,107
Mar-20	2,952
Feb-20	2,490
Total	24,629



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

January 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	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	MGD	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
01/01/21	3.319	24.0		<0.3	3.235	15.6	7.9	0.1	4.980	12.3	7.0	0.2	2.379	11.4	7.0	0.1	0.392	0.571	0.134	15.010	0.00
01/02/21	3.322	23.0		<0.3	3.198	20.2		0.1	5.48	13.8	12.0	0.2	2.629	20.5	13.0		0.392	0.570	0.134	15.725	0.00
01/03/21	3.322	20.0	13.0	<0.3	3.412	21.0		0.1	5.590	18.6	8.0	0.3	2.675	1.9	3.0		0.392	0.570	0.006	15.967	0.00
01/04/21	3.321	24.0	14.0	<0.3	3.349	10.2	5.5	0.1	8.080	33.4	13.0	0.1	2.657	4.5	4.0	<0.1	0.392	0.569	0.005	18.373	0.00
01/05/21	3.328	24.0	14.0	<0.3	2.774	14.6	7.8	0.1	8.150	12.6	6.0	0.3	2.584	5.4	6.0	<0.1	0.324	0.569	0.101	17.830	0.01
01/06/21	3.319	26.0	17.0	<0.3	3.673	12.6	4.3	0.1	7.950	9.8	4.0	0.3	0.762	16.7	9.0	0.1	0.392	0.568	0.105	16.769	0.00
01/07/21	3.321	22.0	14.0	<0.3	3.182	12.0	4.3	<0.1	7.580	10.2	5.0	0.2	2.157	11.7	10.0	0.1	0.392	0.568	0.106	17.306	0.00
01/08/21	3.460	27.0	16.0	<0.3	3.205	24.0	7.3	<0.1	7.600	9.8	5.0	0.2	1.647	12.7	7.0	0.1	0.376	0.563	0.122	16.973	0.01
01/09/21	3.466	24.0		<0.3	3.204	20.2		<0.1	7.600	9.0	4.0		1.545	11.3	6.0		0.380	0.574	0.135	16.904	0.00
01/10/21	3.464	22.0	11.0	<0.3	3.472	16.2		<0.1	7.850	7.4	5.0	0.2	2.287	3.8	5.0		0.379	0.574	0.120	18.146	0.00
01/11/21	3.465	23.0	10.0	<0.3	2.780	13.6	5.8	<0.1	8.040	11.7	5.0	0.1	1.849	4.1	4.0	<0.1	0.380	0.574	0.117	17.205	0.00
01/12/21	3.325	20.0	9.7	<0.3	2.547	13.2	4.8	0.1	7.760	7.7	4.0	0.2	0.872	22.8	15.0	<0.1	0.380	0.498	0.134	15.516	0.00
01/13/21	3.316	19.0	9.2	<0.3	2.458	13.0	4.1	<0.1	7.550	9.5	5.0	0.2	0.868	13.1	8.0	2.5	0.378	0.574	0.154	15.298	0.00
01/14/21	3.181	17.0	8.7	<0.3	1.696	13.8	5.4	0.1	7.430	8.8	5.0	0.3	1.272	6.1	6.0	0.1	0.380	0.570	0.133	14.662	0.00
01/15/21	3.182	14.0	8.4	<0.3	1.598	12.8	5.0	0.1	7.510	9.6	4.0	0.2	1.420	9.3	6.0	0.1	0.379	0.581	0.140	14.810	0.00
01/16/21	3.179	12.0		<0.3	2.420	15.6		<0.1	7.530	9.3	5.0	0.2	0.931	12.9	7.0		0.379	0.589	0.132	15.160	0.00
01/17/21	3.251	14.0	7.3	<0.3	2.771	21.0		0.1	2.650	9.4	6.0	<0.1	0.943	5.2	5.0		0.379	0.586	0.140	10.720	0.00
01/18/21	3.318	12.0	9.1	<0.3	2.252	25.4	11.2	0.2	3.470	8.2	4.0	<0.1	2.459	2.4	5.0	<0.1	0.380	0.585	0.131	12.595	0.00
01/19/21	3.320	11.0	7.0	<0.3	1.931	27.2	9.7	0.6	2.890	8.0	4.0	<0.1	2.124	3.2	5.0	<0.1	0.379	0.584	0.115	11.343	0.00
01/20/21	3.403	16.0	8.4	<0.3	1.443	22.0	7.0	0.1	2.720	7.0	3.0	<0.1	2.405	4.1	3.0	0.1	0.380	0.582	0.124	11.057	0.00
01/21/21	3.479	12.0	8.7	<0.3	3.007	11.2	5.4	0.1	4.960	5.9	8.0	0.1	1.411	9.3	7.0	0.3	0.337	0.580	0.158	13.932	0.00
01/22/21	3.698	13.0	9.2	<0.3	2.108	13.4	5.9	<0.1	5.920	6.4	3.0	0.1	1.997	8.9	7.0	0.1	0.392	0.580	0.133	14.828	0.00
01/23/21	3.320	13.0		<0.3	3.574	9.8		<0.1	4.210	6.9	4.0		2.443	30.4	15.0		0.392	0.580	0.132	14.651	0.15
01/24/21	3.323	13.0	8.6	<0.3	3.542	10.0		<0.1	5.320	9.0	5.0	0.1	2.642	2.2	3.0		0.392	0.579	0.118	15.916	0.07
01/25/21	3.870	12.0	9.9	<0.3	2.941	9.4	4.4	<0.1	5.860	8.4	5.0	<0.1	2.738	3.9	3.0	<0.1	0.352	0.577	0.136	16.474	0.00
01/26/21	3.368	7.3	7.4	<0.3	3.154	6.2	3.4	<0.1	6.160	8.8	4.0	0.1	2.717	1.6	2.0	0.3	0.392	0.577	0.130	16.498	0.00
01/27/21	3.320	10.0	9.4	<0.3	3.279	8.0	3.7	<0.1	5.890	10.1	2.0	0.2	1.822	9.2	6.0	0.1	0.393	0.576	0.156	15.436	0.00
01/28/21	3.322	6.8	6.3	<0.3	3.134	13.4	5.2	<0.1	6.360	7.3	7.0	0.2	1.994	7.2	6.0	<0.1	0.392	0.597	0.003	15.802	0.30
01/29/21	3.327	10.0	6.9	<0.3	4.332	13.4	5.9	<0.1	6.250	8.5	4.0	0.2	2.769	8.6	6.0	0.1	0.392	0.607	0.004	17.681	0.44
01/30/21	3.342	15.0		<0.3	3.356	15.8		<0.1	6.490	7.7	6.0		2.967	9.1	5.0		0.412	0.574	0.002	17.143	0.01
01/31/21	3.320	19.0	8.0	<0.3	3.775	14.8		<0.1	6.110	8.6	4.0	0.2	2.631	9.4	5.0		0.417	0.567	0.003	16.823	0.00
AVG	3.364	16.9	10.0	<0.3	2.929	15.1	5.9	<0.1	6.192	10.1	5.4	<0.2	2.019	9.1	6.4	<0.2	0.383	0.575	0.105	15.566	
TOTAL	104.27				90.80				191.94				62.60				11.87	17.81	3.263	482.55	0.99

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2021
 REPORT DUE: March 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 1043

Weather: Fog

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	01/07/21	805	20	20	2	None	None	None	None	Green	59	Clear		
S4	01/07/21	1035	10	<10	<2	None	None	None	None	Green		Clear		
S5	01/07/21	1015	<10	<10	2	None	None	None	None	Green		Clear		
S6	01/07/21	955	100	<10	<2	None	None	None	None	Green		Clear		
WEST	01/07/21	945	<10	<10	<2	None	None	None	None	Green		Clear		
S7	01/07/21	940	10	<10	<2	None	None	None	None	Green		Clear		
S8	01/07/21	935	10	<10	<2	None	None	None	None	Blue		Clear		
S9	01/07/21	915	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	01/07/21	910	70	30	2	None	None	None	None	Green		Slightly Turbid		
S10	01/07/21	845	<10	<10	<2	None	None	None	None	Green		Clear		
S11	01/07/21	840	<10	<10	<2	None	None	None	None	Green		Clear		
S12	01/07/21	830	20	<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: January 2021
 REPORT DUE: March 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 0823

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	01/13/21	0945	<10	<10	<2	None	None	None	None	Green	60	Slightly Turbid		
S4	01/13/21	0925	20	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	01/13/21	0900	<10	<10	20	None	None	None	None	Green		Slightly Turbid		
S6	01/13/21	0850	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	01/13/21	0845	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	01/13/21	0840	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	01/13/21	0835	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	01/13/21	0825	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
ACM1	01/13/21	0824	<10	<10	6	None	None	None	None	Green		Slightly Turbid		
S10	01/13/21	0810	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S11	01/13/21	0805	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S12	01/13/21	0800	30	20	2	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: January 2021
 REPORT DUE: March 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 916

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	01/20/21	745	10	100	10	None	None	None	None	Green	57	Clear		
S4	01/20/21	1020	<10	<10	<2	None	None	None	None	Green		Clear		
S5	01/20/21	1000	<10	<10	<2	None	None	None	None	Green		Clear		
S6	01/20/21	940	10	<10	<2	None	None	None	None	Green		Clear		
WEST	01/20/21	930	20	<10	<2	None	None	None	None	Green		Clear		
S7	01/20/21	925	<10	<10	<2	None	None	None	None	Green		Clear		
S8	01/20/21	915	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	01/20/21	900	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	01/20/21	840	10	<10	<2	None	None	None	None	Green		Clear		
S10	01/20/21	830	<10	<10	<2	None	None	None	None	Green		Clear		
S11	01/20/21	825	<10	10	<2	None	None	None	None	Green		Clear		
S12	01/20/21	820	<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: January 2021
 REPORT DUE: March 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 0730

