

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:
November 5, 2020
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:

OPEN SESSION TELECONFERENCE PHONE NUMBER: 213-279-1455
TELECONFERENCE ID: 126 729 301

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 of Directors Meeting 1

- Board of Directors Meeting October 1, 2020

ACTION The Board will be requested to approve subject Minutes.

B. Minutes of Finance Committee Meeting 7

- Finance Committee August 4, 2020

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

C. Minutes of Engineering Committee Meeting 9

- Engineering Committee August 13, 2020

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

D. Financial Reports for the Month of September 2020 12

The reports included are as follows:

1. Summary of Disbursements for September 2020 (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 the Board of Directors to ratify the September 2020 disbursements for the period from September 1, 2020, through September 30, 2020, totaling \$4,197,180, and to receive and file the September 2020 Financial Reports as submitted.

E. September 2020 Operations Reports 30

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

ACTION: The Board will be requested to receive and file the September 2020 Operations Reports as submitted.

	<u>PAGE NO</u>
F. Capital Improvement Program Status Report	82
ACTION: The Board will be requested to receive the reports as submitted.	
G. Capital Improvement Program Financial Status and Change Orders	96
ACTION: The Board will be requested to receive the reports as submitted.	
5. <u>FINANCIAL MATTERS</u>	
A. Draft Use Audit FY 2019-20 Budget vs. Actual including Cash Roll Forward as of June 30, 2020	107
ACTION: The Staff will report to the Board at the November 5, 2020 meeting on the actions to be recommended based on input from the Finance Committee, options may include:	
1. The Board of Directors to approve the FY 2019-20 Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the Use Audit as presented; and	
2. The Board of Directors to receive and file the Cash Roll Forward as of June 30, 2020.	
B. Q1 FY2010-21 Cash Roll Forward as of September 30, 2020	198
ACTION: The Board will be requested to:	
• Receive a report from the Finance Committee	
• Option to receive and file the Q1 Fiscal Year 2020-21 Cash Roll Forward as submitted.	
6. <u>ENGINEERING MATTERS</u>	
A. Aliso Creek Air Valve Replacement Update [PC 21]	211
ACTION: The Engineering Committee recommends that the PC-21 Board to approve the award of the Aliso Creek Effluent Transmission Main Design contract to Tetra Tech for \$79,800.	
B. San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project [PC 5]	214
ACTION: The Engineering Committee recommends to the PC-5 Board to award the amendment to Filanc contract in the amount of \$916,164 for the Phase II construction work for a total contract amount of \$1,041,572.	
7. <u>GENERAL MANAGER'S REPORTS</u>	
A. PC 12 Budget Adjustment	216

- ACTION: Staff recommends a PC12 budget adjustment of \$211,000 for:
1. \$181,000 for the 2020 SNMP Update, and
 2. \$30,000 for the HF183 Research Update

B. Regulatory Initiatives and Science Related Update219

- ACTION: Information Item, Questions and Comments

C. General Manager’s Status Report220

- ACTION: Information Item

8. OTHER MATTERS

Open discussion or items received too late to be agendized.

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

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

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
DECEMBER 10, 2020

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

DRAFT

October 1, 2020

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on October 1, 2020, 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 [arrived at 8:36 a.m.]
MATT COLLINGS	Moulton Niguel Water District	Director
DAN FERONS	Santa Margarita Water District	Director
TONI ISEMAN	City of Laguna Beach	Director [exited at 9:40 a.m.]
RAY MILLER	City of San Juan Capistrano	Alternate Director
KATHRYN FRESHLEY	El Toro Water District	Director
STEPHEN DOPUDJA	Trabuco Canyon Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director [arrived @ 9:40 a.m.]
DAVE REBENSORF	City of San Clemente	Director
DOUG REINHART	Irvine Ranch Water District	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
KATIE GREENWOOD	Source Control Manager
RONI GRANT	Associate Engineer
DINA ASH	Human Resource Administrator
KONSTINTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
DANITA HIRSH	Executive Assistant

Also Present:

GREG MOSER	Procopio Law Firm	
DR. SHANNON ROBACK	University of CA – Irvine /Water UCI	
DAVID SHISSLER	City of Laguna Beach	Alternate Director
DENNIS CAFFERTY	El Toro Water District	
FERNANDO PALUDI	Trabuco Canyon Water District	
TREVOR AGRELIUS	Moulton Niguel Water District	
MARC SERNA	South Coast Water District	
ROBB GRANTHAM	Santa Margarita Water District	

1. CALL TO ORDER

Chairperson Ferons called the meeting to order at 8:34 a.m.

2. PLEDGE OF ALLEGIANCE – Director Dan Ferons

3. CLOSED SESSION

The Board of Directors convened to the Closed Session at 8:36 a.m.

A Closed Session was conducted to conference with Labor Negotiators Pursuant to Government Code Section § 54957.6.; and to conference with General Counsel Litigation on one matter SOCWA vs. Pac Hydro, et al., pursuant to Government Code Section § 54956.9.

4. RECONVENE BOARD REGULAR MEETING TO OPEN SESSION AT 9:00 A.M. (or immediately following Closed Session)

The Board of Directors reconvened to Open Session at 9:25 a.m.

5. ORAL COMMUNICATIONS

There were no public comments

6. CONSENT CALENDAR

Mr. Robb Grantham gave a report on the activities from the September 22, Finance Committee Meeting.

ACTION TAKEN

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

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Iseman Aye
	Director Ferons Aye
	Director Erdman Aye
	Director Bourne Aye
	Director Rebensdorf Aye

7. ENGINEERING MATTERS

Due to power outage in the area, Director Iseman called to inform the Board that she had lost the ability to continue the meeting by computer access, and designated Alternate Director Shissler to continue the meeting on her behalf.

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A. Dudek Program and Construction Management Services Change Order [Project Committee 17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Erdman to approve Change Order Number 1 for the Dudek Program and Construction Management Services for \$60,660 for a total revised contract amount of \$317,205.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Collings Aye
	Director Shissler Aye
	Director Erdman Aye

B. JB Latham Plant 2 Grit Area Rehabilitation Project

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Erdman to approve the SS Mechanical JBL Plant 2 Grit Area Rehabilitation Project in the amount of \$60,000 including the project naming and numbering change to “Plant 2 Grit Area Rehabilitation” and 32211L-000.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 0
	Director Collings Aye
	Director Ferons Aye
	Director Erdman Aye
	Director Miller Aye

C. Coastal Treatment Plant Sludge Force Main Design and Permitting Project Change Order [Project Committee 15]

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Dunbar to approve Change Order Number 18 for the Dudek Coastal Treatment Plant Sludge Force Main Design and Permitting Project for \$78,100 for a total revised contract amount of \$788,888 to the Board of Directors.

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

D. San Juan Creek Ocean Outfall Junction Structure Rehabilitation

Staff provide an informational Powerpoint presentation on the project progress; no action taken.

8. GENERAL MANAGER’S REPORTS

A. Revised Pretreatment Ordinance:

Resolution 2020-09, A Resolution Approving Ordinance 2020-01, A Revised Waste Discharge and Pretreatment Source Control Program for the Regulation of Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area, and Repealing Ordinance 2015-1 And Prior Versions

Chairman Erdman opened the public hearing on Ordinance 2020-1 Revised Pretreatment Ordinance at 9:56 a.m. There being no public comments, Chairman Erdman closed the public hearing at 9:57 a.m.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Erdman to waive the second reading of the complete text of Ordinance 2020-1, and adopt Resolution 2020-09, A Resolution Approving Ordinance 2020-01, “A Revised Waste Discharge and Pretreatment Source Control Program for Regulation of Discharge of Wastewater to Sewerage Facilities of the South Orange County Wastewater Authority Service Area”, and Repealing Ordinance 2015-1 and prior versions. The motion for the action including adopting the following revisions: (1) wording of the Ordinance changed to read “Now, therefore, the Board of Directors of the South Orange County Wastewater Authority does hereby *Ordain*, determine and order, as follows...”, and (2) for Article 13, Effective Date, Section 1301 is revised to read “*The 2020 Pretreatment Ordinance was passed and adopted at a regular meeting of the Board of Directors of South Orange County Wastewater Authority held on the 1st day of October, 2020.*”

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Shissler Aye
	Director Ferons Aye
	Director Erdman Aye
	Director Bourne Aye
	Director Rebensdorf Aye

B. Diversion Policy:

Resolution 2020-10, A Resolution Approving a Revised “Policy for Acceptance of Interim Dry Weather Flow to the Wastewater Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements” (“Nuisance Flow Diversion Policy”) and Repealing Resolution 2001-23 and Prior Policies.

Ms. Baylor reported that she had been in prior communication with Mr. Roger Butow of Clean Water Now (CNO), who permitted Ms. Baylor to report on his behalf that he concurs in informing the Board that he is in support of the Diversion Policy.

Chairman Erdman opened the public hearing on the Proposed Diversion Policy at 10:07 a.m. There being no public comments Chairman Erdman closed the public hearing at 10:08 a.m.

Ms. Burnett noted that IRWD has already taken action to approve revisions to their Pretreatment Ordinance, and each agency will need to as well. Additionally, each agency will need to adopt changes to their own Diversion Policy.

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Shissler to waive the second reading of the Nuisance Flow Diversion Policy, and adopt Resolution 2020-10, A Resolution Approving a Revised “*Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements (Nuisance Flow Diversion Policy)*” and Repealing Resolution 2001-23 and Prior Policies.

Motion carried:	Aye 10, Nay 0, Abstained 0, Absent
	Director Dunbar Aye
	Director Freshley Aye
	Director Dopudja Aye
	Director Collings Aye
	Director Reinhart Aye
	Director Shissler Aye
	Director Ferons Aye
	Director Erdman Aye
	Director Bourne Aye
	Director Rebensdorf Aye

- C. Personal Related Resolution 2020-11 for Proposed Side Letter of Agreement to 2020-2023 Memorandum of Understanding Between SOCWA and the SOCWA Employee’s Association Regarding Crane Certification Pay

ACTION TAKEN

Ms. Burnett stated the Board discussed the agenda item in Closed Session reporting that the Board unanimously approved Adopting Resolution 2020-11, Side Letter of Agreement No. 2 to 2020-2023 Memorandum of Understanding Between SOCWA and the SOCWA Employee’s Association, and authorizing the Chairman and the Secretary to sign Side Letter of Agreement No. 2.

- D. AWT#2 Rehabilitation Equipment Purchases General Manager Authorization [PC-17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to authorize the General Manager to purchase the identified items at a cost of \$202,800, including shipping and tax costs that will be determined at the time the units are shipped.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Collings Aye
	Director Shissler Aye
	Director Erdman Aye

E. Ratify Small Capital Purchase of a Shower Trailer for \$68,400 [PC-15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Erdman to ratify the purchase of the shower trailer for \$68,400.

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

F. General Manager's Status Report

Ms. Burnett stated for the purpose of time, that the Board members could review the General Manager's Status Report and email her with any questions they might have. She directed Ms. Baylor to introduce Dr. Shannon Roback of UCI who gave a presentation to the Board.

Dr. Shannon Roback of UCI gave a presentation on the Water UCI University Research Center program. She discussed the established collaboration between industry, government, and the University through research, workforce development, education outreach and creating policy. Dr. Roback stated that OCWD, IRWD, SMWD and MNWD are the four member agencies that make up the UCI Industry Advisory Board.

This was an information item; no action was taken.

ADJOURNMENT

There being no further business, Director Ferons adjourned the meeting at 10:54 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on October 1, 2020 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

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

August 4, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on August 4, 2020, at 10:30 a.m. via teleconference. The following members of the Finance Committee were identifiably participating:

ROBB GRANTHAM	Santa Margarita Water District	Alternate Director
RAY MILLER	City of San Juan Capistrano	Alternate Director [arrived @ 10:46]
MATT COLLINGS	Moulton Niguel Water District	Alternate Director
DENNIS CAFFERTY	El Toro Water District	Alternate Director

Absent:

DENNIS ERDMAN	South Coast Water District	Director
TONI ISEMAN	City of Laguna Beach	Director

Staff Participation:

BETTY BURNETT	General Manager
JASON MANNING	Director of Engineering
JIM BURROR	Director of Operation
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NADYN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Contracts/Procurement Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

GREG MOSER	Procopio Law Firm
PAMELA ARENDS-KING	South Coast Water District
KATHRYN FRESHLY	El Toro Water District
TREVOR AGRELIUS	Moulton Niguel Water District
GAVIN CURRAN	City of Laguna Beach

1. Call Meeting to Order

Alternate Chairperson Grantham called the meeting to order at 10:34 a.m.

Following the Roll Call Vote, the meeting was adjourned due to a lack of quorum at 10:42 a.m.

The meeting reconvened at 10:46 a.m. having a quorum with the attendance of Director Miller joining the meeting.

Alternate Chairperson Grantham noted for the record that the following Directors were present: Director Cafferty, Director Collings, Director Miller, and Director Grantham.

2. Public Comments – None

3. FY 2019-20 O&M Budget Update and Proposed Budget Amendments

Mr. Burror gave a presentation briefing the Finance Committee on the budget increases impacting PC2 and PC 5. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Cafferty to recommend to the PC-5 Board of Directors to approve a FY 2019-20 Budget Adjustment in the amount of \$60,000, and to recommend to the PC-2 Board of Directors to approve a FY 2019-20 Budget Adjustment in the amount of \$140,000 (or amended amount).

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
	Director Erdman Absent
	Director Iseman Absent
	Director Miller Aye
	Director Grantham Aye
	Director Collings Aye
	Director Cafferty Aye

Adjournment

There being no further business, Chairperson Erdman adjourned the meeting at 11:06 a.m.

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

August 4, 2020, 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**

August 13, 2020

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on August 13, 2020, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MARC SERNA	South Coast Water District
DON BUNTS	Santa Margarita Water District
MIKE MARQUIS	City of San Juan Capistrano
BOBBY YOUNG	El Toro Water District
MIKE DUNBAR	Emerald Bay Service District [exited 9:11 a.m.]
ROD WOODS	Moulton Niguel Water District
HANNAH JOHNSON	City of Laguna Beach
KEVIN BURTON	Irvine Ranch Water District
LORRIE LAUSTEN	Trabuco Canyon Water District
DAVE REBENDORF	City of San Clemente

Staff Present:

JASON MANNING	Director of Engineering
DAVID BARANOWSKI	Senior Engineer
RONI YOUNG	Associate Engineer
AMBER BAYLOR	Director of Environmental Compliance
JIM BURROR	Director of Operations [arrived 8:43 am.]
JEANETTE COTINOLA	Contracts/Procurement Administrator
DANITA HIRSH	Executive Assistant

Also Present:

DENNIS ERDMAN	South Coast Water District
TARYN KJOSLING	South Coast Water District
JOE McDIVITT	South Coast Water District
DENNIS CAFFERTY	El Toro Water District
MATT COLLINGS	Moulton Niguel Water District
JESUS GARIBAY	Moulton Niguel Water District

1. Call Meeting to Order

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

2. Public Comments

None

3. Operations Status Report

Mr. Burror reported that SOCWA staff is meeting with Moulton Niguel Water District (MNWD) next week to discuss the AWT improvements needed due to the delay of the AWT No. 2 Rehabilitation Project. He noted the estimated costs are \$200k to \$300k, and that the pond valves and gates are also in need of overhaul. He stated they were not shown in the drawings

for the AWT No. 2 Rehabilitation Project, and that he would be getting prices for overhaul of the valves and gates for the upcoming AWT meeting with MNWD.

This was an Information item; no action was taken.

4. Use Audit Flow and Solids Methodology - Annual Update FY 19-20 (under separate cover)

Ms. Baylor reported that SOCWA was in its third year of transparency of the Use Audit Methodology. She stated several comments were received from Moulton Niguel and South Coast Water District as detailed in the emailed responses to member agencies. She stated that the primary focus of actions related to PC12 are efficiencies related to compliance with the permit and quality control associated with the review of data and reporting to the SDRWQCB as the best measure for PC-12 for the fiscal year. An open discussion ensued.

ACTION TAKEN

The Engineering Committee recommended to the Board of Directors to approve the staff recommendations in the Use Audit staff report.

5. Capital Improvement Construction Projects Report

Mr. Manning reported the design of the PC-15 Sludge Force Main should be completed by the end of the month, and then will go out to bid. He stated the Coastal Development Permit (CDP) hearing for the application extension that was schedule for August go pushed out to September, and that once the extension is approved the permit would be issued.

Mr. Manning reviewed the change order reports with the committee and noted there was one change order on the CTP Facility Improvements project for PC-15. Noting that due to the change in the SCE's standards on the type of Transformer Slab Box that could be installed having a cost impact of \$4,378. An open discussion ensued.

ACTION TAKEN

The PC-15 members concurred in support for change order 8 totaling \$4,378 and recommendation to the Board of Directors for ratification.

The Moulton Niguel Water District representative abstained.

6. Innovative Biosolids Update (Project Committee's 2 & 17)

Mr. Manning reported that there were three responses resulting from the Request For Proposals sent to five potential vendors. The responders were sent a list of additional questions, but unfortunately the process was slowed down due to the economic circumstances of the Coronavirus. He stated that, when the group last met, there was a recommendation to hold separate PC-2 and PC-17 meetings to discuss further details, and asked the Committee members to opine as to whether that was still direction the members would like to take. An open discussion ensued.

ACTION TAKEN

The PC-2 and PC-17 members concurred to scheduling a separate meeting to discuss in detail the moving the Innovative Biosolids project forward with PC 2 and PC 17.

PC-2	PC-17
Mike Marquis (CSJC)	Bobby Young (ETWD)
Marc Serna (SCWD)	Mike Dunbar (EBS)
Rod Woods (MNWD)	Hannah Johnson (CLB)
Don Bunts (SMWD)	Rod Woods (MNWD)
	Marc Serna (SCWD)

7. San Juan Creek Ocean Outfall Junction Structure Rehabilitation (Project Committee 5) Update

Mr. Manning gave a presentation detailing the status and historical data of the San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project. The presentation is pages 13 through 22 of the agenda packet. An open discussion ensued.

This was an Information item; no action was taken.

There being no further business, Mr. Manning adjourned the meeting at 9:44 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 August 13, 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: October 27, 2020

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Financial Reports for the Month of September 2020

Summary/Discussion

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

The reports included are as follows:

- a. Summary of Disbursements for September 2020 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- e. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

Fiscal impact

September 2020 cash disbursements were: \$4,197,180.

- 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 the Board of Directors to ratify the September 2020 disbursements for the period from September 1, 2020, through September 30, 2020, totaling \$4,197,180, and to receive and file the September 2020 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
Summary of Disbursements for September 2020
Staff Recommendation of Fiscal Matters**

	<u>Actual¹</u>
General Fund	\$ (501,061)
PC 2 - Jay B. Latham Plant	(898,625)
PC 5 - San Juan Creek Ocean Outfall	(73,214)
PC 8 - Pretreatment Program	(14,798)
PC 12 SO - Water Reclamation Permits	(70,530)
PC 15 - Coastal Treatment Plant/AWT	(1,246,752)
PC 17 - Joint Regional Wastewater Reclamation	(1,356,909)
PC 21 - Effluent Transmission Main	(259)
PC 24 - Aliso Creek Ocean Outfall	(35,033)
Total	<u>\$ (4,197,180)</u>

¹Large Cash Disbursements to Top-Ten Vendors, primarily due to construction, \$1,841,384.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of September 30, 2020**

CASH IN BANK: (BEGINNING BAL.)	\$	2,020,987
L.A.I.F. FUNDS: (BEGINNING BAL.)		17,026,311
DEPOSITS, TRANSFERS & ADJUSTMENTS:		2,610,912
FUND REQUIREMENTS:		
BILLS FOR CONSIDERATION		(4,197,180)
TOTAL CASH IN BANK	\$	17,461,029

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

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

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

Betty Burnett
General Manager

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



PMIA/LAIF Performance Report as of 10/07/20



PMIA Average Monthly Effective Yields⁽¹⁾

Sep	0.685
Aug	0.784
Jul	0.920

Quarterly Performance Quarter Ended 06/30/20

LAIF Apportionment Rate ⁽²⁾ :	1.47
LAIF Earnings Ratio ⁽²⁾ :	.00004012766505335
LAIF Fair Value Factor ⁽¹⁾ :	1.004912795
PMIA Daily ⁽¹⁾ :	1.08%
PMIA Quarter to Date ⁽¹⁾ :	1.41%
PMIA Average Life ⁽¹⁾ :	191

**Revised 7/21/2020 per State Controller's Office*

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 08/31/20 \$113.8 billion

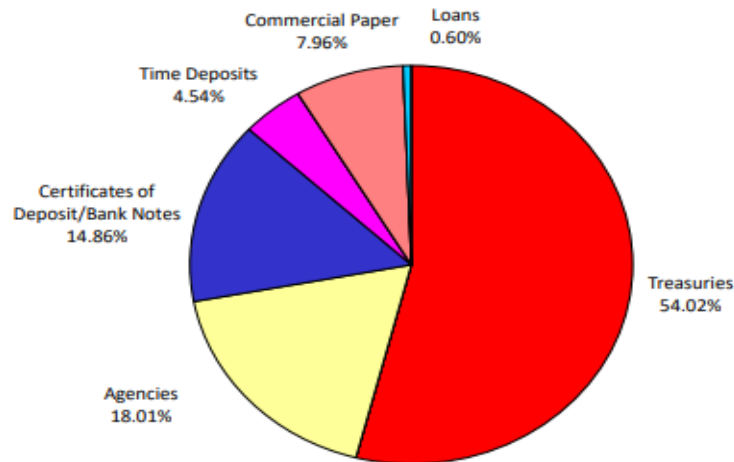


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

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

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

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 September 30, 2020**

MVA	\$ 4,295	(A)
A/P Checking	1,256,933	(B)
Payroll Checking	95,491	(C)
State LAIF	16,104,311	(D)
Total Cash in Bank	\$ 17,461,029	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 17,462,629	
OPEB Trust	5,536,612	(F)
Total Cash and Investments	\$ 22,999,241	

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.

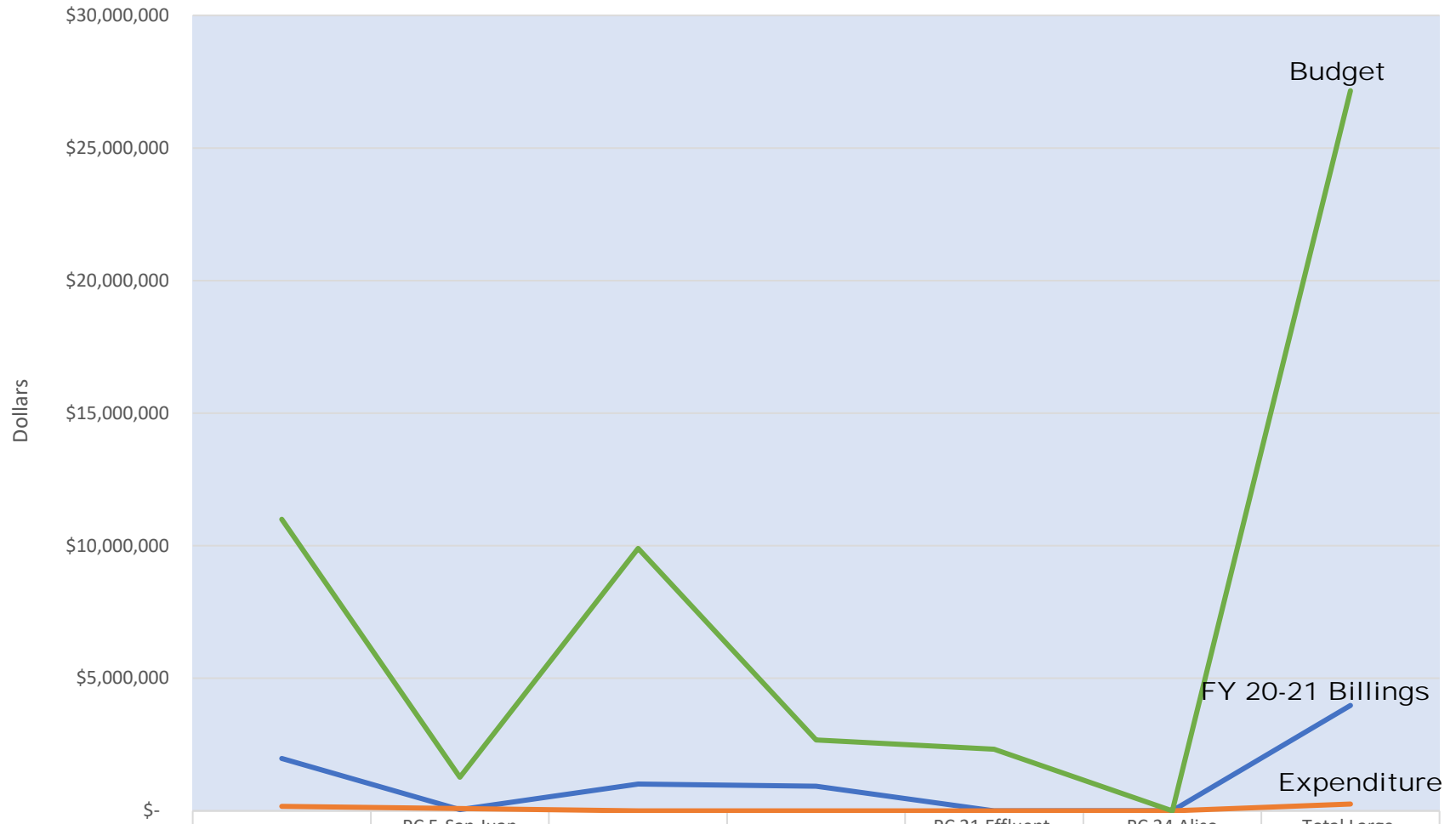
**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended September 30, 2020
(in dollars)**

FY 2020-21 Budget vs. Actual Spending								
<u>Description</u>	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Past Due Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 11,001,878	\$ 1,977,695	\$ 9,024,183	18.0%	\$ 173,978	\$ 173,978	\$ -	1136.7%
PC 5-San Juan Creek Outfall	1,263,698	51,254	1,212,444	4.1%	83,717	69,803	13,914	61.2%
PC 15-Coastal	9,901,131	1,016,302	8,884,829	10.3%	-	-	-	-
PC 17-Regional	2,673,021	925,844	1,747,177	34.6%	-	-	-	-
PC 21 Effluent Transmission	2,322,672	-	2,322,672	0.0%	-	-	-	-
* PC 24 Aliso Creek Outfall	-	5,552	(5,552)		-	-	-	
Total Large Capital	\$ 27,162,400	\$ 3,976,648	\$ 23,185,752	14.6%	\$ 257,695	\$ 243,781	\$ 13,914	1543.2%
Non-Capital Engineering	1,161,634	35,618	1,126,016	3.1%	60,000	60,000		59.4%
Non-Capital Misc Engineering	75,000	43,324	31,676	57.8%	18,750	18,750		231.1%
Small Internal Capital	2,099,000	311,447	1,787,553	14.8%	524,750	524,750		59.4%
Total Capital	\$ 30,498,034	\$ 4,367,037	\$ 26,130,997	14.3%	\$ 861,195	\$ 847,281	\$ 13,914	507.1%

* 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 09/30/2020

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 9/30/20	\$1,977,695	\$51,254	\$1,016,302	\$925,844	-	\$5,552	\$3,976,648
FY 20-21 Billings	\$173,978	\$83,717	-	-	-	-	\$257,695
Capital Budget 20-21	\$11,001,878	\$1,263,698	\$9,901,131	\$2,673,021	\$2,322,672	-	\$27,162,400

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary**
For the Period Ended September 30, 2020
(in dollars)