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	01/27/21	1040	10	<10	2	None	None	None	None	Green	57	Slightly Turbid		
S4	01/27/21	1025	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	01/27/21	1000	10	<10	8	None	None	None	None	Green		Slightly Turbid		
S6	01/27/21	0935	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
WEST	01/27/21	0930	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	01/27/21	0925	<10	<10	2	None	None	None	None	Green		Slightly Turbid		
S8	01/27/21	0920	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	01/27/21	0855	20	10	8	None	None	None	None	Green		Slightly Turbid		
ACM1	01/27/21	0855	50	10	10	None	None	None	None	Green		Slightly Turbid		
S10	01/27/21	0840	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	01/27/21	0835	10	<10	20	None	None	None	None	Green		Slightly Turbid		
S12	01/27/21	0850	<10	<10	2	None	None	None	None	Green		Slightly Turbid		

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

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 ACOO
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: January 2021

REPORT DUE: March 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 920

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	01/06/21	<2	2	<2	800	0	0	
A-1	Mid depth	01/06/21	30	<10	<10				
A-2	Surface	01/06/21	<2	<2	<2	749	0	0	
A-2	Mid depth	01/06/21	20	<10	<10				
A-3	Surface	01/06/21	<2	<2	<2	754	0	0	
A-3	Mid depth	01/06/21	<10	<10	<10				
A-4	Surface	01/06/21	<2	<2	<2	804	0	0	
A-4	Mid depth	01/06/21	<10	<10	<10				
A-5	Surface	01/06/21	<2	<2	<2	757	0	0	
A-5	Mid depth	01/06/21	<10	<10	<10				
B-1	Surface	01/06/21	<2	<2	<2	742	0	0	
B-1	Mid depth	01/06/21	10	10	<10				
B-2	Surface	01/06/21	<2	<2	<2	808	0	0	
B-2	Mid depth	01/06/21	<10	<10	<10				
N1	Surface	01/06/21	20	2	<2	827	0	0	
N2	Surface	01/06/21	20	10	2	826	0	0	
N3	Surface	01/06/21	24	2	<2	825	0	0	
N4	Surface	01/06/21	26	10	2	823	0	0	
N5	Surface	01/06/21	24	10	<2	822	0	0	
N6	Surface	01/06/21	22	2	<2	821	0	0	
N7	Surface	01/06/21	4	<2	<2	819	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.



**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 reported during this reporting period.							

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

January 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	Fall inches
01/01/21	6.780	8.8	7.3	0.1	3.561	5.2	5.0	<0.1	1.229	6.0	4.2	<0.1	1.433			ND	0.359	0.199	13.470	0.00
01/02/21	6.070	7.2	7.9		3.065				1.540				1.530				0.359	0.205	12.830	0.00
01/03/21	6.360	12.9	9.0		3.520				1.481				1.596	3.0	4.2		0.358	0.200	13.610	0.00
01/04/21	6.690	13.9	9.2	0.1	3.670	6.1	7.0	<0.1	1.101	12.5	7.8	0.1	0.900	6.2	5.8	ND	0.212	0.202	13.970	0.00
01/05/21	6.720	9.0	9.0	<0.1	3.593	5.4	7.0	<0.1	0.599	6.7	5.6	<0.1	0.069	7.6	7.1	ND	0.000	0.205	12.810	0.01
01/06/21	6.560	9.5	9.6	0.2	3.630	5.7	5.0	<0.1	0.739	5.1	4.5	0.2	0.061	10.4	8.6	ND	0.000	0.201	10.790	0.00
01/07/21	6.240	8.7	7.2	0.1	3.500	6.6	5.0	<0.1	0.308	2.4	3.0	<0.1	0.035	9.6	8.8	ND	0.000	0.200	10.290	0.00
01/08/21	6.600	8.7	8.9	0.1	3.363	7.2	6.0	<0.1	0.125	4.4	4.2	<0.1	0.066			ND	0.000	0.205	10.020	0.01
01/09/21	6.210	2.8	5.1		3.389				0.333				0.068				0.000	0.201	9.580	0.00
01/10/21	6.280	8.9	10.8		3.504				0.514				0.086	5.2	4.8		0.000	0.201	9.990	0.00
01/11/21	6.240	12.3	7.0	<0.1	3.235	6.6	7.0	<0.1	0.302	3.8	7.2	<0.1	0.054	3.4	5.1	ND	0.000	0.204	10.720	0.00
01/12/21	6.970	8.9	11.6	<0.1	3.451	6.9	7.0	<0.1	0.019	4.3	8.1	<0.1	0.067	7.8	7.0	ND	0.128	0.201	10.840	0.00
01/13/21	6.800	10.9	8.7	0.1	3.607	7.0	4.0	<0.1	0.144	5.1	3.1	0.1	0.092	11.2	10.4	ND	0.331	0.205	10.770	0.00
01/14/21	6.290	10.6	8.3	0.1	3.260	6.1	5.0	<0.1	0.384	4.7	3.0	0.2	0.087	9.8	9.2	ND	0.328	0.201	10.510	0.00
01/15/21	6.380	9.1	7.9	0.6	2.664	5.5	5.0	<0.1	0.008	3.3	2.1	<0.1	0.101			ND	0.337	0.201	10.110	0.00
01/16/21	6.370	5.5	7.2		3.372				0.000				0.046				0.343	0.201	9.880	0.00
01/17/21	6.310	12.6	9.0		3.527				0.000				0.940	6.8	6.2		0.118	0.205	9.840	0.00
01/18/21	6.330	14.1	15.3	<0.1	3.324	6.7	7.0	<0.1	0.118	2.6	7.6	<0.1	1.542	12.8	11.4	ND	0.226	0.201	10.400	0.00
01/19/21	6.390	8.7	10.4	<0.1	3.088	6.0	7.0	<0.1	0.063	5.3	8.0	<0.1	1.243	7.8	7.2	ND	0.351	0.201	11.930	0.00
01/20/21	6.330	8.0	8.0	0.2	3.264	5.3	4.0	<0.1	0.544	5.6	5.4	0.1	2.246	9.0	8.2	ND	0.197	0.205	10.960	0.00
01/21/21	6.360	9.7	8.3	0.1	2.553	5.1	5.0	<0.1	0.052	2.8	3.2	<0.1	1.621	11.6	10.5	ND	0.352	0.202	12.280	0.00
01/22/21	6.570	8.1	7.2	0.1	3.116	7.2	7.0	<0.1	0.020	4.2	3.2	<0.1	1.578			ND	0.352	0.205	11.500	0.00
01/23/21	6.270	6.3	6.0		3.077				0.884				1.570				0.353	0.201	11.060	0.15
01/24/21	7.120	16.7	15.6		3.671				1.580				1.542	17.4	10.5		0.355	0.200	13.700	0.07
01/25/21	7.280	23.1	16.6	<0.1	3.487	5.2	7.0	<0.1	1.465	8.7	7.2	<0.1	1.483	6.4	5.8	ND	0.353	0.205	13.960	0.00
01/26/21	6.740	18.9	15.2	<0.1	3.647	5.5	7.0	<0.1	1.556	7.2	6.4	0.2	1.521	54.2	24.5	ND	0.355	0.200	13.960	0.00
01/27/21	6.720	8.1	8.2	0.1	3.552	4.9	4.0	<0.1	0.790	5.0	3.4	<0.1	1.506	46.0	21.0	2.3	0.354	0.205	13.870	0.00
01/28/21	6.460	6.5	6.6	0.1	3.402	4.5	4.0	<0.1	2.342	7.1	4.2	<0.1	1.637	13.6	11.8	0.1	0.345	0.178	13.070	0.30
01/29/21	7.970	7.6	6.7	0.1	4.210	9.0	8.0	<0.1	2.052	7.7	3.7	0.7	1.534			ND	0.308	0.185	17.280	0.44
01/30/21	7.240	7.1	5.6		4.125				2.554				1.553				0.249	0.204	15.120	0.01
01/31/21	6.920	7.7	9.2		3.682				2.626				1.564	17.4	10.5		0.187	0.201	15.330	0.00
AVG	6.599	10.0	9.1	<0.1	3.423	6.1	5.9	<0.1	0.822	5.5	5.0	<0.1	0.947	13.2	9.5	ND0.1	0.233	0.201	12.079	
TOTAL	204.570				106.109				25.472				29.371				7.210	6.230	374.450	0.99

REPORT FOR: January 2021
 REPORT DUE: March 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 0920

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Enterococcus	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	01/06/21	847	100	60	24	None	None	None	None	Green	61	Slightly Turbid		
S1	01/06/21	855	100	100	20	None	None	None	None	Green		Slightly Turbid		
S2	01/06/21	805	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB5	01/06/21	756	360	200	360	None	None	None	None	Green		Slightly Turbid		
S3	01/06/21	900	40	60	8	None	None	None	None	Green		Slightly Turbid		
DSB4	01/06/21	902	80	20	10	None	None	None	None	Green		Slightly Turbid		
S5	01/06/21	915	<20	40	4	None	None	None	None	Green	61	Slightly Turbid		
DSB1	01/06/21	908	20	<20	2	None	None	None	None	Green		Slightly Turbid		
SJC1	01/06/21	835	1,100	800	200	None	None	None	None	Green		Slightly Turbid	Flowing	

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

REPORT FOR: January 2021
 REPORT DUE: March 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 0741

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Enterococcus	Material of Sewage		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							
S0	01/12/21	922	40	<20	8	None	None	None	None	Green	59	Turbid		
S1	01/12/21	935	<20	<20	8	None	None	None	None	Green		Turbid		
S2	01/12/21	841	40	20	20	None	None	None	None	Green		Turbid		
DSB5	01/12/21	827	100	<20	120	None	None	None	None	Green		Turbid	Flowing	
S3	01/12/21	940	20	<20	8	None	None	None	None	Green		Turbid		
DSB4	01/12/21	942	<20	<20	2	None	None	None	None	Green		Turbid		
S5	01/12/21	950	40	<20	14	None	None	None	None	Green	59	Turbid		
DSB1	01/12/21	1000	20	<20	26	None	None	None	None	Green		Turbid		
C1	01/12/21	915	<100	<100	<10	None	None	None	None	Green		Turbid	Flowing	

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: January 2021
 REPORT DUE: March 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 0916

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							
S0	01/20/21	0750	<20	<20	<2	None	None	None	None	Green		Turbid		
S1	01/20/21	0800	<20	<20	4	None	None	None	None	Green		Turbid		
S2	01/20/21	0745	20	<20	2	None	None	None	None	Green		Turbid		
DSB5	01/20/21	0740	20	<20	24	None	None	None	None	Green	64	Turbid		
S3	01/20/21	0810	<20	<20	10	None	None	None	None	Green		Turbid		
DSB4	01/20/21	0815	<20	<20	2	None	None	None	None	Green		Turbid		
S5	01/20/21	0825	<20	<20	<2	None	None	None	None	Green		Turbid		
DSB1	01/20/21	0835	20	<20	<2	None	None	None	None	Green		Turbid		
C1	01/20/21	0753	<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.