	FY 2020-21 Budget	Actual	(Over)/Under Budget	%Expended	
Salary and Fringe					
5000--***	Regular Salaries-O&M	4,510,604	1,105,080	3,405,524	24.5%
5001--***	Overtime Salaries-O&M	128,700	35,261	93,439	27.4%
5306--***	Scheduled Holiday Work	33,964	22,689	11,275	66.8%
5315--***	Comp Time - O&M	12,168	3,617	8,551	29.7%
5401--***	Fringe Benefits IN to PC's & Depts.	2,374,488	581,749	1,792,739	24.5%
5700--***	Standby Pay	67,608	17,160	50,448	25.4%
	Total Payroll Costs	7,127,532	1,765,556	5,361,976	24.8%
Other Expenses					
5002--***	Electricity	1,154,008	325,662	828,346	28.2%
5003--***	Natural Gas	234,532	51,313	183,219	21.9%
5004--***	Potable & Reclaimed Water	77,008	17,815	59,193	23.1%
5005--***	Co-generation Power Credit	(669,000)	(119,880)	(549,120)	17.9%
5006--***	Chlorine/Sodium Hypochlorite	479,900	119,472	360,428	24.9%
5007--***	Polymer Products	739,004	129,265	609,739	17.5%
5008--***	Ferric Chloride	452,000	119,554	332,446	26.5%
5009--***	Odor Control Chemicals	114,996	19,027	95,969	16.5%
5010--***	Other Chemicals - Misc.	2,996	-	2,996	0.0%
5011--***	Laboratory Services	40,580	6,432	34,148	15.9%
5012--***	Grit Hauling	124,996	22,783	102,213	18.2%
5013--***	Landscaping	206,004	62,864	143,140	30.5% (1)
5014--***	Engineering - Misc.	-	-	-	0.0%
5015--***	Management Support Services	370,504	47,092	323,412	12.7%
5016--***	Audit - Environmental	1,252	-	1,252	0.0%
5017--***	Legal Fees	32,355	20,723	11,632	64.1%
5018--***	Public Notices/ Public Relations	5,500	-	5,500	0.0%
5019--***	Contract Services Misc.	256,012	63,217	192,795	24.7%
5021--***	Small Vehicle Expense	24,556	(411)	24,967	(1.7%)
5022--***	Miscellaneous Expense	18,020	1,830	16,190	10.2%
5023--***	Office Supplies - All	43,004	7,384	35,620	17.2%
5024--***	Petroleum Products	34,000	3,760	30,240	11.1%
5025--***	Uniforms	68,992	12,839	56,153	18.6%
5026--***	Small Vehicle Fuel	24,604	2,396	22,208	9.7%
5027--***	Insurance - Property/Liability	275,584	74,689	200,895	27.1%
5028--***	Small Tools & Supplies	77,500	12,135	65,365	15.7%
5030--***	Trash Disposal	6,992	1,188	5,804	17.0%
5031--***	Safety Program & Supplies	114,868	35,449	79,419	30.9% (2)
5032--***	Equipment Rental	7,004	-	7,004	0.0%
5033--***	Recruitment	2,504	384	2,120	15.3%
5034--***	Travel Expense/Tech. Conferences	32,316	540	31,776	1.7%
5035--***	Training Expense	40,664	2,621	38,043	6.4%
5036--***	Laboratory Supplies	100,152	14,121	86,031	14.1%
5037--***	Office Equipment	65,000	6,760	58,240	10.4%
5038--***	Permits	480,520	18,914	461,606	3.9%
5039--***	Membership Dues/Fees	23,772	5,150	18,623	21.7%
5044--***	Offshore Monitoring	44,004	29,445	14,559	66.9% (3)
5046--***	Effluent Chemistry	40,004	3,917	36,087	9.8%
5047--***	Access Road Expenses	44,004	875	43,129	2.0%
5048--***	Storm Damage	20,008	-	20,008	0.0%
5049--***	Biosolids Disposal	1,429,996	285,224	1,144,772	19.9%
5050--***	Contract Services Generators - 29A	22,008	-	22,008	0.0%
5052--***	Janitorial Services	94,004	24,764	69,240	26.3%
5053--***	Contract Serv - Digester Cleaning - 29E	125,000	-	125,000	0.0%
5054--***	Diesel Truck Maint	41,004	3,682	37,322	9.0%
5055--***	Diesel Truck Fuel - 37B	11,504	2,491	9,013	21.7%
5056--***	Maintenance Equip. & Facilities (Solids)	361,000	78,925	282,075	21.9%
5057--***	Maintenance Equip. & Facilities (Liquids)	669,000	138,206	530,794	20.7%
5058--***	Maintenance Equip. & Facilities (Common)	86,008	44,618	41,390	51.9% (1)
5059--***	Maintenance Equip. & Facilities (Co-Gen)	960,000	108,423	851,577	11.3%
5060--***	Maintenance Equip. & Facilities (AWT)	75,000	20,562	54,438	27.4%
5061--***	Mileage	3,548	1,014	2,534	28.6%
5067--***	Port Cleaning	70,000	-	70,000	0.0%
5068--***	MNWD Potable Water Supplies & Svcs.	42,000	4,298	37,702	10.2%
5076--***	SCADA Infrastructure	91,508	-	91,508	0.0%
5077--***	IT Direct	10,000	10	9,990	0.1%
5105--***	Co-Generation Power Credit - Offset	669,000	119,880	549,120	17.9%
5303--***	Group Insurance Waiver	14,392	3,655	10,737	25.4%
5305--***	Medicare Tax Payments for Employees	1,336	476	860	35.6%
5309--***	Operating Leases	31,008	6,393	24,615	20.6%
5705--***	Monthly Car Allowance	31,192	8,986	22,206	28.8%
5799--***	Zephyr Wall Costs Share - O&M	(14,000)	14,500	(28,500)	0.0%
5802--***	Shipping/Freight	100	-	100	0.0%
6241--***	Education Reimbursement	-	161	(161)	0.0%
6500--***	IT Allocations in to PC's & Depts.	556,996	101,533	455,463	18.2%
	Total Other Expenses	10,592,323	2,087,127	8,505,196	19.7%
	Total O&M Expenses	19 17,719,855	3,852,683	13,867,172	21.7%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended September 30, 2020
(in dollars)

- (1) Tree removal and water line repairs to support an emergency repair at RTP.
- (2) Replace of old equipment and PPE happens in July each year.
- (3) Annual, one time cost for kelp overflight required by the NPDES permit.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020
(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	393,403	1,124,645	25.9%
02-5001-**-***	Overtime Salaries-O&M	38,716	16,615	22,101	42.9%
02-5306-**-***	Scheduled Holiday Work	13,364	8,882	4,482	66.5%
02-5315-**-***	Comp Time - O&M	5,028	1,860	3,168	37.0%
02-5401-**-***	Fringe Benefits IN to PC's & Depts.	799,132	207,100	592,032	25.9%
02-5700-**-***	Standby Pay	25,352	6,110	19,242	24.1%
	Total Payroll Costs	2,399,640	633,969	1,765,671	26.4%
Other Expenses					
02-5002-**-***	Electricity	547,004	134,169	412,835	24.5%
02-5003-**-***	Natural Gas	121,036	29,121	91,915	24.1%
02-5004-**-***	Potable & Reclaimed Water	24,004	4,857	19,147	20.2%
02-5006-**-***	Chlorine/Sodium Hypochlorite	7,900	1,414	6,486	17.9%
02-5007-**-***	Polymer Products	278,000	57,884	220,116	20.8%
02-5008-**-***	Ferric Chloride	140,000	45,151	94,849	32.3%
02-5009-**-***	Odor Control Chemicals	21,000	2,941	18,059	14.0%
02-5010-**-***	Other Chemicals - Misc.	1,000	-	1,000	0.0%
02-5011-**-***	Laboratory Services	12,500	620	11,880	5.0%
02-5012-**-***	Grit Hauling	54,000	9,840	44,160	18.2%
02-5013-**-***	Landscaping	75,008	6,600	68,408	8.8%
02-5015-**-***	Management Support Services	26,004	4,871	21,133	18.7%
02-5017-**-***	Legal Fees	3,095	122	2,973	3.9%
02-5019-**-***	Contract Services Misc.	75,008	15,420	59,588	20.6%
02-5021-**-***	Small Vehicle Expense	11,000	(674)	11,674	-6.1% (1)
02-5022-**-***	Miscellaneous Expense	8,000	1,183	6,817	14.8%
02-5023-**-***	Office Supplies - All	28,000	2,906	25,094	10.4%
02-5024-**-***	Petroleum Products	11,000	185	10,815	1.7%
02-5025-**-***	Uniforms	32,992	5,953	27,039	18.0%
02-5026-**-***	Small Vehicle Fuel	12,004	953	11,051	7.9%
02-5027-**-***	Insurance - Property/Liability	89,920	25,165	64,755	28.0%
02-5028-**-***	Small Tools & Supplies	37,004	8,738	28,266	23.6%
02-5030-**-***	Trash Disposal	2,000	381	1,619	19.1%
02-5031-**-***	Safety Program & Supplies	39,004	15,707	23,297	40.3% (2)
02-5032-**-***	Equipment Rental	3,000	-	3,000	0.0%
02-5033-**-***	Recruitment	1,000	384	616	38.4%
02-5034-**-***	Travel Expense/Tech. Conferences	9,496	141	9,355	1.5%
02-5035-**-***	Training Expense	12,808	621	12,187	4.8%
02-5036-**-***	Laboratory Supplies	16,472	1,656	14,816	10.1%
02-5037-**-***	Office Equipment	13,000	215	12,785	1.7%
02-5038-**-***	Permits	25,504	16,689	8,815	65.4% (3)
02-5039-**-***	Membership Dues/Fees	4,384	1,548	2,836	35.3%
02-5049-**-***	Biosolids Disposal	524,996	110,408	414,588	21.0%
02-5050-**-***	Contract Services Generators - 29A	10,004	-	10,004	0.0%
02-5052-**-***	Janitorial Services	41,000	12,563	28,437	30.6%
02-5053-**-***	Contract Serv - Digester Cleaning - 29E	60,000	-	60,000	0.0%
02-5054-**-***	Diesel Truck Maint	21,000	1,613	19,387	7.7%
02-5055-**-***	Diesel Truck Fuel - 37B	3,004	609	2,395	20.3%
02-5056-**-***	Maintenance Equip. & Facilities (Solids)	155,000	13,777	141,223	8.9%
02-5057-**-***	Maintenance Equip. & Facilities (Liquids)	254,000	40,061	213,939	15.8%
02-5058-**-***	Maintenance Equip. & Facilities (Common)	28,000	5,491	22,509	19.6%
02-5059-**-***	Maintenance Equip. & Facilities (Co-Gen)	369,000	47,111	321,889	12.8%
02-5061-**-***	Mileage	2,044	410	1,634	20.1%
02-5076-**-***	SCADA Infrastructure	30,504	-	30,504	0.0%
02-5077-**-***	IT Direct	4,996	-	4,996	0.0%
02-5303-**-***	Group Insurance Waiver	3,592	914	2,678	25.4%
02-5309-**-***	Operating Leases	25,004	6,393	18,611	25.6%
02-5705-**-***	Monthly Car Allowance	18,600	5,788	12,812	31.1%
02-5799-**-***	Zephyr Wall Costs Share - O&M	(14,000)	14,500	(28,500)	0.0%
02-6500-**-***	IT Allocations in to PC's & Depts.	187,624	34,202	153,422	18.2%
	Total Other Expenses	3,466,515	688,600	2,777,915	19.9%
	Total Expenses	5,866,155	1,322,570	4,543,585	22.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020
(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	31,029	63,852	32.7%
05-5001-**-***	Overtime Salaries-O&M	584	51	533	8.7%
05-5306-**-***	Scheduled Holiday Work	100	292	(192)	0.0%
05-5401-**-***	Fringe Benefits IN to PC's & Depts.	49,940	16,334	33,606	32.7%
	Total Payroll Costs	<u>145,504</u>	<u>47,706</u>	<u>97,798</u>	<u>32.8%</u>
Other Expenses					
05-5002-**-***	Electricity	1,004	-	1,004	0.0%
05-5003-**-***	Natural Gas	500	-	500	0.0%
05-5015-**-***	Management Support Services	80,000	-	80,000	0.0%
05-5017-**-***	Legal Fees	2,008	1,351	658	67.3%
05-5026-**-***	Small Vehicle Fuel	500	-	500	0.0%
05-5027-**-***	Insurance - Property/Liability	8,192	2,185	6,007	26.7%
05-5031-**-***	Safety Supplies	1,004	-	1,004	0.0%
05-5034-**-***	Travel Expense/Tech. Conferences	2,000	-	2,000	0.0%
05-5035-**-***	Training Expense	4,000	53	3,947	1.3%
05-5036-**-***	Laboratory Supplies	24,504	4,853	19,651	19.8%
05-5038-**-***	Permits	198,996	-	198,996	0.0%
05-5039-**-***	Membership Dues/Fees	5,564	-	5,564	0.0%
05-5044-**-***	Offshore Monitoring	22,000	14,335	7,665	65.2% (4)
05-5046-**-***	Effluent Chemistry	20,004	2,436	17,568	12.2%
05-5058-**-***	Maintenance Equip. & Facilities (Common)	1,004	6,215	(5,211)	619.0% (5)
05-5067-**-***	Port Cleaning	35,000	-	35,000	0.0%
05-6500-**-***	IT Allocations in to PC's & Depts.	11,716	2,136	9,580	18.2%
	Total Other Expenses	<u>417,996</u>	<u>33,563</u>	<u>384,433</u>	<u>8.0%</u>
	Total Expenses	<u>563,500</u>	<u>81,269</u>	<u>482,231</u>	<u>14.4%</u>
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-***	Regular Salaries-O&M	81,396	25,408	55,988	31.2%
08-5306-**-***	Scheduled Holiday Work	356	-	356	0.0%
08-5315-**-***	Comp Time - Environment	2,476	-	2,476	0.0%
08-5401-**-***	Fringe Benefits IN to PC's & Depts.	42,852	13,376	29,476	31.2%
	Total Payroll Costs	<u>127,080</u>	<u>38,784</u>	<u>88,296</u>	<u>30.5%</u>
Other Expenses					
08-5011-**-***	Laboratory Services	3,008	100	2,908	3.3%
08-5015-**-***	Management Support Services	4,000	-	4,000	0.0%
08-5016-**-***	Audit - Environmental	1,252	-	1,252	0.0%
08-5017-**-***	Legal Fees	2,532	3,019	(487)	119.2%
08-5018-**-***	Public Notices/ Public Relations	5,500	-	5,500	0.0%
08-5021-**-***	Small Vehicle Expense - 31A	1,052	-	1,052	0.0%
08-5022-**-***	Miscellaneous Expense	2,020	-	2,020	0.0%
08-5026-**-***	Small Vehicle Fuel - 37A	1,096	30	1,066	2.7%
08-5027-**-***	Insurance - Property/Liability	2,844	759	2,085	26.7%
08-5028-**-***	Small Tools & Supplies	3,496	294	3,202	8.4%
08-5034-**-***	Travel Expense/Tech. Conferences	2,220	-	2,220	0.0%
08-5035-**-***	Training Expense	796	163	633	20.5%
08-5038-**-***	Permits and Fines	6,000	-	6,000	0.0%
08-5039-**-***	Membership Dues/Fees	800	106	694	13.3%
08-6500-**-***	IT Allocations in to PC's & Depts.	10,052	1,832	8,220	18.2%
	Total Other Expenses	<u>46,668</u>	<u>6,302</u>	<u>40,366</u>	<u>13.5%</u>
	Total Expenses	<u>173,748</u>	<u>45,086</u>	<u>128,662</u>	<u>25.9%</u>
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-***	Regular Salaries-O&M	50,404	11,390	39,014	22.6%
12-5401-**-***	Fringe Benefits IN to PC's & Depts.	26,528	5,996	20,532	22.6%
	Total Payroll Costs	<u>76,932</u>	<u>17,386</u>	<u>59,546</u>	<u>22.6%</u>
Other Expenses					
12-5015-**-***	Management Support Services	157,000	41,901	115,099	26.7%
12-5017-**-***	Legal Fees	2,008	7,000	(4,992)	348.6% (10)
12-5027-**-***	Insurance - Property/Liability	3,116	831	2,285	26.7%
12-5034-**-***	Travel Expense/Tech. Conferences	1,352	-	1,352	0.0%
12-5038-**-***	Permits	21,512	-	21,512	0.0%
12-6500-**-***	IT Allocations in to PC's & Depts.	6,236	1,135	5,101	18.2%
	Total Other Expenses	<u>191,224</u>	<u>50,867</u>	<u>140,357</u>	<u>26.6%</u>
	Total Expenses	<u>268,156</u>	<u>68,253</u>	<u>199,903</u>	<u>25.5%</u>

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020
(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	221,787	717,725	23.6%
15-5001-**-***	Overtime Salaries-O&M	21,760	4,794	16,966	22.0%
15-5306-**-***	Scheduled Holiday Work	5,096	4,593	503	90.1%
15-5315-**-***	Comp Time - O&M	2,100	437	1,663	20.8%
15-5401-**-***	Fringe Benefits IN to PC's & Depts.	494,584	116,756	377,828	23.6%
15-5700-**-***	Standby Pay	16,900	3,738	13,163	22.1%
	Total Payroll Costs	1,479,952	352,105	1,127,847	23.8%
Other Expenses					
15-5002-**-***	Electricity	256,000	62,767	193,233	24.5%
15-5003-**-***	Natural Gas	3,000	74	2,926	2.5%
15-5004-**-***	Potable & Reclaimed Water	25,004	5,028	19,976	20.1%
15-5006-**-***	Chlorine/Sodium Hypochlorite	92,000	17,009	74,991	18.5%
15-5007-**-***	Polymer Products	1,004	-	1,004	0.0%
15-5008-**-***	Ferric Chloride	46,996	10,710	36,286	22.8%
15-5009-**-***	Odor Control Chemicals	50,000	9,487	40,513	19.0%
15-5011-**-***	Laboratory Services	8,000	2,601	5,399	32.5%
15-5012-**-***	Grit Hauling	20,996	5,480	15,516	26.1%
15-5013-**-***	Landscaping	56,000	5,070	50,930	9.1%
15-5015-**-***	Management Support Services	2,500	99	2,401	4.0%
15-5017-**-***	Legal Fees	15,700	122	15,578	0.8%
15-5019-**-***	Contract Services Misc.	85,000	25,761	59,239	30.3%
15-5021-**-***	Small Vehicle Expense - 31A	5,504	94	5,410	1.7%
15-5022-**-***	Miscellaneous Expense	1,000	226	774	22.6%
15-5023-**-***	Office Supplies - All	4,004	1,179	2,825	29.4%
15-5024-**-***	Petroleum Products	3,000	1,996	1,004	66.5% (6)
15-5025-**-***	Uniforms	8,996	1,539	7,457	17.1%
15-5026-**-***	Small Vehicle Fuel - 37A	2,000	244	1,756	12.2%
15-5027-**-***	Insurance - Property/Liability	46,396	12,376	34,020	26.7%
15-5028-**-***	Small Tools & Supplies	8,000	363	7,637	4.5%
15-5030-**-***	Trash Disposal	2,996	542	2,454	18.1%
15-5031-**-***	Safety Program & Supplies	33,352	7,461	25,891	22.4% (2)
15-5032-**-***	Equipment Rental	1,000	-	1,000	0.0%
15-5033-**-***	Recruitment	500	-	500	0.0%
15-5034-**-***	Travel Expense/Tech. Conferences	5,748	141	5,607	2.5%
15-5035-**-***	Training Expense	8,356	296	8,060	3.5%
15-5036-**-***	Laboratory Supplies	11,004	2,201	8,803	20.0%
15-5037-**-***	Office Equipment	2,000	-	2,000	0.0%
15-5038-**-***	Permits	8,000	256	7,744	3.2%
15-5039-**-***	Membership Dues/Fees	2,600	1,604	996	61.7%
15-5047-**-***	Access Road Expenses	44,004	875	43,129	2.0%
15-5048-**-***	Storm Damage	20,008	-	20,008	0.0%
15-5050-**-***	Contract Services Generators - 29A	4,004	-	4,004	0.0%
15-5052-**-***	Janitorial Services	12,004	3,169	8,835	26.4%
15-5054-**-***	Diesel Truck Maint - 31B	1,004	-	1,004	0.0%
15-5055-**-***	Diesel Truck Fuel - 37B	496	-	496	0.0%
15-5057-**-***	Maintenance Equip. & Facilities (Liquids)	179,000	41,237	137,763	23.0%
15-5058-**-***	Maintenance Equip. & Facilities (Common)	22,000	396	21,604	1.8%
15-5060-**-***	Maintenance Equip. & Facilities (AWT) 41-E	37,000	1,497	35,503	4.0%
15-5061-**-***	Mileage	500	124	376	0.0%
15-5076-**-***	SCADA Infrastructure	30,500	-	30,500	0.0%
15-5303-**-***	Group Insurance Waiver	3,600	914	2,686	25.4%
15-5305-**-***	Medicare Tax Payments for Employees	1,336	476	860	35.6%
15-5705-**-***	Monthly Car Allowance	4,204	1,066	3,138	25.4%
15-6500-**-***	IT Allocations in to PC's & Depts.	116,012	21,148	94,864	18.2%
	Total Other Expenses	1,292,328	245,627	1,046,701	19.0%
	Total Expenses	2,772,280	597,732	2,174,548	21.6%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020
(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	390,261	1,331,635	22.7%
17-5001-**-**	Overtime Salaries-O&M	66,064	13,503	52,561	20.4%
17-5306-**-**	Scheduled Holiday Work	14,880	8,629	6,251	58.0%
17-5315-**-**	Comp Time - O&M	2,564	1,320	1,244	0.0%
17-5401-**-**	Fringe Benefits IN to PC's & Depts.	906,456	205,446	701,010	22.7%
17-5700-**-**	Standby Pay	25,356	7,313	18,044	28.8%
	Total Payroll Costs	2,737,216	626,471	2,110,745	22.9%
Other Expenses					
17-5002-**-**	Electricity	350,000	128,727	221,273	36.8% (7)
17-5003-**-**	Natural Gas	109,996	22,118	87,878	20.1%
17-5004-**-**	Potable & Reclaimed Water	28,000	7,931	20,069	28.3%
17-5005-**-**	Co-generation Power Credit	(669,000)	(119,880)	(549,120)	17.9%
17-5006-**-**	Chlorine/Sodium Hypochlorite	380,000	101,050	278,950	26.6%
17-5007-**-**	Polymer Products	460,000	71,380	388,620	15.5%
17-5008-**-**	Ferric Chloride	265,004	63,693	201,311	24.0%
17-5009-**-**	Odor Control Chemicals	43,996	6,599	37,397	15.0%
17-5010-**-**	Other Chemicals - Misc.	1,996	-	1,996	0.0%
17-5011-**-**	Laboratory Services	17,072	3,111	13,961	18.2%
17-5012-**-**	Grit Hauling - 21A	50,000	7,463	42,537	14.9%
17-5013-**-**	Landscaping	74,996	51,194	23,802	68.3% (8)
17-5015-**-**	Management Support Services	21,000	99	20,901	0.5%
17-5017-**-**	Legal Fees	5,004	9,111	(4,107)	182.1%
17-5019-**-**	Contract Services Misc.	95,000	22,036	72,964	23.2%
17-5021-**-**	Small Vehicle Expense	7,000	169	6,831	2.4%
17-5022-**-**	Miscellaneous Expense	7,000	421	6,579	6.0%
17-5023-**-**	Office Supplies - All	11,000	3,300	7,700	30.0%
17-5024-**-**	Petroleum Products	20,000	1,579	18,421	7.9%
17-5025-**-**	Uniforms	27,004	5,347	21,657	19.8%
17-5026-**-**	Small Vehicle Fuel	9,004	1,169	7,835	13.0%
17-5027-**-**	Insurance - Property/Liability	115,592	30,833	84,759	26.7%
17-5028-**-**	Small Tools & Supplies	29,000	2,741	26,259	9.5%
17-5030-**-**	Trash Disposal	1,996	265	1,731	13.3%
17-5031-**-**	Safety Program & Supplies	40,504	12,281	28,223	30.3% (2)
17-5032-**-**	Equipment Rental	3,004	-	3,004	0.0%
17-5033-**-**	Recruitment	1,004	-	1,004	0.0%
17-5034-**-**	Travel Expense/Tech. Conferences	9,496	257	9,239	2.7%
17-5035-**-**	Training Expense	12,700	1,382	11,318	10.9%
17-5036-**-**	Laboratory Supplies	23,672	2,149	21,523	9.1%
17-5037-**-**	Office Equipment	50,000	6,544	43,456	13.1%
17-5038-**-**	Permits	21,508	1,969	19,539	9.2%
17-5039-**-**	Membership Dues/Fees	4,860	1,892	2,968	38.9%
17-5049-**-**	Biosolids Disposal	905,000	174,816	730,184	19.3%
17-5050-**-**	Contract Services Generators - 29A	8,000	-	8,000	0.0%
17-5052-**-**	Janitorial Services	41,000	9,032	31,968	22.0%
17-5053-**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%
17-5054-**-**	Diesel Truck Maint	19,000	2,069	16,931	10.9%
17-5055-**-**	Diesel Truck Fuel - 37B	8,004	1,882	6,122	23.5%
17-5056-**-**	Maintenance Equip. & Facilities (Solids)	206,000	65,148	140,852	31.6%
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)	236,000	56,908	179,092	24.1%
17-5058-**-**	Maintenance Equip. & Facilities (Common)	34,000	32,516	1,484	95.6% (8)
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	591,000	61,312	529,688	10.4%
17-5060-**-**	Maintenance Equip. & Facilities (AWT)	38,000	19,064	18,936	50.2% (9)
17-5061-**-**	Mileage	1,004	480	524	47.8%
17-5068-**-**	MNWD Potable Water Supplies & Svcs.	42,000	4,298	37,702	10.2%
17-5076-**-**	SCADA Infrastructure	30,504	-	30,504	0.0%
17-5077-**-**	IT Direct	5,004	10	4,994	0.2%
17-5105-**-**	Co-Generation Power Credit - Offset	669,000	119,880	549,120	17.9%
17-5303-**-**	Group Insurance Waiver	7,200	1,828	5,372	25.4%
17-5309-**-**	Operating Leases	6,004	-	6,004	0.0%
17-5705-**-**	Monthly Car Allowance	8,388	2,132	6,256	25.4%
17-6241-**-**	Education Reimbursement	-	161	(161)	0.0%
17-6500-**-**	IT Allocations in to PC's & Depts.	212,628	38,760	173,868	18.2%
	Total Other Expenses	4,760,144	1,037,226	3,722,918	21.8%
	Total Expenses	7,497,360	1,663,697	5,833,663	22.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020
(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	-	1,384	0.0%
21-5401-**-***	Fringe Benefits IN to PC's & Depts.	732	-	732	0.0%
	Total Payroll Costs	2,116	-	2,116	0.0%
Other Expenses					
21-5014-**-***	Engineering - Misc.	-	-	-	0.0%
21-5019-**-***	Contract Services Misc. - 29	1,004	-	1,004	0.0%
21-5027-**-***	Insurance - Property/Liability	968	258	710	26.7%
21-5035-**-***	Training Expense	-	53	(53)	0.0%
	Total Other Expenses	1,972	311	1,661	15.8%
	Total Expenses	4,088	311	3,777	7.6%
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-***	Regular Salaries-O&M	103,084	31,802	71,282	30.9%
24-5001-**-***	Overtime Salaries-O&M	1,576	298	1,278	18.9%
24-5306-**-***	Scheduled Holiday Work	168	292	(124)	0.0%
24-5401-**-***	Fringe Benefits IN to PC's & Depts.	54,264	16,742	37,522	30.9%
	Total Payroll Costs	159,092	49,135	109,957	30.9%
Other Expenses					
24-5015-**-***	Management Support Services	80,000	122	79,878	0.2%
24-5017-**-***	Legal Fees	2,008	-	2,008	0.0%
24-5027-**-***	Insurance - Property/Liability	8,556	2,282	6,274	26.7%
24-5031-**-***	Safety Supplies	1,004	-	1,004	0.0%
24-5034-**-***	Travel Expense/Tech. Conferences	2,004	-	2,004	0.0%
24-5035-**-***	Training Expense	2,004	53	1,951	2.6%
24-5036-**-***	Laboratory Supplies	24,500	3,263	21,237	13.3%
24-5038-**-***	Permits	199,000	-	199,000	0.0%
24-5039-**-***	Membership Dues/Fees	5,564	-	5,564	0.0%
24-5044-**-***	Offshore Monitoring	22,004	15,110	6,894	68.7% (4)
24-5046-**-***	Effluent Chemistry	20,000	1,481	18,519	7.4%
24-5058-**-***	Maintenance Equip. & Facilities (Common) 41-C	1,004	-	1,004	0.0%
24-5067-**-***	Port Cleaning	35,000	-	35,000	0.0%
24-5802-**-***	Shipping/Freight	100	-	100	0.0%
24-6500-**-***	IT Allocations in to PC's & Depts.	12,728	2,320	10,408	18.2%
	Total Other Expenses	415,476	24,632	390,844	5.9%
	Total Expenses	574,568	73,767	500,801	12.8%
	Total O&M Expenses	17,719,855	3,852,683	13,867,172	21.7%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2020

- (1) Small vehicle repair paid for by outside party
- (2) Replace of old equipment and PPE happens in July each year.
- (3) SOCWA air quality permits are primarily paid in July and November each year..
- (4) Annual, one time cost for kelp overflight required by the NPDES permit.
- (5) The surge tower site was re-fenced and cleared to discourage unauthorized entry.
- (6) Additional fuel purchases have been required at CTP due to several extended power outages.
- (7) Engine repairs and equipment overhauls have required engine shutdowns and electricity purchases.
- (8) Tree removal and water line repairs to support an emergency repair at RTP.
- (9) Purchasing related to valves and actuators replacement at AWT.
- (10) PC12 agreements review.