REPORT FOR: January 2021
 REPORT DUE: March 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 0730

Weather: Partly Cloudy

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Enterococcus	Material of Sewage		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							
S0	01/27/21	915	80	60	10	None	None	None	None	Green		Slightly Turbid		
S1	01/27/21	925	60	60	20	None	None	None	None	Green		Slightly Turbid		
S2	01/27/21	810	100	60	24	None	None	None	None	Brown		Slightly Turbid		
DSB5	01/27/21	750	1,000	100	92	None	None	None	None	Brown	57	Turbid	Flowing	
S3	01/27/21	930	80	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB4	01/27/21	935	<20	<20	10	None	None	None	None	Green		Slightly Turbid		
S5	01/27/21	945	80	<20	10	None	None	None	None	Green		Slightly Turbid		
DSB1	01/27/21	950	60	<20	2	None	None	None	None	Green		Slightly Turbid		
C1	01/27/21	905	<100	<100	100	None	None	None	None	Brown		Turbid	Flowing	

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



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: January 2021

REPORT FREQUENCY: Monthly

REPORT DUE: March 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 920

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	01/06/21	<2	<2	<2	918	0	0	0 - None
A-1	Mid depth	01/06/21	60	30	<10				1 - Mild
A-2	Surface	01/06/21	<2	<2	<2	922	0	0	2 - Moderate
A-2	Mid depth	01/06/21	<10	<10	<10				3 - Severe
A-3	Surface	01/06/21	<2	<2	<2	927	0	0	
A-3	Mid depth	01/06/21	<10	<10	<10				
A-4	Surface	01/06/21	<2	<2	<2	934	0	0	
A-4	Mid depth	01/06/21	<10	<10	<10				
A-5	Surface	01/06/21	10	6	2	930	0	0	
A-5	Mid depth	01/06/21	50	30	<10				
B-1	Surface	01/06/21	<2	<2	<2	914	0	0	
B-1	Mid depth	01/06/21	250	80	50				
B-2	Surface	01/06/21	<2	<2	<2	939	0	0	
B-2	Mid depth	01/06/21	<10	<10	<10				
N1	Surface	01/06/21	<2	<2	<2	906	0	0	
N2	Surface	01/06/21	<2	<2	<2	904	0	0	
N3	Surface	01/06/21	<2	<2	<2	902	0	0	
N4	Surface	01/06/21	<2	<2	<2	858	0	0	
N5	Surface	01/06/21	2	<2	<2	854	0	0	
N6	Surface	01/06/21	4	<2	<2	852	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 reporting 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	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jan 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	954	955	843	917	1,112	1,141	958
Chloride	mg/L	375	237	210	200	300	227	252	238
Sulfate	mg/L	400	254	297	233	240	310	328	300
Sodium	mg/L	None	197	163	153	217	188	185	158
Alkalinity	mg/L	None	-	-	-	-	-	266	211
Adjusted SAR	Ratio	None	4.60	4.85	4.83	5.85	4.28	4.29	4.22
Iron	mg/L	0.3	0.016	0.031	0.123	0.009	0.14	0.472	0.131
Manganese	mg/L	0.05	0.007	0.029	0.037	0.016	0.070	0.108	0.071
MBAS	mg/L	0.5	0.03	0.17	0.16	0.27	ND	0.08	0.10
Boron	mg/L	0.75	0.301	0.340	0.333	0.390	0.39	0.380	0.32
Fluoride	mg/L	None	0.34	0.700	0.56	0.57	0.94	0.86	0.77
Total Organic Carbon	mg/L	None	8.3	11.4	11.6	8.8	3.1	11.8	9.3

*** 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
CSJC 2	Chiquita/SMWD	18.21												18.21
CSJC 3	Non-Domestic Well	0.00												0.00
ETWD	Region 8	53.03												53.03
IRWD														
4	IRWD - 8	66.48												66.48
4	IRWD - 9	23.71												23.71
SCWD	SOCWA CTP	68.702												68.70
MNWD	JRP	151.70												151.70
	3-A Plant	59.99												59.99
5	CTP	29.42												29.42
SMWD	Oso Creek	148.61												148.61
	Chiquita	438.61												438.61
	Nichols	1.61												1.61
TCWD	RRWRP	50.41												50.41
TOTALS		1,110.5												1,110.47

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

Pretreatment Report

Agenda Item

4E

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

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

Summary of Program Activities

SOCWA adopted Pretreatment Ordinance 2020-1 on October 1, 2020. Member agencies (MAs) continue the process of amending their pretreatment ordinances. ETWD, SMWD, MNWD and IRWD have all adopted the new changes. Red line marked versions of each MA ordinance have been provided to MA Staff. MA Staff should reach out with any questions or concerns.

The Annual Pretreatment Report including influent and effluent data for all nine treatment plants (JBL, CTP, RTP, MNWD (3A), SMWD (Chiquita and Oso), CSC, IRWD and ETWD) and narrative was submitted electronically to the RWQCB-SD by the due date of March 1, 2021. A copy of the complete report was distributed to MA Staff by email.

Staff continues to utilize the CA Manufacturers Directory, submitted will serve notices, and business licensing data to identify industrial users (IUs) and update each member agency (MA) industrial waste survey (IWS) spreadsheet.

SOCWA Staff worked with Fuscoe Engineering to complete Stormwater Compliance Reports for RTP and CTP to show that each plant can infiltrate and/or retain the volume of stormwater runoff up to the 85th percentile 24-hour precipitation event based on local, historical precipitation data. SDRWQCB Staff reviewed both reports, inspected each plant site, and verbally approved both Reports. The Compliance Reports are an alternative to reduce enforcement should sampling of off-site stormwater runoff exceed permit action levels. SOCWA Staff uploaded O&M Plans to the State Stormwater database on February 23, 2021 and expects to receive written State approval.

Permit Related Activities

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

SMWD/MNWD – SWD Permit No. SOCWA-4-005 –Lake Mission Viejo Advanced Purified Water Treatment Facility (APWTF) – Staff received a renewal permit application on January 13, 2021 and issued a renewal permit on February 18, 2021.

Trainings and Committee Meetings Attended

SOCWA Staff continues to attend virtual monthly OC Strike Force Meetings.

Summary of IWS Activities in the SOCWA Service Area - YTD through February 22, 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)	3	10	35	18	181	1295	58	0	0	1597
CSJC (S)	1	3	27	59	137	1666	38	0	1	1930
ETWD (M)	0	3	87	0	262	132	84	0	0	568
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	2	4	51	21	63	937	24	0		1100
MNWD (S)	10	4	123	39	628	2088	200	0	0	3082
SMWD (S)	11	6	19	20	204	787	79	2	0	1115
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	27	61	378	169	1631	7230	535	2	1	9979

(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

4F

Board of Directors Meeting

Meeting Date: March 4, 2021

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

COVID-19 UPDATE:

Currently, all SOCWA Capital Projects are moving forward as planned. We have moved all progress meetings to conference calls and are using electronic communications as much as possible to limit contact with contractors. We are requiring the contractors to practice social distancing and to limit their contact with plant staff.

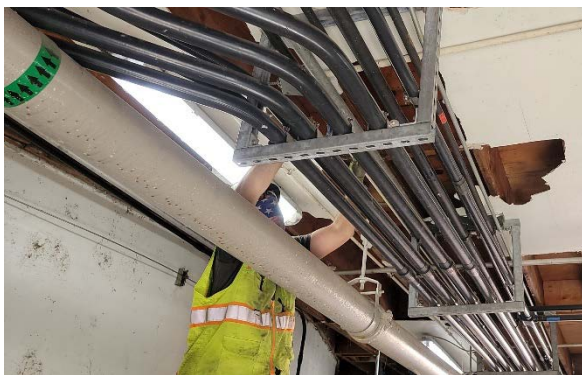
The status of the SOCWA Capital Improvement Program is presented in the tables on the following pages.

Below are photos of the five 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:

Digester Control Building Roof Repair (left) and DAF pump piping (right)



///

San Juan Creek Ocean Outfall Junction Structure Rehabilitation

Insertion of duplex stainless steel sleeve to reinforce structure:

Section of Junction Structure top cut and removed to allow entry (left). A diver prepares to enter the structure (right).



A piece of the sleeve being lowered into the structure (left). New saddle installed on the 57-inch outfall line in the metering vault (right).



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:

Grit channel repair and bypass.



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:

Staff receiving training on potential cultural and paleontological items that may be found in Aliso Canyon.



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Hydrostaically testing the existng but never used 6-inch line from Alicia Parkway to just outside of the Regional Treatment Plant.



Regional Treatment Plant Miscellaneous Improvments 2018

Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof.

New polymer tanks installed in the DAFT polymer room



**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS**

	Quarter	Fiscal Year 20/21				Fiscal Year 21/22			
		1st	2nd	3rd	4th	1st	2nd	3rd	4th
3220; 3231; 3287	Package B (Plant 1 Basin Repairs, DAF Rehabilitation, Energy Building seismic retrofit and minor rehabilitation, Digester 4 rehabilitation)	C	C	C	C	C	C		
3350	MCC "M" Replacement Design	D	D	D					
3221	Electrical System Evaluation	P	P	P					
3353	Centrate System Design	D	D	D					
4201	Plant 1 Blower Building Condition Assessment	CA	CA	CA	CA				
4204	Electrical Manhole Condition Assessment	CA	CA						
4203	Plant Hydraulic Model and Flow Management Plan	P	P	P					
3234	Centrate Piping Reconstruction				B&A	C	C		
3235; 3227	Package D Design					D	D	D	
3285	Main Plant Drain Line Reconstruction					B&A	C	C	
42211	Influent Flow Metering Evaluation			P	P				
42212	Plant 1 Grit Handling Evaluation			P	P				
42213	Chlorine Contact Basin/Effluent Pump Station Condition Assessment			CA	CA				
42214	Dana Point Influent Sewer Condition Assessment			CA	CA				
42215	Plant 1 Influent Sewer Condition Assessment			CA	CA				
42216	Plant 1 Bypass Sewer Condition Assessment			CA	CA				
4211	Site Storage Evaluation			P	P				
3229	Drainage Pump Station Reconstruction				B&A	C	C		
4212	Buried Utility Master Plan			P	P				
4213	Electrical Conduit and Cable Master Plan			P	P				

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

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS**

		Fiscal Year 20/21				Fiscal Year 21/22			
		Quarter	1st	2nd	3rd	4th	1st	2nd	3rd
3525	Personnel Building Reconstruction			B&A	C	C			
3539	Facility Improvements Construction (Basin and Electrical rehabilitation)	C	C	C	C	C			
3541	Export Sludge System Reconstruction		B&A	C	C	C	C		
3553	Plant Drainage Improvements			B&A	C	C			
4501	Electrical Manhole/Cable Assessment			CA	CA				
4502	Building Roof Condition Assessment			CA	CA				
3542	South Section Embankment Protection	ENV	ENV	ENV	ENV				
45221	Foul Air System Condition Assessment			CA					
45211	Plant Reconfiguration Feasibility Study	P	P	P	P				
35222	Aeration Upgrade Construction				D	B&A	C	C	C
35223	Chlorine Contact Basin Gates			D	B&A	C			
35221	Auxiliary and Maintenance Building Roofs				B&A	C	C		
3543	Export Sludge Pipeline Replacement at RTP				B&A	C	C		
45222	Spatial Utilization Analysis			P	P				

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

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS**

		Fiscal Year 20/21				Fiscal Year 21/22			
		1st	2nd	3rd	4th	1st	2nd	3rd	4th
3701; 3769; 3751	Miscellaneous Improvement 2018 (Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy	C	C	C					
3753	Aeration Diffuser Upgrade		B&A	C	C				
3742	Aeration System Upgrades (blowers, gates, & controls)			D	D	B&A	C	C	C
3757	Miscellaneous Safety Imps - Liquids					B&A	C	C	C
3776	Effluent Pond Gate Replacement					B&A	C	C	C
3758	AWT No. 2 Reconstruction					B&A	C	C	C
3759	AWT No. 2 Electrical Upgrades					B&A	C	C	C
3766	AWT Hypochlorite Tanks Shade					B&A	C	C	
3773	Cogeneration System Modifications		D	B&A	C	C			
4704	Evaluate Plant and Storm Water Drainage System	P	P						
4703	Laboratory Reconstruction Evaluation		P	P					

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

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS CONTINUED**

		Fiscal Year 20/21				Fiscal Year 21/22			
Quarter		1st	2nd	3rd	4th	1st	2nd	3rd	4th
17087	Odor Control Chemical Tank					C			
17088	Primary Sedimentation Condition Assessment					CA			
37001; 37002; 3779	MCC A, C, G, H Replacement						B&A	C	C
37002	West Slope Protection			B&A	C	C			
37003	Admin Building Door & Window Repair			B&A	C				
3775	Aeration Basin Handrail Upgrade						B&A	C	C
3776	Effluent Pond Gate Replacement					B&A	C	C	
3777; 3778	Site Lighting Upgrade			B&A	C	C			
4701	Interstage Pump Station Condition Assessment						CA		
4702	Site Storage Evaluation							P	P
37223S	Flare Replacement Project							P	P

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

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
(‘20/21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECT LIQUIDS			
3220-000	Package B Liquids (Plant 1 Basin repairs, DAF rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
4201-000	Plant 1 Blower Building Condition Assessment	Study	The contract was awarded at the September 5, 2019 SOCWA Board Meeting.
4203-000	Plant Hydraulic Model and Flow Management Plan	Study	The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
3350-000	Motor Control Center 'M' Replacement (2019)	Design	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
CAPITAL IMPROVEMENT PROJECT COMMON			
3231-000	Package B Common (Energy Building seismic retrofit and minor rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3221-000	Electrical System Evaluation	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.
4001-000	Plant Drain System Study (2017) (NCP)	Study	TetraTech is proceeding with the mapping of the drain system.
4204-000	Electrical Manhole Condition Assessment	Study	This project is part of the JBL Electrical System Evaluation project. The contract was awarded at the October 3, 2019 SOCWA Board Meeting.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
 PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
 ('19/'20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECT SOLIDS			
3287-000	Package B Solids (Digester 4 rehabilitation)	Construction	The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting.
3353-000	Centrate System Design (2019)	Design	The contract was awarded at the October 3, 2019 SOCWA Board Meeting.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
 PROJECT COMMITTEE NO. 5 - SAN JUAN CREEK OCEAN OUTFALL CAPITAL PROJECTS
 ('20/'21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECTS			
3650-000	Junction Structure Reinforcement Permitting and Final Design	Design	Phase II contract ammendment for Filanc was approved by the Board in November 2020. Construction in the Junction Structure began in Janaury 2021.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(20/21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECTS LIQUIDS			
3539-000	Facility Improvements (Basin and Electrical Rehabilitation)	Construction	The construction contract for Facility Improvements Project was awarded at the June 6, 2019 SOCWA Board meeting. Task 3595-000 has been combined into this one Task Code.
3534-000	Export Sludge System (1997)	Design	The contract for construction was approved in December 2020 by the Board of Directors. Preliminary construction work will begin in January 2021.
3525-000	Personnel Building Reconstruction (2019)	Bid	Project delayed due to COVID-19, now scheduled to begin in December 2020.
3528-000	AWMA Road Sites West 1 and 2 Embankment Protection (2019)	Design	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3529-000	Aliso Creek Long Term Repair Planning (2019)	Planning	The engineering services contracts were awarded to Tetra Tech and Dudek at the August 8, 2019 SOCWA Board meeting.
3553-000	Plant Drainage Improvements (2017)	Design	TetraTech has completed design. Project expected to advertise for bid in March 2021.
4501-000	Electrical Manhole/Cable Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in March 2021.
4502-000	Building Roof Condition Assessment	Study	Project delayed due to COVID-19, now scheduled to begin in March 2021.
CAPITAL IMPROVEMENT PROJECT AWT			
3536-000	Chlorine Contact Basin Mixer Construction (AWT) (2019)	Construction	Installation of clearwell pump valves was completed in August 2019. Pilot valve panel was installed in November 2020. This project is now complete.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(‘20/’21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECT LIQUIDS			
3701-000	Miscellaneous Improvements 2018 (Secondary electrical upgrades and Primary Gallery rehabilitation)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Tasks 3702-000, 3730-000, 3784-000, 3785-000, and 3786-000 have been combined into this one Task Code.
3752-000	AWT No.2 Upgrade Design (2017)	Hold	The design by Carollo is completed. MNWD has requested that this project be delayed pending studies and further evaluation by MNWD.
3758-000	AWT No.2 Upgrade Construction	Hold	A small portion of this project will be completed this year to maintain operation of the AWT
3759-000	AWT No.2 Electrical Upgrades	Hold	A small portion of this project will be completed this year to maintain operation of the AWT
3741-000	Southwest Influent Sewer and Manhole Design (2019)	Hold	The draft RFP for this item will be presented to the Engineering Committee after completion of the Moulton Niguel Water District design.
4008-000	Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP)	Hold	This condition assessment will be completed with the AWT No. 2 project.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(‘19/’20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECT COMMON			
3769-000	Trailer Drain Line	Construction	This is the common portion of the Miscellaneous Improvement 2018 project. The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting.
3744-000	Administration Building Repair Design (2019)	Design	This project has been awarded to Tetra Tech.
3745-000	West Slope Protection Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3746-000	Motor Control Center A, G, H Design (2019)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting.
3747-000	Southside Plant Flooding Evaluation (2019)	Study	This project has been awarded to Tetra Tech.
3740-000	SE Electrical Manhole Reconstruction (2018)	Design	The SOCWA Board approved the award of contract to Lee & Ro at the March 7, 2019, SOCWA Board Meeting.
4703-000	Laboratory Reconstruction Evaluation	Study	Project is delayed due to COVID-19 and is scheduled to begin in Spring 2021.
4704-000	Evaluate Plant and Storm Water Drainage System	Study	This project has been awarded to Tetra Tech.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(‘19/’20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECT SOLIDS			
3751-000	Miscellaneous Improvements 2018 (Installation of access walkway and Energy Building roof)	Construction	The construction contract was awarded to Filanc at the May 16, 2019 SOCWA Board meeting. Task 3790-000 has been combined into this one Task Code.
3749-000	Phase I Solids Piping Upgrade (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Spring 2021.
3750-000	Dewatering Room Floor Sealing and Lighting (2019)	Design	Harper & Associates has been retained to provide a specification for the floor sealing.
3754-000	SET Piping Reconstruction (2019)	Construction	This project has been delayed due to COVID-19 and is expected to advertise for bid in Spring 2021.
3790-000	Solids Area Upgrade Design (2018)	Design	Lee & Ro is working on the design for the modifications to the digester gas piping.
3772-000	Hot Water Piping Reconstruction	Design	Carollo has completed the initial design for upgrading the Hot Water Piping.
3773-000	Cogeneration System Modifications	Design	A review is being conducted to identify the needed elements for this project.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 21 - EFFLUENT TRANSMISSION MAIN CAPITAL PROJECTS
('20/'21)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECTS			
3105-000	Air Vacuum Release Valve Replacement Reach D Design and Permitting	Design	The contract for design was awarded to Tetra Tech by the Board of Directors in November 2020.
3106-000	Air Vacuum Release Valve Replacement Reach E Design and Permitting	Design	The contract for design was awarded to Tetra Tech by the Board of Directors in November 2020.
3101-000	Trail Bridge Creek Crossing Protection (Reach D) Design and Permitting	Design	Tetra Tech has submitted a set of design drawings for SOCWA review.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 24 - ALISO CREEK OCEAN OUTFALL CAPITAL PROJECTS
('19/'20)**

<i>Task Code</i>	<i>Description</i>	<i>Phase</i>	<i>Status</i>
CAPITAL IMPROVEMENT PROJECTS			
3480-000	Internal Seal Replacement (2018)	Design	A purchase order has been issued to Black & Veatch to provide design documents. The project is expected to advertise for bidding in April 2021.