South Orange County Wastewater Authority
Budget vs. Actual Comparison - Engineering
 For the Period Ended September 30, 2020
 (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	42,752	154,084	21.7%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	103,621	22,506	81,115	21.7%
	Total Payroll Costs	300,457	65,257	235,200	21.7%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	3,184	257	2,927	8.1%
01-5023-03-00-00	Office Supplies - All	208	-	208	0.0%
01-5031-03-00-00	Safety Supplies	306	-	306	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,439	-	6,439	0.0%
01-5035-03-00-00	Training Expense	2,244	-	2,244	0.0%
01-5037-03-00-00	Office Equipment	408	-	408	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,377	-	1,377	0.0%
01-5061-03-00-00	Mileage	510	-	510	0.0%
01-5309-03-00-00	Operating Leases	6,829	2,210	4,619	32.4%
01-5705-03-00-00	Monthly Car Allowance	4,200	1,066	3,134	25.4%
01-5802-03-00-00	Shipping/Freight	312	-	312	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	50,794	9,259	41,535	18.2%
	Total Other Expenses	76,810	12,793	64,018	16.7%
	Total Engineering Expenses	377,267	78,050	299,218	20.7%

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
 For the Period Ended September 30, 2020
 (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	230,129	714,413	24.4%
01-6001-04-00-00	Overtime Salaries-Admin or IT	20,000	11,905	8,095	59.5% (1)
01-6315-04-00-00	Comp Time - Admin	15,000	1,554	13,446	10.4%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	497,236	121,147	376,089	24.4%
	Total Payroll Costs	1,476,778	364,735	1,112,043	24.7%
Other Expenses					
01-5018-04-00-00	Public Notices/ Public Relations	-	2,180	(2,180)	0.0% (2)
01-6101-04-00-00	HR Recruitment & Employee Relations	26,500	-	26,500	0.0%
01-6102-04-00-00	Subscriptions	2,040	1,097	943	53.8%
01-6200-04-00-00	Management Support Services	102,000	5,494	96,506	5.4%
01-6201-04-00-00	Audit	44,900	15,000	29,900	33.4%
01-6202-04-00-00	Legal	200,000	110,191	89,809	55.1%
01-6204-04-00-00	Postage	4,000	44	3,956	1.1%
01-6223-04-00-00	Office Supplies - Admin	6,120	2,820	3,300	46.1%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	223	777	22.3%
01-6234-04-00-00	Memberships & Trainings	88,950	2,961	85,989	3.3%
01-6239-04-00-00	Travel & Conference	10,965	299	10,666	2.7%
01-6241-04-00-00	Education Reimbursement	3,000	-	3,000	0.0%
01-6310-04-00-00	Miscellaneous	23,460	5,357	18,103	22.8%
01-6311-04-00-00	Mileage	1,211	-	1,211	0.0%
01-6317-04-00-00	Contract Services Misc	5,610	1,275	4,335	22.7%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	116,635	21,262	95,373	18.2%
01-6601-04-00-00	Shipping/Freight	3,740	514	3,226	13.7%
01-6705-04-00-00	Monthly Car Allowance	12,000	3,046	8,954	25.4%
	Total Other Expenses	652,131	171,763	480,368	26.3%
Total Admin Expenses		2,128,909	536,497	1,592,412	25.2%

(1) Overtime salary and comp should be considered together, 38.5%

(2) Publication fee for ordinance

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
 For the Period Ended September 30, 2020
 (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	26,050	67,859	27.7%
01-6001-05-00-00	Overtime Salaries-Admin or IT	-	-	-	0.0%
01-6315-05-00-00	Comp Time - IT	5,000	-	5,000	0.0%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	49,437	13,713	35,724	27.7%
	Total Salary & Fringe	148,346	39,763	108,583	26.8%
Other Expenses					
01-5028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-5035-05-00-00	Training Expense	2,000	-	2,000	0.0%
01-5037-05-00-00	Office Equipment	600	-	600	0.0%
01-6234-05-00-00	Memberships & Trainings	1,375	-	1,375	0.0%
01-6239-05-00-00	Travel & Conference	1,750	-	1,750	0.0%
01-6300-05-00-00	Software Maintenance Agreements	38,779	16,948	21,831	43.7% (1)
01-6301-05-00-00	Hardware Maintenance Agreements	7,126	602	6,524	8.5%
01-6302-05-00-00	Cloud Subscriptions (Internet)	148,369	2,320	146,049	1.6%
01-6303-05-00-00	Telecommunications	150,534	33,915	116,619	22.5%
01-6305-05-00-00	IT Professional Services	108,060	17,972	90,088	16.6% (2)
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	29,200	4,475	24,725	15.3%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	26,908	2,059	24,849	7.7%
01-6308-05-00-00	IT Memberships	160	-	160	0.0%
01-6309-05-00-00	Operating Leases	55,200	12,165	43,035	22.0% (3)
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	0.0%
01-6312-05-00-00	Computer & Photocopy Supplies	-	1,836	(1,836)	0.0%
	Total Other Expenses	576,061	92,291	483,770	16.0%
	Total Expenses before Allocation	724,407	132,054	592,353	18.2%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(724,407)	(132,054)	(592,353)	18.2%
	Total IT Allocations (Out) to PC's & Depts	(724,407)	(132,054)	(592,353)	18.2%

- (1) Annual subscription costs that renew at the beginning of the fiscal year.
- (2) Costs for server rack migration and wiring clean-up at CTP and RTP.
- (3) Annual service contract for facility printer/copiers.

Agenda Item

4e

Board of Directors Meeting

Meeting Date: November 5, 2020

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: September 2020 Operations Report

Summary/Discussion

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

1. Monthly Operational Report

A nine (9) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculation used by SOCWA for billing the agencies. Other items include important statistics for regulatory compliance, visits by the public to the treatment works, and other vendor interactions. The information is broken down by facility and by member agency.

2. SOCWA Ocean Outfall Discharges by Agency

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

3. Quarterly Report on Key Operational Expenses

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

4. Beach Ocean Monitoring Report

5. Recycled Water Report

6. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report September, 2020

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	2.39	7.74	5.89	1.38	17.40
Effluent (mgd)	2.12	1.31	5.89	0.00	9.32
Peak Flow (mgd)	6.00	20.30	13.09	0.03	39.42
Influent BOD (mg/l)	246	252	261	412	
Influent TSS (mg/l)	376	324	614	814	
Effluent BOD (mg/l)	5.4	4.7	6.5	ND(2)	
Effluent TSS (mg/l)	5.8	4.3	6.9	ND(2)	
Effluent Turbidity (NTU)	2.6	2.9	2.6	ND(2)	

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

(2) No discharge from Plant 2 due to construction project.

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	1.07	6.44		7.51
Days of Operation (days)	29	30		
Total Flow (million gallons)	32.1	193.1		225.2
Plant Irrigation (million gallons)	0.00	0.12	0.21	
AWT Time Online (%)	100.0	98.4		

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 September, 2020 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		763.6	0.0	763.6
Nursery Products (tons)		430.3	633.6	1,063.9
Prima Deshecha (tons)		0.0	NA	0.0
Other: (tons)		0.0	0.0	0.0
Total Processed (tons)		0.0	0.0	0.0

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	80	180	70	330
Corrective Maintenance	14	51	43	108

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	1	1
Member Agency	1	0	1	2
Residents	0	0	0	0
Others	3	2	6	11
Tours #/Visitors	0	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	6.0	22.2	NA	28.2

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	NA	NA
Utility Power Purchase (kWh)	189,012	34,447	243,714	467,173
Cogen Power (kWh)		596,474	440,784	1,037,258
Natural Gas (Dth)	1		1,860	1,861
Digester Gas to Engine (scfm)		8,543,898	5,085,444	13,629,342
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		104,186	252,048	356,234
Digester Gas Power Savings		\$60,073		

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 September, 2020 (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	1.651	66.61%				1.65
EBSB	0.110	4.43%				0.11
SCWD	0.718	28.96%		2.096	28.83%	2.81
MNWD	0.000	0.00%	7.74	1.400	19.26%	9.14
CSJC				2.138	29.41%	2.14
SMWD				1.636	22.50%	1.64
Total	2.478	100.00%	7.74	7.270	100.00%	17.49

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.65	28.37%	1.65	
EBSB				0.11	1.89%	0.11	
SCWD	2.30	22.30%		0.27	4.66%	2.57	Includes Desalters
MNWD	1.88	18.26%		1.31	22.45%	3.19	
ETWD				1.52	26.21%	1.52	Direct Outfall Only
CSJC	2.14	20.75%				2.14	Includes Desalter
SMWD	1.77	17.17%				1.77	Includes Chiquita
CSC	2.22	21.52%				2.22	Direct Outfall Only
IRWD				0.96	16.42%	0.96	Direct Outfall Only
Total	10.31	100.00%	12.18	5.82	100.00%	16.13	

SOCWA Operational Report September, 2020 (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%	2.138	29.41%	2.14	30.67%
MNWD	3.00	23.08%	1.400	22.36%	1.400	19.26%	1.40	20.03%
SCWD	3.75	28.85%	1.691	27.01%	2.096	28.83%	1.86	26.63%
SMWD	2.25	17.31%	1.100	17.57%	1.636	22.50%	1.58	22.67%
Total	13.00	100.00%	6.261	100.00%	7.270	100.00%	6.99	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
CSJC	11,572	30.00%	5,706	27.34%	5,732	20.41%	5,938	27.37%
MNWD	8,340	21.62%	3,859	18.49%	5,715	20.35%	5,699	26.27%
SCWD	7,715	20.00%	5,181	24.83%	9,964	35.47%	5,811	26.79%
SMWD	10,946	28.38%	6,122	29.34%	6,678	23.77%	4,245	19.57%
Total	38,573	100.00%	20,868	100.00%	28,091	100.00%	21,693	100.00%

Project Committee No. 5 - Effluent Pumping Station (SJCOO EPS)

Agency	Own (%)	Variable Budget (mgd)	Variable Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	Month EPS Outfall Flow (mgd)	Month EPS Outfall Flow (%)
CSC	16.62%	2.867	23.61%	2.218	21.52%		
CSJC	11.08%	2.460	20.26%	2.138	20.75%	2.14	29.41%
MNWD(3)	15.51%	2.115	17.42%	1.883	18.26%	1.40	19.26%
SCWD	12.47%	1.845	15.20%	2.298	22.30%	2.10	28.83%
SMWD	44.32%	2.855	23.51%	1.770	17.17%	1.64	22.50%
Total	100.00%	12.142	3.10%	10.308	100.00%	7.27	100.00%

(1) Influent billing meter summary:

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

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

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

SOCWA Operational Report September, 2020 (cont'd)

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

Project Committee No. 5 - Outfall (SJCOO)

Agency	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)	FY Avg EPS Outfall Flow (mgd)	FY Avg EPS Outfall Flow (%)
CSC	2.266	22.44%		
CSJC	2.383	23.60%	2.14	30.67%
MNWD	1.695	16.78%	1.40	20.03%
SCWD	2.063	20.43%	1.86	26.63%
SMWD	1.692	16.75%	1.58	22.67%
Total	10.100	100.00%	6.99	100.00%

Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	2.54	37.91%	1.620	60.25%	1.651	66.61%	1.705	61.46%
EBSD	0.20	2.99%	0.050	1.86%	0.110	4.43%	0.117	4.23%
SCWD	2.00	29.85%	1.019	37.90%	0.718	28.96%	0.952	34.31%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.689	100.00%	2.478	100.00%	2.774	100.00%

Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.01422	0.187%	0.0000	0.0168	0.0168	0.21%	0.0160	0.20%
EBSD	0.00044	0.006%	0.0000	0.0011	0.0011	0.01%	0.0011	0.01%
SCWD	0.00893	0.118%	0.0000	0.0073	0.0073	0.09%	0.0088	0.11%
ETWD	0.01411	0.186%	0.0000	0.0165	0.0165	0.21%	0.0159	0.20%
MNWD	7.55200	99.503%	7.7433	0.0629	7.8062	99.47%	7.8006	99.47%
Total	7.58970	100.000%	7.7433	0.1047	7.8480	100.00%	7.8422	100.00%

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

SOCWA Operational Report September, 2020 (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%	152,808	16.08%	152,764	15.40%
EBSD	295	0.59%	5,701	15.15%	10,165	1.07%	10,492	1.06%
SCWD	4,480	8.96%	180	0.48%	66,425	6.99%	84,352	8.51%
ETWD	10,200	20.41%	22,346	59.39%	150,037	15.79%	151,914	15.32%
MNWD	29,395	58.82%	3,626	9.64%	570,865	60.07%	592,199	59.71%
Total	49,975	100.00%	37,623	100.00%	950,299	100.00%	991,721	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%	1.651	28.37%	1.705	29.95%
EBSD	0.780%	0.05	0.47%	0.110	1.89%	0.117	2.06%
ETWD	16.302%	2.46	23.08%	1.525	26.21%	1.404	24.66%
IRWD	15.760%	2.48	23.26%	0.955	16.42%	1.067	18.74%
MNWD	43.848%	3.08	28.89%	1.306	22.45%	1.316	23.11%
SCWD	12.310%	0.70	6.57%	0.271	4.66%	0.084	1.47%
Total	100.000%	10.66	100.00%	5.817	100.00%	5.693	100.00%

SOCWA Operational Report September, 2020

Select Critical Equipment Repairs

JBL - PC2

Removed and replaced Aeration Tank 1 sump pump piping due to corrosion-based failure.
Replaced 4 Side Bar Rake bearing and sprockets which had failed and caused misalignment.
Repaired and installed a new 4-Side Grit Tank Airline, which had failed due to corrosion.
Coated 4 Side Grit Tank, which had a failing coating.
Replaced vent and vacuum breaker for Digester 3, which had failed.
Completely fabricated and rehabilitated new Mix Liquor Channel airline, which was virtually nonexistent due to corrosion.
Installed a new Waste Gas Burner piping bypass, which had previously become blocked with debris and corrosion.
Replaced 4-Side hose bib water line due to broken piping failure.
Replaced Aerzen blowers discharge piping supports, which were causing buckling of the line due to placement.
Replaced the Bleach Bulk Storage Tank Y-strainer, which had failed.
Cleaned and prepared Scum pit for the upcoming coating project.