Agenda Item

4G

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: PC-2, PC-5, 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, 5, 15, & 17]

Summary/Discussion

The attached CIP Report shows the financial status of the five major construction projects as well as any potential and Engineering Committee reviewed change orders. Please note that there are no new change orders.

As a reminder, change orders within the General Manager's purchasing authority (less than \$50,000) and within the project contingency will be presented in this report to the Engineering Committee and then to the Board of Directors. This is in accordance with the current purchasing policy, the change order procedure update provided to Engineering Committee in November 2019, and the contingencies approved by the Board in December 2019.

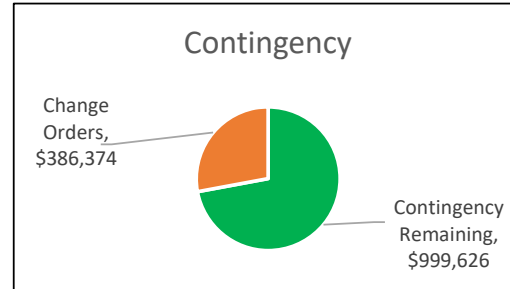
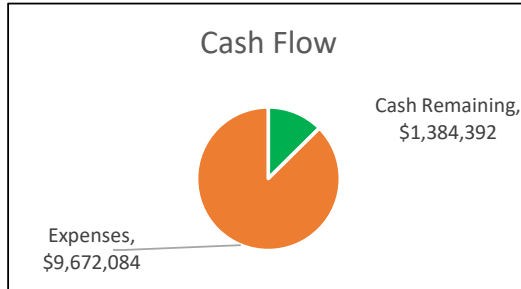
Recommended Action: Information Item; no action required.

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

February 23, 2021



Cash Flow

Collected	\$11,056,476
Expenses	\$9,672,084

Project

Completion

Schedule	63%
Budget	44%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 386,374	\$ 17,711,374	\$ 7,107,332
Butier	13647	\$ 1,055,325	\$ -	\$ 1,055,325	\$ 786,373
Carollo	13616	\$ 846,528	\$ -	\$ 846,528	\$ 686,755
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$ 81,837
		\$ 19,320,853	\$ 386,374	\$ 19,707,227	\$8,662,297

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 73,170	\$ 543,630	11.9%
Common	3231-000	\$ 96,800	\$ -	\$ 96,800	0.0%
Solids	3287-000	\$ 672,400	\$ 313,204	\$ 359,196	46.6%
		\$ 1,386,000	\$ 386,374	\$ 999,626	27.9%

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
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

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
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		\$ 34,800
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
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 007	Olsson	3287-000	Relocation of MCC-F1	Potential Change	(blank)	\$40,000	
PCO 008	Olsson	3287-000	Conduit Routing Conflict from MCC-F1	Potential Change	(blank)	\$15,000	

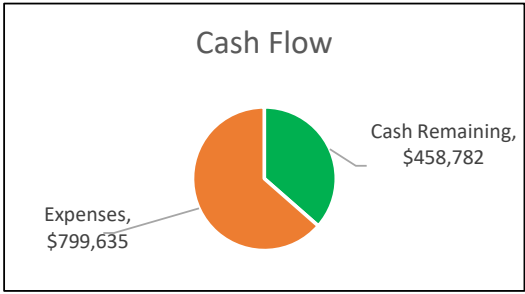
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 009	Olsson	3287-000	PLC East Headworks Integration	Potential Change	(blank)	\$5,000	
PCO 012	Olsson	3287-000	PCL-CG Integration	Potential Change	(blank)	\$5,000	
PCO 014	Olsson	3287-000	Digester 4 Compressor Supply Line	Potential Change	(blank)	\$18,146	
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)	\$5,000	
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	Diversions Structure Gate Actuator Power Feed Replacement	Potential Change	8/13/2020	\$5,000	
PCO 049	Olsson	3287-000	MCC-D1 Modifications due to Change in Motor Size	Potential Change	12/2/2020	\$20,000	
PCO 050	Olsson	3220-000	Telescoping Valves Rework	Potential Change	12/23/2020	\$30,000	
Grand Total						\$245,448	\$ 386,374

Project Financial Status

Project Committee	5
Project Name	San Juan Creek Ocean Outfall Junction Structure Rehabilitation
Project Description	Insertion of duplex stainless steel sleeve to reinforce Junction Structure on Doheny Beach

Data Last Updated

February 23, 2021



No Contingency

Cash Flow

Collected	\$1,258,417
Expenses	\$799,635

Project

Completion

Schedule	73%
Budget	56%

Contracts

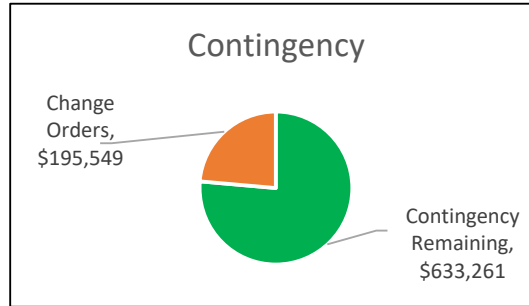
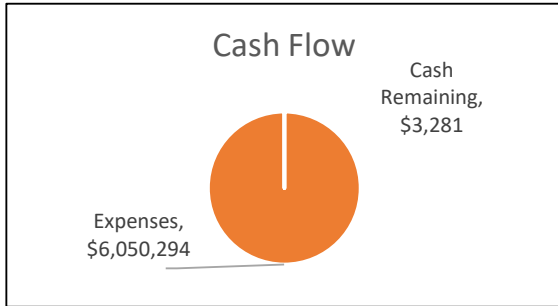
Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15575	\$ 1,041,572	\$ -	\$ 1,041,572	\$ 582,525
Black & Veatch	13880	\$ 169,366	\$ -	\$ 169,366	\$ 145,364
Dudek	15948	\$ 89,668	\$ -	\$ 89,668	\$ -
		\$ 1,300,606	\$ -	\$ 1,300,606	\$727,889

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

February 23, 2021



Cash Flow

Collected	\$6,053,575
Expenses	\$6,050,294

Project Completion

Schedule	85%
Budget	54%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ 195,549	\$ 9,404,549	\$ 4,961,581
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$ 597,288
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$ 244,829
		\$ 10,511,772	\$ 195,549	\$ 10,707,321	\$5,803,697

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 195,549	\$ 633,261	23.6%
		\$ 828,810	\$ 195,549	\$ 633,261	23.6%

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)
PCO 006	PCL	3539-000	Additional Pothole Paving	Potential Change	(blank)	\$5,000	
PCO 013	PCL	3539-000	Ferric Containment Foundation	Potential Change	(blank)	\$15,000	
PCO 015	PCL	3539-000	RAS Channel Modification Desclope	Potential Change	(blank)	-\$2,000	
PCO 016	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)	\$1,500	
PCO 019	PCL	3539-000	Switchgear Building Concrete Repair	Potential Change	(blank)	\$30,000	
PCO 024	PCL	3539-000	Drainage Pump Station Desclope	Potential Change	(blank)	-\$400,000	
PCO 025	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Potential Change	(blank)	\$13,815	

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
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 030	PCL	3539-000	Basin Leaking Crack Repair	Potential Change	(blank)	\$5,000	
PCO 031	PCL	3539-000	Roll Up Door Fascia	Potential Change	(blank)	\$3,000	
PCO 035	PCL	3539-000	Grit Chamber Conflicts	Potential Change	(blank)	\$20,000	
PCO 037	PCL	3539-000	Additional Spall Repair - Grit Channels	Potential Change	(blank)	\$25,000	
PCO 038	PCL	3539-000	Aeration Channel Conflicts	Potential Change	(blank)	\$8,000	
PCO 040	PCL	3539-000	Helical Skimmer Wiring	Potential Change	(blank)	\$2,000	
PCO 042	PCL	3539-000	Mixed Liquor Channel Remobilization	Potential Change	(blank)	\$15,000	
PCO 043	PCL	3539-000	Building 10 Roof Repairs	Potential Change	(blank)	\$10,000	
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	

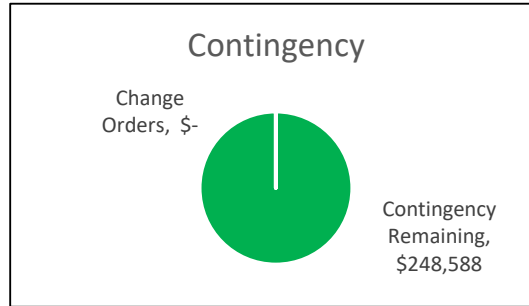
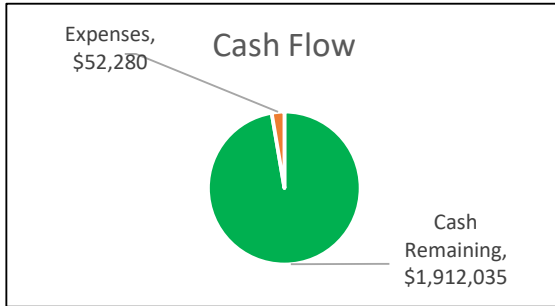
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 048	PCL	3539-000	West Secondary Effluent Channel Concrete Repair	Potential Change	(blank)	\$20,000	
PCO 049	PCL	3539-000	Removal of Scope - West Basin Sludge/Scum Collection Equipment	Potential Change	(blank)	-\$300,000	
PCO 050	PCL	3539-000	RAS Box Leaks	Potential Change	(blank)	\$0	
PCO 051	PCL	3539-000	Grit Grating Modifications	Potential Change	(blank)	\$0	
Grand Total						-\$461,685	\$195,549