CTP - PC15

Disassembled emergency trash pump due to mechanical serial and rubber flap failure.
Cleared rooftop drains and gutters and storm drain system, which was becoming clogged with debris.
Utilized the Jetter to clear scrubber drain lines, which had become clogged.
Entered East secondary tank 1 to replace a 3" scum trough washout ball valve.
Replaced the scrubber soft water flow meter with a rotary meter due to meter inaccuracy.
Assisted the AMS contractors with installing four new headworks fresh air supply fans.
Maintenance removed a 4" abandoned water line and gate valve from Building 10 and capped multiple conduit lines before pouring new concrete.
Excavated the upper canyon flood control area of dirt and debris collecting in the channels.
Installed a new motor on the scrubber stage 1 caustic pump.
Repaired a bleach line leak on the (RAS) recirculated activated sludge channel supply line.

RTP - PC17

Installed pig barrier to divert water in centrifuge room to drains, water pools in areas, and leaks through the second floor into maintenance shop and offices.
Replaced failed nitrate probe skid with pump system due to old probe enduring excessive sand and debris damage.
Replaced the Muffin Monster comminutor with stainless steel components due to old components having excessive corrosion.
Installed new piping, isolation, and check valves for the SET Sump Pit due to excessive corrosion.
Fabricated new influent and effluent gates for Grit Tanks 1, 2, and 3 with lighter materials to address operational safety concerns.

SOCWA Operational Report September, 2020 (cont'd)

Select Critical Equipment Repairs (cont'd)

RTP - PC17 (cont'd)

Installed new stainless-steel bins and installed drainage due to old ones becoming dilapidated and corroded.

Replaced an AWT 2 waste valve, which had failed due to valve seat damage.

Removed failed aeration panels out of Aeration Tank 4 and prepared them for reskinning.

Replaced all airlines on AWT 2 Filter Cell 2, which had become broken and caused air pressure loss.

Unplugged sand from the bottom of the DAFT, which had become full from normal operation.

Support Services - ALL PC'S

Installed SCADA screen upgrades and standardizations at CTP.

Troubleshoot VM AutoStart after a power outage at JBL.

Troubleshoot alarm dialer issue with phone lines at CTP.

Troubleshoot Bar Screen alarm dialing out constantly at JBL.

Worked on Plant 2 Headworks Automation at JBL.

Troubleshoot Waste Gas Burner not turning on with preset setpoints at JBL.

Performed troubleshooting of the SET pump run protocols at RTP.

Fixed trending screens not navigating at RTP.

Demo of CTP Headworks basement overhead door for new door and controls installation.

Performed quarterly calibration of liquids Vapex unit at JBL.

Installed new cable and battery of Generator 35 due to damaged components.

Repaired plant sump pump controller at JBL.

Performed repairs for thermal imaging test results on Blower 2 and filter pumps 1 & 2 at CTP.

Replaced 4-side Blower 6 Contactor, which shorted out at JBL.

Installed new 4 and 9-side Headworks gas sensor control panels at JBL.

Replaced Cogen Building air compressor electrical starter, which had shorted out at JBL.

Replaced Scrubber Stage 1 Motor, which had an excessive draw at JBL.

Installed a new starter and transformer for Scum Pump 1 at JBL.

Replaced 4 Side wash solenoid at JBL.

Troubleshoot compressor losing pressure for AWT at RTP.

Performed testing infrared imaging repairs at all three treatment plants.

Troubleshoot chiller breaker tripping for Gas Skid Chiller 1 at RTP.

Replaced west Mixed Liquor Suspended solids probe for erratic reads at CTP.

Troubleshoot high glycol temp trip, which had caused the gas skid to trip.

Calibrated the CEMS NOX analyzers, which had become inaccurate.

Repaired sample gas line fitting, which was leaking on JBL Steuler.

Troubleshoot and repaired failing flow meter on the Steuler unit at RTP.

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

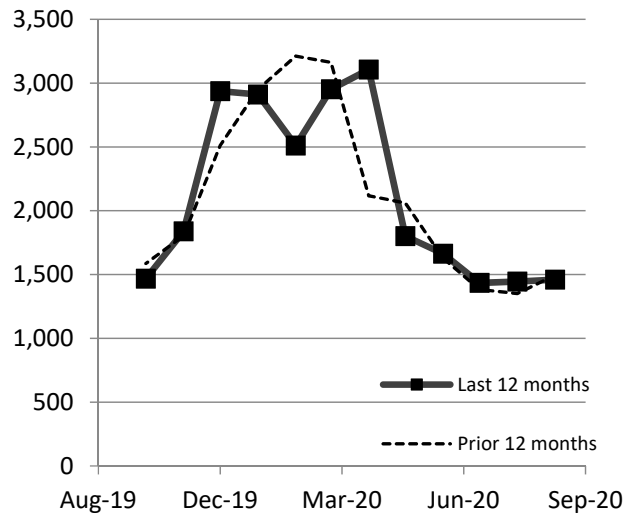
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report September, 2020

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.65	28.37%	1.65
EBSD			0.11	1.89%	0.11
SCWD	2.30	22.30%	0.27	4.66%	2.57
MNWD	1.88	18.26%	1.31	22.45%	3.19
ETWD			1.52	26.21%	1.52
CSJC	2.14	20.75%			2.14
SMWD	1.77	17.17%			1.77
CSC	2.22	21.52%			2.22
IRWD			0.96	16.42%	0.96
Total	10.31	100.00%	5.82	100.00%	16.13
or Acre-Feet per year equivalent					18,060

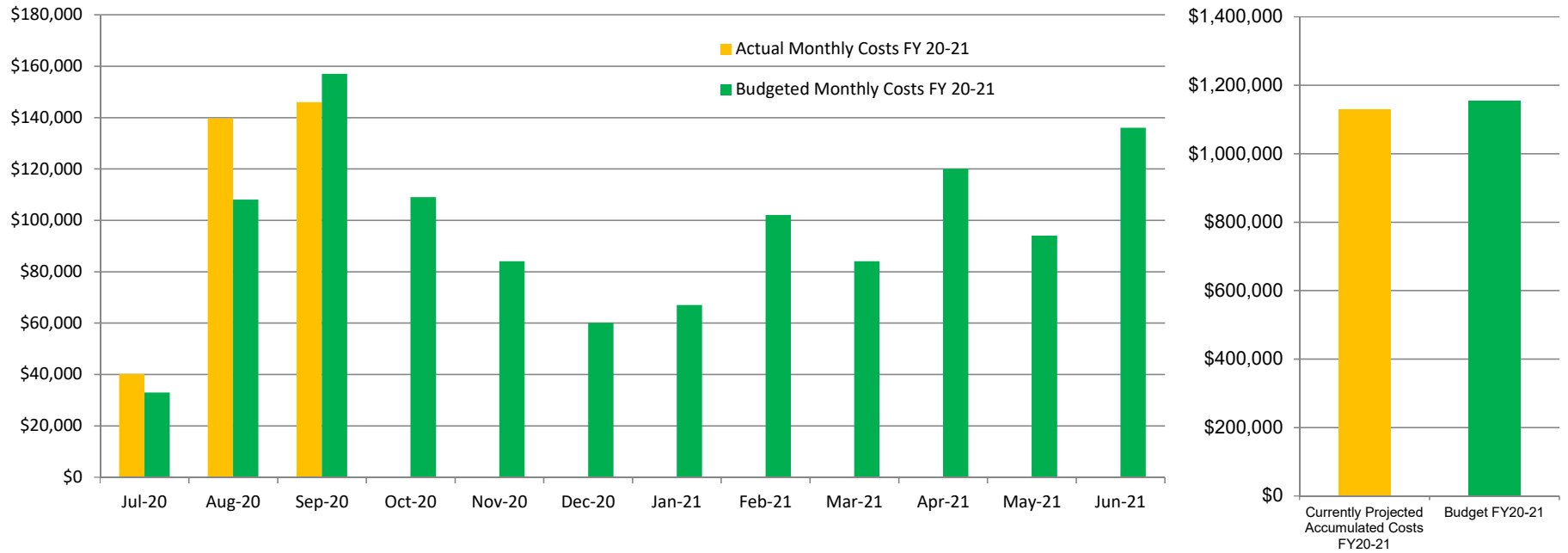
12-Month Running Total Discharge to Ocean Outfalls (AF)

Sep-20	1,460
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	2,511
Jan-20	2,911
Dec-19	2,937
Nov-19	1,839
Oct-19	1,468
Total	25,527



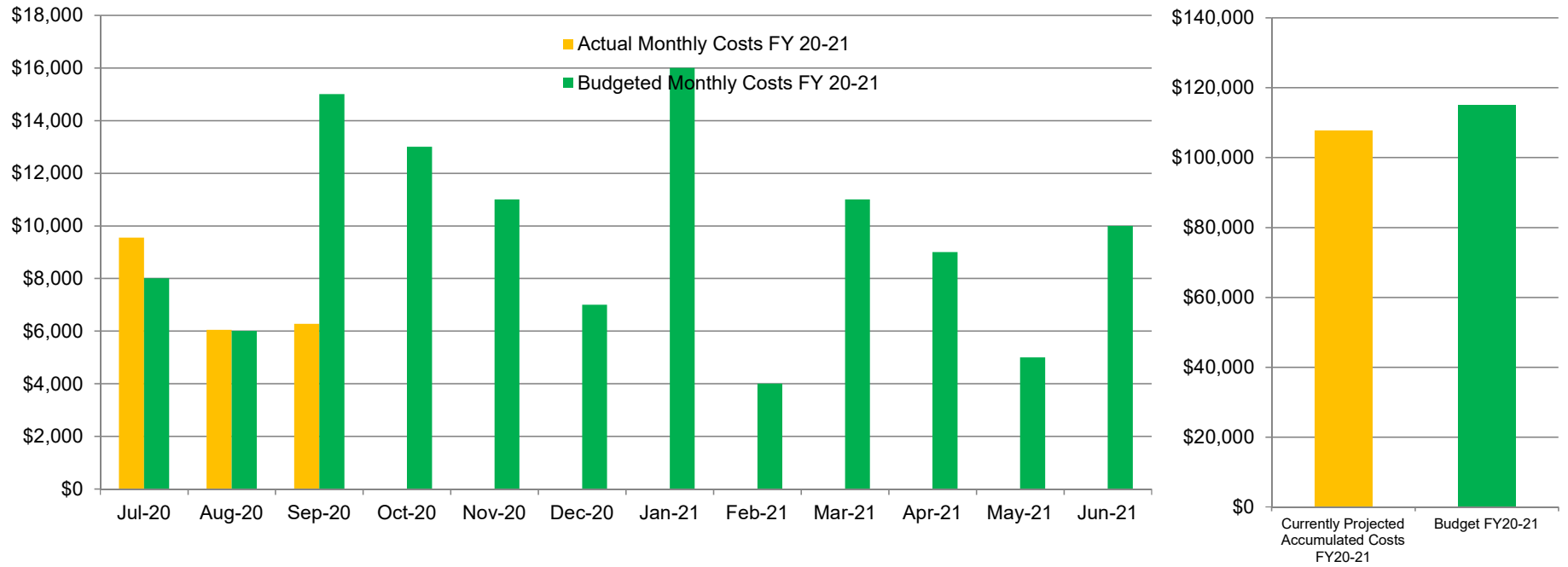
Quarterly Report on Key Operational Expenses

Electricity (5002) Costs



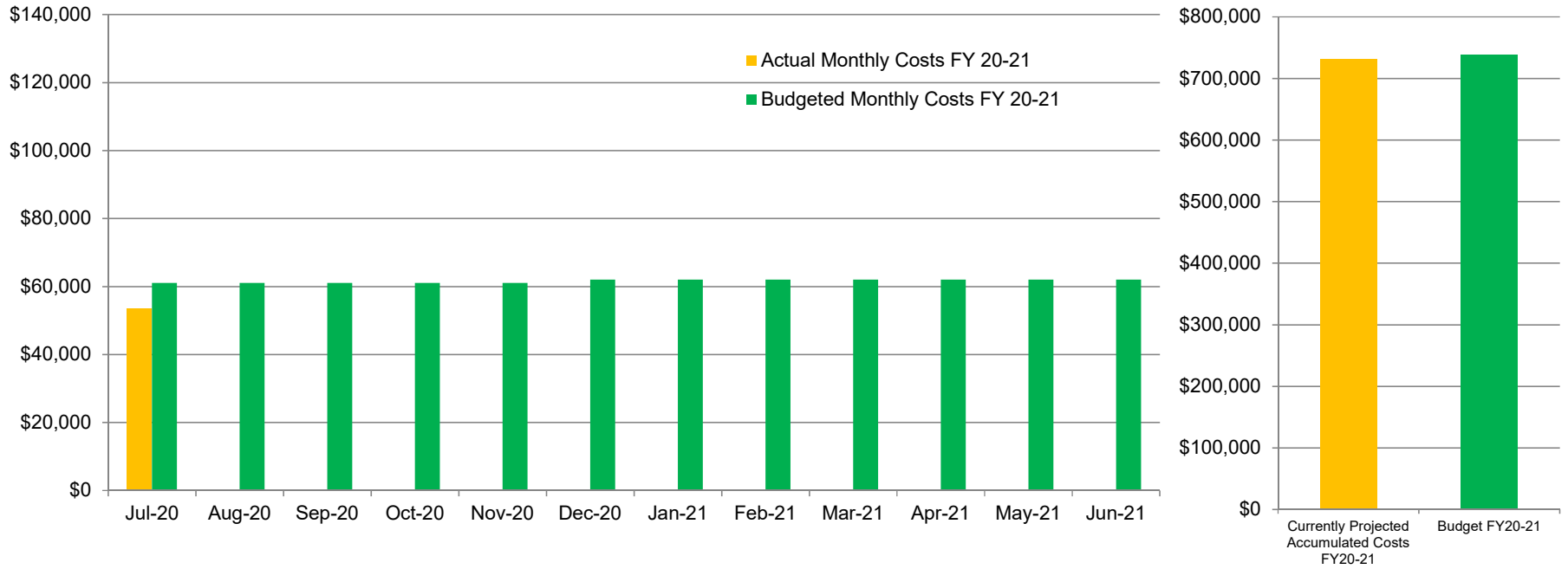
	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Currently Projected Accumulated Costs FY20-21	\$1,129,662
Actual Monthly Costs FY 20-21	\$40,080	\$139,624	\$145,958										Budget FY20-21	\$1,154,000
Budgeted Monthly Costs FY 20-21	\$33,000	\$108,000	\$157,000	\$109,000	\$84,000	\$60,000	\$67,000	\$102,000	\$84,000	\$120,000	\$94,000	\$136,000	Currently Projected Under(+)/Over (-) Budget	\$24,338

Odor Control (5009) Costs



	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Currently Projected Accumulated Costs FY20-21	Budget FY20-21
Actual Monthly Costs FY 20-21	\$9,547	\$6,050	\$6,277										\$107,874	\$115,000
Budgeted Monthly Costs FY 20-21	\$8,000	\$6,000	\$15,000	\$13,000	\$11,000	\$7,000	\$16,000	\$4,000	\$11,000	\$9,000	\$5,000	\$10,000	Currently Projected Under(+)/Over (-) Budget	\$7,126

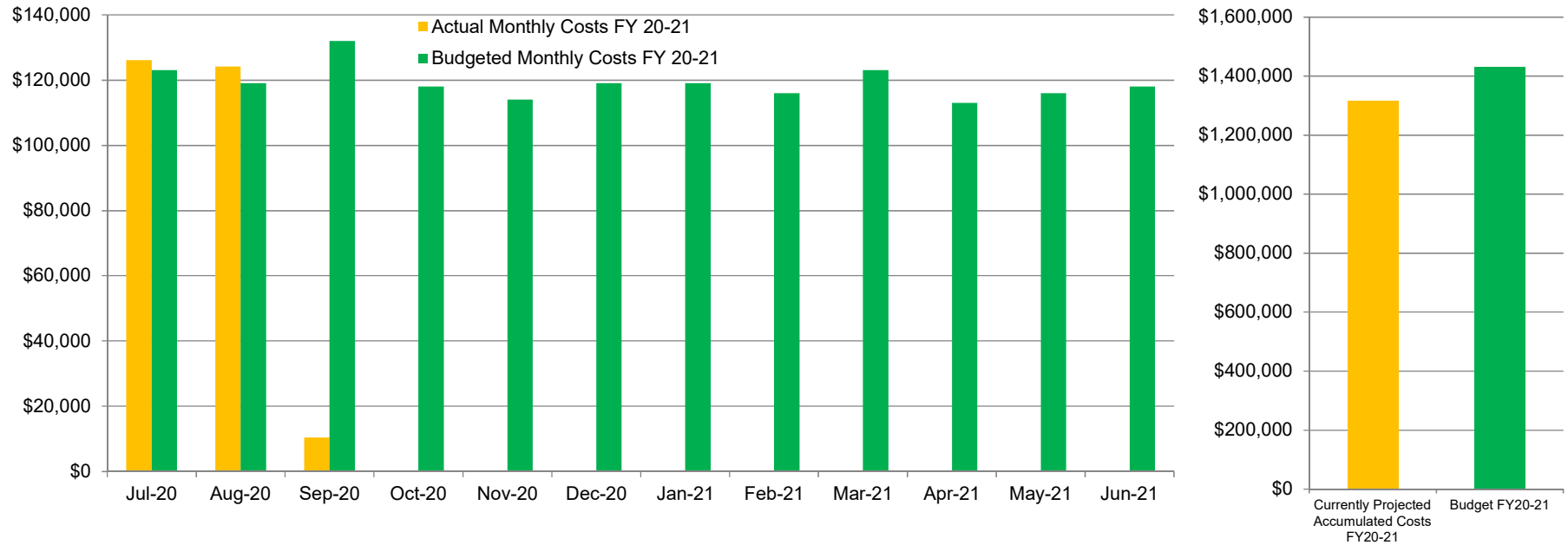
Polymer (5007) Costs



	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Currently Projected Accumulated Costs FY20-21	Budget FY20-21
Actual Monthly Costs FY 20-21	\$53,535												\$731,535	\$739,000
Budgeted Monthly Costs FY 20-21	\$61,000	\$61,000	\$61,000	\$61,000	\$61,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	Currently Projected Under(+)/Over (-) Budget	\$7,465

(1) Vendor invoices outstanding for August and September 2020.

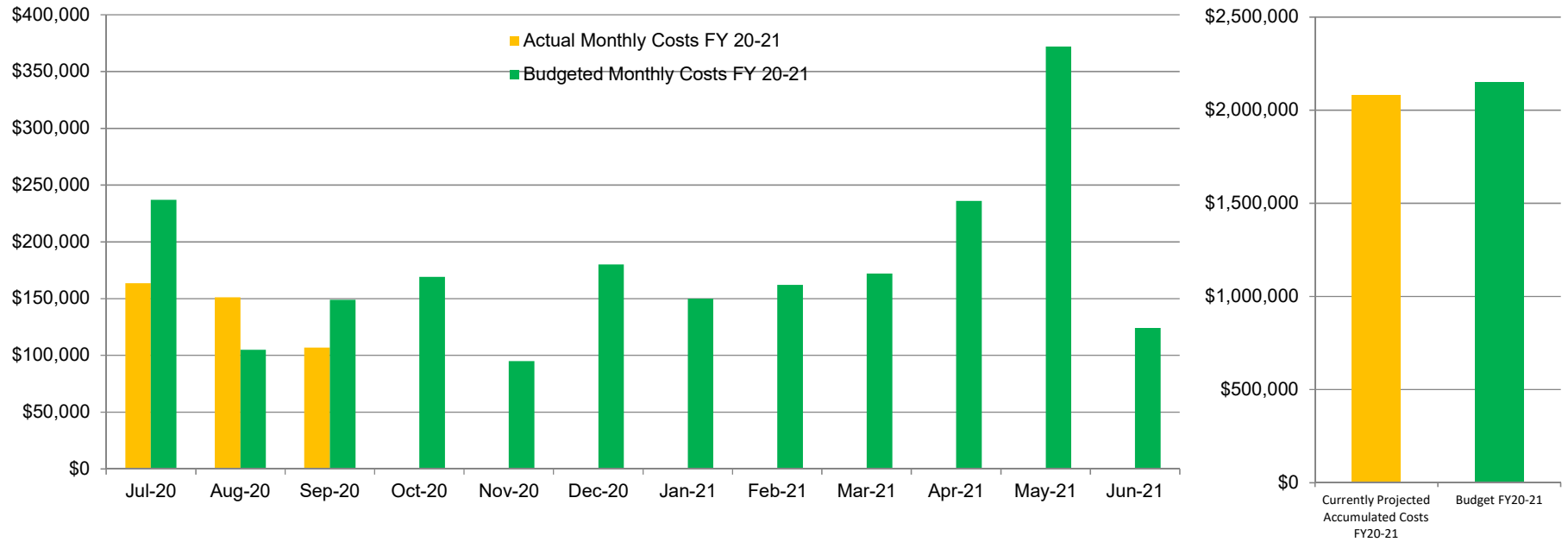
Biosolids (5049) Costs



	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Currently Projected Accumulated Costs FY20-21	\$1,316,663
Actual Monthly Costs FY 20-21	\$126,075	\$124,148	\$10,440										Budget FY20-21	\$1,430,000
Budgeted Monthly Costs FY 20-21	\$123,000	\$119,000	\$132,000	\$118,000	\$114,000	\$119,000	\$119,000	\$116,000	\$123,000	\$113,000	\$116,000	\$118,000	Currently Projected Under(+)/Over (-) Budget	\$113,337

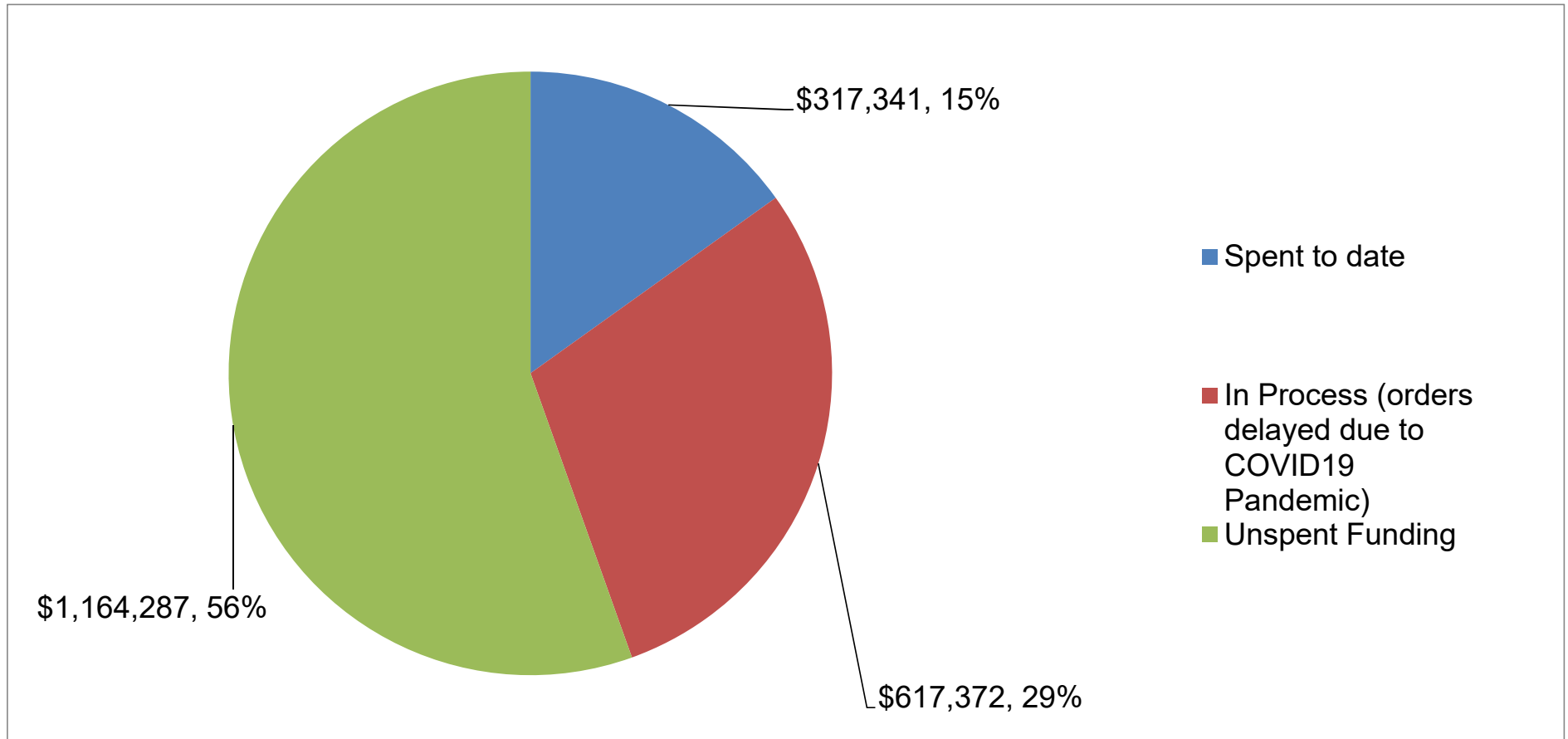
(1) Vendor invoices outstanding for September 2020.

Maintenance Repair (5056 to 5060) Costs



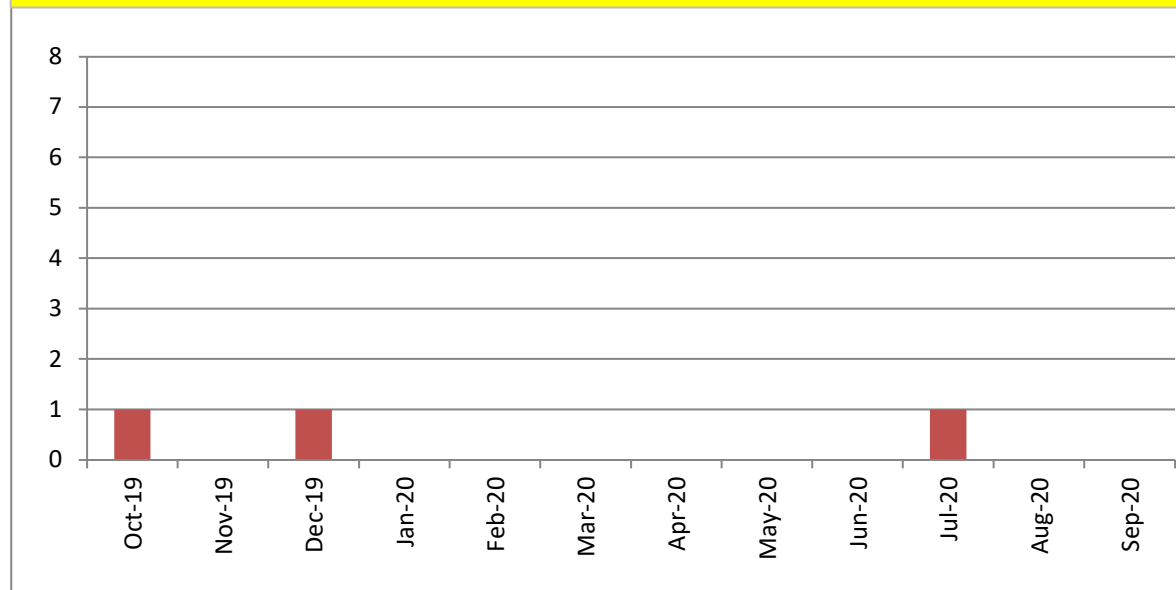
	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Currently Projected Accumulated Costs FY20-21	\$2,081,663
Actual Monthly Costs FY 20-21	\$163,537	\$151,197	\$106,929										Budget FY20-21	\$2,151,000
Budgeted Monthly Costs FY 20-21	\$237,000	\$105,000	\$149,000	\$169,000	\$95,000	\$180,000	\$150,000	\$162,000	\$172,000	\$236,000	\$372,000	\$124,000	Currently Projected Under(+)/Over (-) Budget	\$69,337