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

February 23, 2021



Cash Flow

Collected	\$1,964,315
Expenses	\$52,280

Project Completion

Schedule	15%
Budget	1%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	15949	\$ 3,107,346	\$ -	\$ 3,107,346	\$ 50,000
Butier	13647	\$ 226,100	\$ -	\$ 226,100	\$ -
PSOMAS	15961	\$ 277,368	\$ -	\$ 277,368	\$ -
Dudek	15947	\$ 387,750	\$ -	\$ 387,750	\$ -
		\$ 3,998,564	\$ -	\$ 3,998,564	\$50,000

Contingency

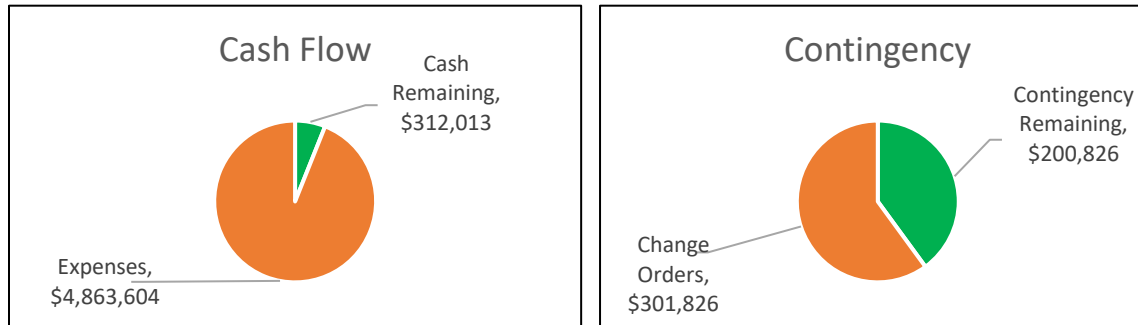
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3541-000	\$ 248,588	\$ -	\$ 248,588	0.0%
		\$ 248,588	\$ -	\$ 248,588	0.0%

Project Financial Status

Data Last Updated

Project Committee	17
Project Name	Miscellaneous Improvements 2018
Project Description	Secondary electrical upgrades and Primary Gallery rehabilitation, installation of access walkway and Energy Building roof

February 23, 2021



Cash Flow

Collected	\$5,175,617
Expenses	\$4,863,604

Project Completion

Schedule	96%
Budget	91%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	\$ 4,181,205	\$ 241,166	\$ 4,422,371	\$ 4,032,349
Dudek	14164	\$ 137,625	\$ 60,660	\$ 198,285	\$ 162,426
Lee & Ro	14006	\$ 123,310	\$ -	\$ 123,310	\$ 123,213
		\$ 4,442,140	\$ 301,826	\$ 4,743,966	\$ 4,317,987

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	\$ 343,593	\$ 274,058	\$ 69,535	79.8%
Common	3769-000	\$ 4,545	\$ -	\$ 4,545	0.0%
Solids	3751-000	\$ 154,514	\$ 27,768	\$ 126,746	18.0%
		\$ 502,652	\$ 301,826	\$ 200,826	60.0%

Change Orders

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
1	Filanc	3701-000	Additional Conduit Support around Admin Building	Approved by Board of Directors	8/6/2020		\$32,929.28
2	Filanc	3701-000	Primary Deck Conduit Supports	Approved by Board of Directors	8/6/2020		\$ 9,611.12
3	Filanc	3701-000	Electrical Manhole 2 collar concrete/pavement repair	Approved by Board of Directors	8/6/2020		\$ 2,986.60
4	Filanc	3701-000	Primary Gallery Concrete Deck Repair	Approved by Board of Directors	8/6/2020		\$ 6,363.00
5	Filanc	3701-000	VFD Cabinet change from 316 to 304 Stainless Steel	Approved by Board of Directors	8/6/2020		\$ (2,100.00)
6	Filanc	3701-000	Duct bank Vault size change to accommodate existing utilities and sump	Approved by Board of Directors	8/6/2020		\$ 37,690
7	Filanc	3751-000	Energy Building Roof Steel Beam Anchor Embedment	Approved by Board of Directors	8/6/2020		\$10,280.90
8	Filanc	3701-000	Polymer VFD Improvements	Approved by Board of Directors	10/1/2020		\$ 15,549
9	Filanc	3751-000	Repair/improve floor grating in equipment to meet safety standards	Approved by Board of Directors	10/1/2020		\$ 1,843

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
10	Filanc	3751-000	Additional roofing materials required to level surface	Approved by Board of Directors	10/1/2020		\$ 4,465
11	Filanc	3701-000	Additional backfill material for MH-1	Approved by Board of Directors	10/1/2020		\$ 2,939
12	Filanc	3701-000	Admin Bldg. roof drain rerouting	Approved by Board of Directors	10/1/2020		\$ 966
13	Filanc	3751-000	Additional angle steel needed to support new roof	Approved by Board of Directors	10/1/2020		\$ 1,069
14	Filanc	3701-000	Rebate work on Primary Gallery Deck to resolve potential safety issue	Approved by Board of Directors	10/1/2020		\$ 4,736
15	Filanc	3701-000	Replace installation of fan with louver	Approved by Board of Directors	2/4/2021		\$ (647)
16	Filanc	3701-000	New wire pulled for Sed Basins 5 & 6 flow meters	Approved by Board of Directors	2/4/2021		\$ 1,056
17	Filanc	3701-000	New lighting, outlet, and circuit for scum and sample pumps	Approved by Board of Directors	2/4/2021		\$ 24,000

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
18	Filanc	3701-000	Update instrumentation including 13 new pressure indicators, remove unneeded stations, various epoxy and concrete repair.	Approved by Board of Directors	2/4/2021		\$ 41,094
19	Filanc	3701-000	Modify hardware, PLC logic, and HMI for a polymer alternate water use.	Approved by Board of Directors	2/4/2021		\$ 15,858
20	Filanc	3701-000	Add new DAF flow meters including additional piping and conduit	Approved by Board of Directors	2/4/2021		\$ 30,477
Grand Total							\$ 241,166

Agenda Item

5A

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: JB Latham Treatment Plant Digester 4 Internal Coating
[Project Committee 2]

Overview

The Package B Project at the JB Latham Treatment Plant contains upgrades to Digester 4 including rehabilitation of the steel dome (blasting and recoating the internal dome structure), upgraded heat exchanger, improved hot water system piping and controls, and other external modifications to the digester. Other work is planned for the other three digesters as part of the Package B Project, but Digester 4 must be available for use prior to work on the other digesters to maintain sludge storage and treatment capacity. Internal coating of the Digester 4 concrete structure was not included with the Package B Project as it was previously deemed to be in good condition.

During a recent water test in Digester 4, leaking was noted around a large portion of the digester (see photos below). An attempt was made to stop the leaks with crack injection technology, but the leaking has continued. It is now recommended that the internal concrete structure of the digester be cleaned and coated.

SOCWA Staff received two quotes to complete the work which are presented below. The work description and proposals have been provided to the PC 2 Engineering Committee members for their review as well.

Photos showing Digester 4 leaking water:



Proposals

SOCWA requested proposals from the following firms:

Simpson Sandblasting & Special Coatings, Inc.
Murphy Industrial Coatings, Inc.

Table 1 – Summary of Proposals

Firm	Simpson	Murphy
Total Cost	\$122,150	\$118,895

Cost Allocation

Table 2 – Cost allocation by member agency for the Murphy proposal

Agency	Digester 4 Internal Coating
	3287-000
CSJC	\$ 35,669
MNWD	\$ 25,707
SCWD	\$ 23,779
SMWD	\$ 33,740
Total	\$118,895

Project 3287-000 is the solids portion of Package B and no additional budget will need to be allocated to the project for this cost.

Recommended Action: Staff recommends to the PC 2 Board to award the contract to Murphy Industrial Coatings, Inc. in the amount of \$118,895 for the internal coating on the JB Latham Treatment Plant Digester 4.

Agenda Item

5B

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: Regional Treatment Plant Aeration Diffuser Upgrade Project Construction Bids [Project Committee 17]

Overview

The project will replace the existing no longer supported Parkson Panels in each of the six aeration basins with high efficiency EDI 9-Inch Disc Diffusers. The aeration header will also be modified to allow for four-zone manual control.

Bids

The following contractors were invited to bid on the Regional Treatment Plant Aeration Diffuser Upgrade Project:

Gateway Pacific
JF Shea
JR Filanc
Pascal & Ludwig
SS Mechanical

Filanc, Pascal & Ludwig, and SS Mechanical attended the pre-bid meeting on January 13, 2021 and bids were received from all three construction firms in attendance. The bid advertisement, Q&A, and submittals were all managed online using PlanetBids.

Table 1 below summarizes the bids and Exhibit A shows a detailed table of the bids. The apparent low bidder being Filanc with a total estimated cost of \$1,747,194.

The Engineer's Estimate for the project is \$1,780,000.

Table 1 – Bid Results

Construction Firm	Bid Result
JR Filanc	\$1,747,194
Pascal and Ludwig	\$2,206,000
SS Mechanical	\$1,768,070

An initial review of the bids and has found that the low bid is fair and reasonable.

Cost Allocation

Table 2 – Cost allocation by member agency

Agency	Filanc Construction Bid
	3753-000
MNWD	\$ 1,747,194
Total	\$ 1,747,194

Table 3 – Available budget ¹

3753-000
\$2,076,399

Notes:

1. includes budget from upcoming FY21/22

Project 3753-000 is partially funded with \$226,399 already collected.

Table 4 – Expected Project Costs

Project Element	Cost	Contingency (12%)	Total
Construction	\$1,747,194	\$ 209,663	\$1,956,857
EDSC	\$ 37,738		\$ 37,738
Total	\$1,784,932	\$ 209,663	\$1,994,595

Recommended Action: Engineering Committee recommends to the PC 17 Board to award the construction contract to JR Filanc in the amount of \$1,7747,194 with a contingency of \$209,663 for the construction of the RTP Aeration Diffuser Project.

Agenda Item

6A

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF: Amber Baylor, Director of Environmental Compliance

SUBJECT: Highlights Report for Southern California Alliance of POTWs

Summary

SOCWA is a member of the Southern California Alliance of POTWs, and SOCWA staff participates in SCAP both on its board represented by Jim Burror, Director of Operations, and via a number of committees, represented by Amber Baylor, Director of Environmental Compliance. Staff has invited Executive Director of SCAP, Steve Jepsen to provide an overview of the SCAP Highlights shared with the Board in the February 2021 General Manager's report. This is an opportunity to learn about the support received for the industry organizations in our region from SCAP as well as ask questions regarding the detailed regulatory initiatives SCAP assists in responding to at the regional and state level.

Recommended Action: Verbal report from Steve Jepsen and Board questions and comments.

Agenda Item

6B

Board of Directors Meeting

Meeting Date: March 4, 2021

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: SOCWA Staff Winter Newsletter

Summary

Staff prepared and distributed to staff and board members the attached Winter Newsletter. The Newsletter highlights accomplishments of SOCWA staff and achievement of GFOA recognition for SOCWA financial reporting. The General Manager noted in the February GM report that the Newsletter could be shared with SOCWA Member Agency Elected Officials and interested regional stakeholders. The Board requested to discuss possible distribution at the March Board meeting. The Newsletter is attached.

Recommended Action: Board discussion.

A Note of Thanks from SOCWA's General Manager

2020 is a year we won't soon forget.

But as I tell my staff, we must focus on the mission ahead of us, even in the face of extraordinary adversity. In 2020, the SOCWA team stepped up in a major way to carry out our mission of protecting public health and the environment.

- **Fiscal Strength & Transparency:** SOCWA was awarded the Certificate of Achievement in Excellence from the Government Finance Officers Association of the United States and Canada (GFOA). It is the non-profit's highest honor for financial reporting.
- **Infrastructure Development:** Work began on millions of dollars of vital projects to renew and modernize key treatment facilities that protect oceans, canyons and creeks.
- **Water Production:** SOCWA's facilities produced 4,222 acre-feet of recycled water for member agencies and their irrigation needs through the month of October 2020. That's enough to save 1.3 *billion* gallons of domestic drinking water supplies.
- **COVID Studies:** SOCWA participated in national studies that examined the connection between wastewater and COVID in local communities. These studies help determine virus prevalence in the absence of widespread testing.

Most of all, I am proud of our staff. Wastewater treatment does not rest. It is an essential, 24/7/365 operation. Our crews continue to do an extraordinary job while facing numerous, and often simultaneous, crises.

The coming year brings hope. In January 2021, SOCWA celebrates its 20th anniversary, and as we prepare to enter our third decade of service to South Orange County, we're eager to bring forward vital new infrastructure projects and continue to be of value to the region.

We wish you all the joy of renewal in this New Year. Please feel free to contact me at bburnett@socwa.com or (949) 234-5420.

Sincerely,

Betty Burnett
General Manager, SOCWA

LEADERSHIP @ SOCWA

Erdman, Collings Selected as SOCWA Board Leadership

At its October 2020 meeting, the SOCWA Board of Directors unanimously selected Dennis Erdman as its Chair and Matt Collings Vice Chair for the 2021 year.

Director Erdman previously served as Vice Chair and is an elected board member at the South Coast Water District.

Director Collings serves as the Assistant General Manager at Moulton Niguel Water District and has served on the SOCWA board for the past several years.

Congratulations to both directors Erdman and Collings.

SOCWA Recognized for Financial Reporting, Transparency Excellence



The Government Finance Officers Association of the United States and Canada (GFOA) has awarded the Certificate of Achievement for Excellence in Financial Reporting to SOCWA for its comprehensive annual financial report (CAFR) for the fiscal year ended June 30, 2019.

It is the non-profit's highest honor for financial transparency and full disclosure. [Continue reading here.](#)

OPERATIONS SPOTLIGHT

SOCWA Saves Energy to Help Local Homes, Businesses



As temps soared this past fall, SOCWA's forward-thinking energy plans helped save enough power to run about 3,000 local homes.

The wastewater agency's cogeneration engines helped maintain grid stability during the

extreme heat waves. These sustainable energy engines, installed in 2018, use a natural gas byproduct of the wastewater treatment process instead of traditional power. When in use, the cogeneration engines save between 1.0-1.5 megawatts of energy each day - enough to power up to 1,500 homes.

During extreme heat, SOCWA also collaborated with utilities and regulators to run standby generators to power its facilities, preserving energy to keep the lights on for an additional 1,500 homes.

The collective effort helped local utilities ensure homes and businesses had necessary power and avoid rolling blackouts.

"I cannot emphasize how much your efforts to curtail energy kept the grid operating throughout the day," said SDG&E Representative Christopher Nanson. "Because of the support from our region's industrial and large commercial customers, we would not have been as successful in curtailing the load and keeping the lights on and the air conditioners running."

COVID-19 UPDATE

SOCWA Participates in COVID-19 Research



As a leader in research and collaboration, SOCWA has engaged in multiple partnerships to provide science and data regarding SARS-COV-2 (COVID-19) that is found in wastewater.

SOCWA's environmental team collaborated with UCLA to detect prevalence of the virus in the region during the summer of 2020. A second study is being conducted with South Coast Water District (SCWD) and the Orange County Health Care Agency (OCHCA) to study (and potentially catch) outbreaks at sewer gathering points before symptoms manifest in the community. Early in 2020, SOCWA also partnered with MIT as part of a nationwide study on how wastewater can be a useful source of monitoring the virus in local communities.

According to the CDC, wastewater can be an early indicator of community spread. SOCWA is doing its part to provide data, science and leadership around this important issue.

LOSS TO THE COMMUNITY

Director Ray Miller Passes in 2020

It is with great sadness that SOCWA acknowledges the loss of longtime SOCWA Director Ray Miller. Mr. Miller was an integral part of the water and wastewater community and dedicated his career to many organizations including SOCWA. Mr. Miller was a General Manager at South Coast Water District, Board Member of the California Association of Sanitation Agencies (CASA), Founder of the Southern California Alliance of Publicly Owned Treatment Works (SCAP) and an active leader with both the American Waterworks Association and OC Water Association.

SOCWA is grateful for the years of service from Mr. Miller. Our deepest condolences to his family and friends.

PERSONNEL SPOTLIGHT

Employees Take Top Awards Locally and Statewide



SOCWA employees shine at the 2019 awards given by our local Santa Ana River Basin Section (SARBS) of the industry respected Clean Water Environment Association (CWEA).

JB Latham Plant Operator Bob Kallberg has outdone his previous awards, winning

Operator of the Year and continuing on to win third place for the statewide award. The chapter also recognized Gage Gesiriech as Mechanical Technician Person of the Year and Katie Greenwood as Runner Up P3S Person of the Year.

Congratulations to Bob, Gage and Katie for the well deserved recognition of their hard work and dedication.

These awards go on top of the JB Latham Plant being named "Plant of the Year" in 2018.

MEMBER SPOTLIGHT

Santa Margarita Water District Dedicates Trampas Reservoir



After 15 years of planning, and two and a half years of construction, the Santa Margarita Water District (SMWD) officially opened and dedicated the newest, largest, recycled water reservoir in the OC region. The 1.6 billion gallon reservoir, paired with two existing reservoirs, will store nearly all of the recycled water produced by the district, greatly improving water supply during the hot California summer months.

"The Trampas Dam ensures our water supplies are resilient and guarantee we are excellent stewards of our imported water supply," said Board President Betty Olson at a socially distanced opening ceremony and dedication. With special accolades given by the California State Water Resources Control Board, this innovative project helps SMWD toward their goal of zero discharge to the ocean. You can watch the full Dedication Ceremony on [SMWD's Facebook](#) or learn more about the history of the dam in this [Youtube video](#). Congratulations to the Board, Staff and members of Santa Margarita Water District.

[Take a Virtual Tour of the Trampas Canyon Dam & Reservoir](#)

[Learn More about SOCWA](#)

South Orange County Wastewater Authority | 34156 Del Obispo Street , Dana Point, CA 92629

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Agenda Item

6C

Board of Directors Meeting

Meeting Date: March 4, 2021

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

ADMINISTRATIVE

Zoom Meeting System

SOCWA has experienced several technological problems with virtual meetings utilizing the Microsoft Teams application. The IT Administrator assessed several potential network solutions to alleviate the connection problems. Due to the current system configuration, SOCWA will be moving to utilize the Zoom platform. SOCWA staff will provide a short overview of the Zoom platform at the March Board, Engineering and Finance Committee meetings and will make the move to Zoom at the SOCWA Board meeting in April 2021. The cost to move to the Zoom platform can be funded within the existing IT Budget for FY 20-21.

The following provides participants a how to guide to participate in the meetings.

Zoom meeting participants will receive meeting invites via email. Just prior or at the meeting scheduled time, participants joining the meeting from a desktop or laptop, should click on the "Join Zoom Meeting" within the invite email. They will be prompted to download or launch Zoom. If they cannot download or run the application, they have an option to "join from your browser". The participant may receive a notification displaying "Waiting for the host to start this meeting" if the meeting hasn't started yet.

Participants that join from their phone will have a list of toll-based phone numbers to call into. When they call in, they will be prompted to enter in their Meeting ID and the "#" sign. The Meeting ID will be included in the invite email. When prompted for Participant ID just press the "#" sign to continue. The participant will then be asked to enter the Passcode followed by the "#" sign. The passcode is in the invite email as well. The participant can mute/unmute their phone by pressing "*6" during the course of the meeting.

If you would like an individual tutorial on Zoom please send an email to help@socwa.com and staff will provide that.

///

Budget Preparation Schedule

SOCWA staff has begun the work for preparation of the FY 2022/23 Budget working with the Finance Committee. The schedule of meetings for the Budget process includes:

- Finance Committee Special Meetings
 - ❖ **February 6, 2021** – Budget Development Kick Off
 - Key Budget Assumptions
 - Minimum Funding of historical PERS / OPEB costs
 - Facility Readiness to Serve Charge – JBL future of intermittent flows
 - General Assumptions
 - Staffing Plan
 - Capital Funding Policy
 - WIFIA
 - ❖ **March 16, 2021** – O&M Environmental Safety Budget Presentation; Member Comments to 2/16/2021
 - ❖ **April 13, 2021** – General Fund Budget, Administration and Member Comments to prior
 - ❖ **May 18, 2021** – Committee Discussion / Direction
- Board Workshop – May 20, 2021
- Board to consider Budget approval – June 3, 2021

ENVIRONMENTAL COMPLIANCE

Stormwater Compliance

State Water Resources Control Board Order WQ 2014-0057-DWQ as amended by Orders 2015-0122-DWQ and the 2018 Amendment documents are referred to as the Industrial General Permit (IGP) which governs stormwater compliance for the Regional Treatment Plant (RTP) and the Coastal Treatment Plant (CTP). In November 2018, there was an amendment to IGP that allowed for an alternative compliance pathway to increase the amount of storm water that can be captured and treated (contained in Attachment 1) based on the 85th percentile, 24-hour precipitation event. SOCWA staff member Katie Greenwood led this project to assess the controls on site which would potentially allow for achieving this pathway through a series of modeling exercises. SOCWA submitted the Compliance Reports and Operational and Maintenance Plan to the San Diego Regional Water Quality Control Board which were then accepted by SDRWQCB staff as in compliance with the alternative compliance pathway. The Operational and Maintenance Plans also provides SOCWA staff with concrete, decision tree-based logic that will maintain compliance within the IGP. SOCWA staff is awaiting written approval from the State Water Resources Control Board.

SARS-COV-2 Study

On December 17, 2020, the Regional Treatment Plant site was accepted into the Phase 1 Human and Health Services (HHS) Study which concluded on February 16, 2021. The Phase 1 study encompassed 10% of the U.S. population over a six-week period. AquaVitas is the contractor awarded the HHS project and provided all sample bottles, processed all the samples for the SARS-COV-2 signal, and provided results to public health officials through the National Wastewater Surveillance System maintained by the Centers of Disease Control. SOCWA provided in kind services related to sample collection and coordination of sample pick up for this

study. SOCWA will be contacted should AquaVitas be awarded funds to continue Phase 2 of the study which will expand the study to 30% of the U.S. population for a duration of nine weeks.

OPERATIONS UPDATES

Synagro Self Haul Option

During the ongoing Pandemic, there have been a few periods where Synagro has had difficulty in maintaining its workforce that it uses to haul Biosolids to Kern and San Bernardino Counties. In addition to these difficulties, the rainy season can limit SOCWA's ability to use the landfill in San Juan Capistrano simultaneously. To provide a potential remedy under these rare events, O&M staff contacted Synagro to determine if SOCWA could self-haul Biosolids to Synagro's sites.

SOCWA and Synagro are moving forward with an agreement that will allow SOCWA staff or its agents to self-haul Biosolids to Synagro's sites if emergency conditions warrant the need. There is no anticipated change in SOCWA's O&M Budget from this additional option.



Engagement with State Water Board:

- ELAP
- PFAS
- SSS WDR reopening
- COVID-19 challenges



Engagement with SCCWRP:

- Exfiltration
- Bio-stimulatory/Bio-integrity (Nutrient) Policy

Presentations Provided:

- CASA Winter Conference Roundtable host for:
 - Exfiltration and Homeless Issues
 - CARB EICG/CTR “Hot Spots”
- BACWA Collection Committee – Exfiltration and the San Diego Investigative Order
- SCCWRP Webinar on Exfiltration
- CWEA/SWB Webinar on Exfiltration
- CWEA 2020 Virtual Conference PFAS Summit
- CSRMA/DKF Solutions on Exfiltration
- CSRMA/DKF Solutions on Stormwater Diversions to Sewer

Surveys Conducted:

- Automated Maintenance Management Systems
- Smoke Testing Best Practices

Welcome New Members!

Rincon Water

Smart Cover

Dukes Root Control

Comment Letters



- ✓ DTSC Building Vapor Intrusion from Sanitary Sewers
- ✓ SCAQMD AER Source Test Requirements
- ✓ OPC Strategic Plan Ocean Discharge Limitations
- ✓ OEHHA AB 2588 Toxic Emission Inventory
- ✓ CARB Reporting of Criteria Air Pollutants
- ✓ ELAP Lab Accreditation System Regulations (x2)
- ✓ CARB EICG and CTR “Hot Spots”
- ✓ SCAQMD Rule 1179.1 Biogas Fueled POTW Facilities
- ✓ PFAS Sampling Order Extension Request

The CWSP met at Pardee Dam in March for their annual strategic planning meeting



The 2020 Clean Water Summit Partners (CWSP) Priorities:

Water High Priority

- COVID-19
- Coastal Discharge Ban/Recycled Water Mandates
- PFAS/PFOA
- Exfiltration
- Toxicity Provisions
- Nutrients

Water Medium Priority

- SSS WDR
- ELAP
- Microplastics
- Ocean Acidification Action Plan
- 1211 Water Regulation
- Stormwater

Biosolids Priorities

- COVID-19
- SB 1383 Implementation
- CECs (PFAS/PFOA, Microplastics)
- Transportation/Fuel Credits for Biogas
- Office of Inspector General Biosolids Report Response
- Fire Reclamation Research

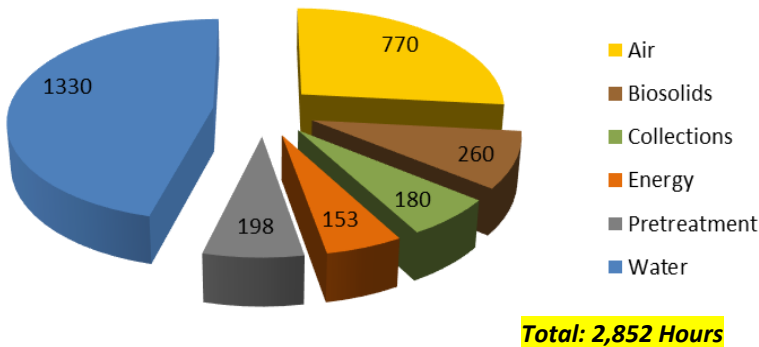




Committee Meetings Held:

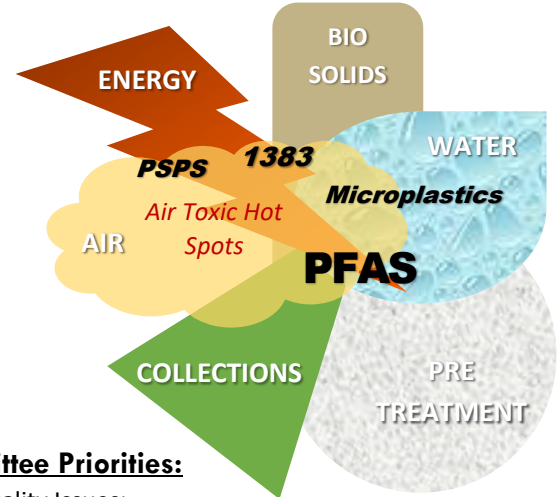
- 11 Air Quality Committee Regular Monthly meetings
 - Numerous SCAQMD and CARB rule meetings
- 10 Water Committee meetings with CASA
 - One Ocean Outfall issues meeting
 - One General Water Committee meeting
 - Two PFAS workshops with the CWSP
- One Joint Collection Committee meeting with CASA (via Zoom)
- Three Pretreatment Committee sessions at CWEA P3S
- One joint Energy/Biosolids Committee meeting at the Rialto Anaergia Food Waste to Energy facility
- 10 Biosolids Committee meetings with CASA

Over 2,800 Volunteer Hours in 2020!



Committee Meetings Planned:

- Air Committee will continue to meet monthly and as needed for specific rule/regulation advocacy
- Water Committee has planned and identified speakers for the following meetings/workshops:
 - Stormwater to sewer diversion case studies
 - Ocean outfall issues workshop number two
 - CWSP PFAS Workshop number three
 - Climate Resiliency – SWB 13267 Survey Workshop
- Collection Committee regular meetings, SCAP/CASA joint meeting and SSS WDR sub-committee meetings
- Pretreatment Committee meetings and participation at the CWEA P3S 2021 Virtual Conference
- Energy Committee – PSPS preparation, Energy Conservation Strategies, Community Choice Aggregation
- Biosolids Committee meetings and SCAP Biennial Biosolids Survey



Committee Priorities:

- Air Quality Issues:
 - AB 617 and AB 2588 Toxic Hot Spots
 - California Air Resources Board (CARB) Zero Emission Fleet Regulations
 - Public Safety Power Shutoffs (PSPS) Potential SCAQMD Rule Amendments
 - SCAQMD Proposed Rule 218.2 and 218.1 Continuous Emission Monitoring Systems (CEMS)
- Water Issues:
 - Toxicity Provisions
 - PFAS
 - Bio-stimulatory/Bio-integrity Provisions
 - Ocean Acidification and Hypoxia (Nutrients)
 - Microplastics
- Collection Systems Issues:
 - COVID-19
 - Exfiltration Theories
 - New Sanitary Sewer System Waste Discharge Requirements
 - Public Safety Power Shutoff (PSPS)
- Pretreatment Issues:
 - COVID-19
 - PFAS
 - Dental Office Category
 - Alkaline Hydrolysis
 - Steam Electric Power Discharges
 - Microplastics
- Energy Issues:
 - Public Safety Power Shutoff (PSPS)
 - Low Carbon Fuel Standard (LCFS)
 - Funding/Incentives
 - Over-generation and grid stability
- Biosolids Issues:
 - SB 1383 Short-Lived Climate Pollutant Reduction
 - AB901 Solids Waste Reporting Rule Implementation
 - PFAS
 - Biosolids Biennial Survey

Detailed descriptions on the following pages