FY20-21 Small Internal Capital Costs



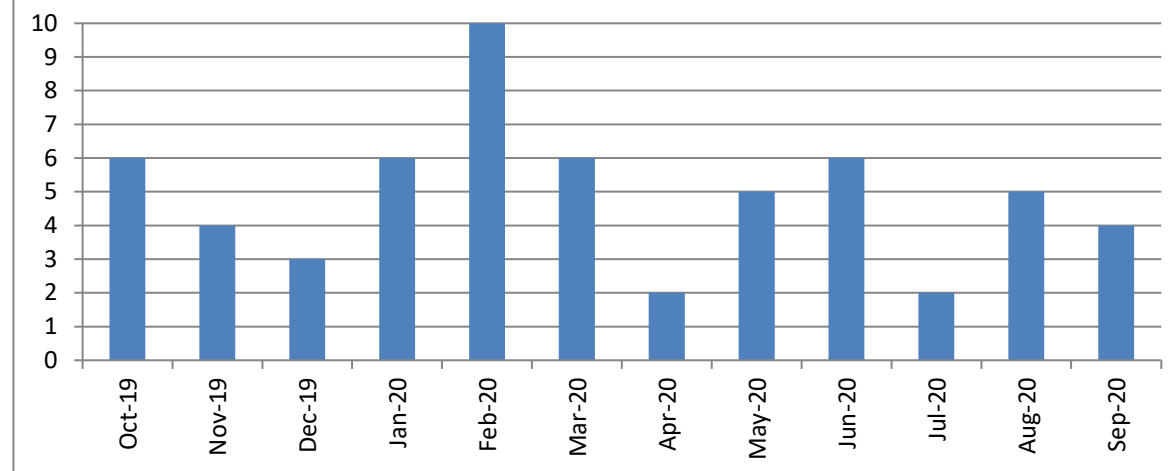
SOCWA SAFETY UPDATE - OCTOBER 1, 2020

OSHA RECORDABLE INJURIES



	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
OSHA RECORDABLE INJURIES	1	0	1	0	0	0	0	0	0	1	0	0

NEAR MISS REPORTS



	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
NEAR MISS REPORTS	6	4	3	6	10	6	2	5	6	2	5	4

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
September '20 - CPR/First Aid/AED Training (Refresher and Initial)	95% (all SOCWA employees)
August '20 - Annual Audiometric Hearing Testing and Training	100%
July '20 - Annual Fire Extinguisher Use Training (Additional training dates pending)	50%
June '20 - Annual 8-HR HAZWOPER Refresher Training (SOCWA Covid-19 ECP Compliant)	95%
May '20 - Make-Up Heat Illness Training (Completed remotely due to Covid-19)	80% (including make-up training)
Apr '20 - Annual Bloodborne Pathogen Training (Completed remotely due to Covid-19)	95% (all SOCWA employees)
Mar '20 - Annual Heat Illness Training	80% (including make-up training)
Feb '20 - Active Shooter/Workplace Violence Training	95%
October '19 - Fall Protection Training, Additional ICS Training, and Spill Training	90%
September '19 - Wildland Fire Training and Additional CPR/First Aid/AED Training	90%
Aug '19 - Initial Confined Space Entry Rescue and Additional Active Shooter Training	95%
July '19 - Annual Fire Extinguisher Training	95%
June '19 - Annual Confined Space Entry Rescue Refresher Training	95%
April '19 - Annual HAZWOPER Refresher Training (8-Hour)	95%
March '19 - Annual Respirator Fit Testing and PPE Use Training	100%
Feb '19 - Annual Bloodborne Pathogens Training and Additional Arc Flash Training	95%
December '18 - Annual Defensive Driving/Distracted Driving/DUIs Training (w/ CHP)	100%
October '18 - Crane Safety	100%
September '18 - Silica Safety Training	100%
August '18 - Fire Awareness Safety for Field Personnel and Lockout/Tagout Training	100%
March '18 - CPR/First Aid/AED Training	100% (all SOCWA employees)
January '18 - Additional ICS Training	100%
January '18 - Respiratory PPE Training/Fit Testing	90%
October '17 - Forklift Training / Certification	100%
September '17 - Active Shooter/Workplace Violence Training	100%
July/August '17 - Spill Response Training (hands on training)	100%
May '17 - Safety Culture Training	100%
March '17 - Fall Protection Training and CPR, First Aid, AED Training	100%
January '17 - Lockout/Tagout Training and Confined Space Rescue Practice/Training	100%
October '16 - Confined Space Awareness/Entry Rescue Training and Forklift Training	100%
May '16 - Entry Level NIMS/ICS Training and Heat Illness Training	100%
February '16 - Biomechanics/Ergonomics Training and Bloodborne Pathogen Training	100%
Oct '15 and Jan '16 - Initial Confined Space Entry Rescue (3-day trainings)	100%
November '15 - Annual Hearing Testing and Laboratory Safety Training	100%
September '15 - Pre-Storm Workshop, Arc Flash Training, and Forklift Training	100%
August '15 - Fire Prevention for Water Utility Field Staff and Disaster Cost Recovery Training	100%
July '15 - Initiate additional NIMS/ICS Training and Water and Power Resiliency Workshop	Ongoing
June '15 - Initial Confined Space Awareness and Non-Entry Rescue Training	100%

Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

September 2020

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	
09/01/20	No Flow				1.666	11.6	4.0	0.1	0.960	3.4	3.0	<0.1	1.710	1.3	2.0	<0.1	0.698	0.669	0.099	4.136	0.00
09/02/20	No Flow				0.958	7.2	3.1	<0.1	0.90	3.3	3.0	0.1	1.976	2.1	3.0	0.1	0.693	0.649	0.116	4.334	0.00
09/03/20	No Flow				1.110	6.4	2.6	<0.1	0.940	3.4	2.0	0.1	1.312	3.1	3.0	0.1	0.696	0.642	0.145	3.735	0.00
09/04/20	No Flow				0.921	5.8	2.7	<0.1	0.760	3.2	3.0	0.2	1.966	6.7	5.0	0.3	0.690	0.642	0.095	4.153	0.00
09/05/20	No Flow				1.397	5.2		<0.1	0.750	3.9	4.0		2.558	5.8	6.0		0.691	0.637	0.001	4.637	0.00
09/06/20	No Flow				0.876	6.6		<0.1	0.630	3.2	10.0	<0.1	0.453	3.2	5.0		0.647	0.632	0.003	2.365	0.00
09/07/20	No Flow				0.821	9.4	3.0	<0.1	0.640	3.2	7.0	0.1	2.522	1.6	3.0	0.1	0.754	0.582	0.002	4.500	0.00
09/08/20	No Flow				2.158	5.6	2.6	0.1	1.290	4.4	3.0	0.1	3.060	3.7	6.0	<0.1	0.352	0.640	0.130	5.472	0.00
09/09/20	No Flow				2.285	5.8	2.5	<0.1	0.880	4.4	3.0	0.1	1.371	9.8	5.0	<0.1	0.339	0.651	0.102	3.343	0.00
09/10/20	No Flow				1.791	9.0	3.7	<0.1	1.080	4.1	3.0	0.2	2.337	2.5	3.0	0.1	0.337	0.649	0.135	4.538	0.00
09/11/20	No Flow				1.505	11.4	4.4	0.1	1.840	3.3	4.0	0.1	2.321	6.1	5.0	0.1	0.339	0.645	0.122	5.267	0.00
09/12/20	No Flow				1.802	11.0		0.1	1.400	3.9	5.0		1.955	6.7	5.0		0.143	0.642	0.110	4.250	0.00
09/13/20	No Flow				1.808	4.6		<0.1	1.420	4.8	5.0	0.1	2.455	1.6	3.0		0.241	0.639	0.094	4.849	0.00
09/14/20	No Flow				2.262	5.2	2.3	<0.1	4.170	4.5	5.0	<0.1	2.620	3.8	4.0	<0.1	0.339	0.638	0.091	7.858	0.00
09/15/20	No Flow				1.664	7.0	3.0	<0.1	2.690	3.6	4.0	0.1	1.241	7.6	5.0	<0.1	0.341	0.635	0.084	4.991	0.00
09/16/20	No Flow				1.844	6.6	2.8	<0.1	0.920	5.0	3.0	0.1	1.159	13.1	9.0	0.1	0.359	0.634	0.138	3.210	0.00
09/17/20	No Flow				1.220	5.0	2.6	<0.1	0.830	4.7	3.0	<0.1	2.306	2.3	3.0	0.2	0.335	0.649	0.126	4.246	0.00
09/18/20	No Flow				1.327	6.2	2.8	<0.1	0.850	5.9	9.0	0.1	2.502	4.3	9.0	0.2	0.340	0.641	0.126	4.459	0.00
09/19/20	No Flow				1.379	7.2		<0.1	0.740	3.5	4.0		1.413	17.8	10.0		0.263	0.638	0.113	3.167	0.00
09/20/20	No Flow				1.796	9.6		<0.1	1.540	3.0	4.0	<0.1	2.647	4.4	5.0		0.305	0.630	0.012	5.134	0.00
09/21/20	No Flow				1.900	12.0	4.2	0.1	1.460	6.8	6.0	<0.1	2.563	3.3	4.0	<0.1	0.373	0.617	0.121	5.134	0.00
09/22/20	No Flow				1.724	17.4	5.8	0.1	1.340	4.6	5.0	<0.1	1.228	5.2	4.0	1.0	0.000	0.625	0.127	3.320	0.00
09/23/20	No Flow				1.673	20.6	8.1	0.1	1.200	5.1	5.0	0.2	2.355	2.3	6.0	<0.1	0.000	0.615	0.111	4.281	0.00
09/24/20	No Flow				0.985	32.8	10.0	0.2	1.180	3.9	5.0	0.1	2.122	5.1	4.0	0.2	0.000	0.615	0.138	4.055	0.00
09/25/20	No Flow				1.358	18.2	7.5	1.0	1.510	4.5	6.0	0.1	2.075	4.7	5.0	0.1	0.000	0.614	0.121	4.320	0.00
09/26/20	No Flow				1.210	10.2		<0.1	1.130	5.5	5.0		2.110	13.3	7.0		0.000	0.611	0.006	3.857	0.00
09/27/20	No Flow				1.604	8.4		<0.1	1.050	5.0	5.0	<0.1	2.513	9.8	7.0		0.000	0.595	0.002	4.160	0.00
09/28/20	No Flow				1.966	9.0	3.7	<0.1	3.250	5.9	4.0	<0.1	2.488	11.2	8.0	0.1	0.000	0.586	0.089	6.413	0.00
09/29/20	No Flow				1.371	10.4	3.8	<0.1	0.970	3.8	6.0	<0.1	1.875	7.2	11.0	0.1	0.246	0.572	0.048	3.711	0.00
09/30/20	No Flow				1.358	10.0	4.0	0.1	0.860	3.8	6.0	0.2	1.741	4.0	6.0	<0.1	0.323	0.572	0.098	3.594	0.00
AVG	No Flow				1.525	9.8	4.1	<0.1	1.306	4.3	4.7	<0.1	2.032	5.8	5.4	<0.2	0.328	0.627	0.090	4.383	
TOTAL	No Flow				45.74				39.18				60.95				9.84	18.81	2.705	131.49	0.00

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1 2020
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 1009

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	09/02/20	0930	10	<10	<2	None	None	None	None	Green	73	Slightly Turbid		
S4	09/02/20	0920	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	09/02/20	0910	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	09/02/20	0845	10	10	<2	None	None	None	None	Green		Turbid		
WEST	09/02/20	0835	20	<10	<2	None	None	None	None	Green		Turbid		
S7	09/02/20	0830	<10	<10	<2	None	None	None	None	Green		Turbid		
S8	09/02/20	0825	<10	<10	2	None	None	None	None	Green		Turbid		
S9	09/02/20	0757	110	20	24	None	None	None	None	Green		Turbid	Flowing	
ACM1	09/02/20	0755	40	10	20	None	None	None	None	Green		Turbid	Flowing	
S10	09/02/20	0740	40	40	4	None	None	None	None	Green		Turbid		
S11	09/02/20	0735	10	40	2	None	None	None	None	Green		Turbid		
S12	09/02/20	0730	10	20	28	None	None	None	None	Green		Turbid		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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 627

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	09/09/20	705	<10	<10	<2	None	None	None	None	Green		Clear		
S4	09/09/20	950	<10	<10	<2	None	None	None	None	Green		Clear		
S5	09/09/20	930	<10	10	<2	None	None	None	None	Green		Clear		
S6	09/09/20	900	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	09/09/20	855	<10	<10	<2	None	None	None	None	Green		Clear		
S7	09/09/20	845	<10	<10	4	None	None	None	None	Green		Clear		
S8	09/09/20	835	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	09/09/20	820	<100	20	56	None	None	None	None	Green		Clear		
ACM1	09/09/20	815	10	30	46	None	None	None	None	Green		Clear		
S10	09/09/20	750	50	20	4	None	None	None	None	Green		Clear		
S11	09/09/20	740	10	<10	20	None	None	None	None	Green		Clear		
S12	09/09/20	730	10	<10	<2	None	None	None	None	Green	67	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: September 2020
 REPORT DUE: November 1, 2020
 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 910
 Weather: Partly Cloudy
 COMMENTS:

6.1

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	09/16/20	715	10	<10	2	None	None	None	None	Green	64	Clear		
S4	09/16/20	1015	<10	<10	<2	None	None	None	None	Green		Clear		
S5	09/16/20	955	<10	<10	<2	None	None	None	None	Green		Clear		
S6	09/16/20	935	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	09/16/20	930	<10	<10	<2	None	None	None	None	Green		Clear		
S7	09/16/20	915	<10	<10	4	None	None	None	None	Green		Clear		
S8	09/16/20	905	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	09/16/20	845	30	20	10	None	None	None	None	Green		Clear		
ACM1	09/16/20	815	300	70	18	None	None	None	None	Green		Clear	Flowing	
S10	09/16/20	805	<10	<10	<2	None	None	None	None	Green		Clear		
S11	09/16/20	755	30	<10	<2	None	None	None	None	Green		Clear		
S12	09/16/20	745	20	<10	<2	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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 0744

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	09/23/20	0920	<10	<10	<2	None	None	None	None	Green	73	Slightly Turbid		
S4	09/23/20	0855	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S5	09/23/20	0850	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	09/23/20	0815	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	09/23/20	0810	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S7	09/23/20	0805	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	09/23/20	0800	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	09/23/20	0735	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
ACM1	09/23/20	0740	170	50	42	None	None	None	None	Green		Slightly Turbid		
S10	09/23/20	0725	<10	<10	4	None	None	None	None	Green		Slightly Turbid		
S11	09/23/20	0720	10	10	<2	None	None	None	None	Green		Slightly Turbid		
S12	09/23/20	0715	540	460	170	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: September 2020
 REPORT DUE: November 1, 2020
 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 904

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	09/30/20	900	>=60	30	24	None	None	None	None	Green	61	Clear		
S4	09/30/20	1120	<10	<10	2	None	None	None	None	Green		Clear		
S5	09/30/20	1055	<10	<10	<2	None	None	None	None	Green		Clear		
S6	09/30/20	1040	<10	<10	4	None	None	None	None	Green		Clear		
WEST	09/30/20	1035	20	10	2	None	None	None	None	Green		Clear		
S7	09/30/20	1025	10	<10	2	None	None	None	None	Green		Clear		
S8	09/30/20	1015	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	09/30/20	1000	40	30	36	None	None	None	None	Green		Clear		
ACM1	09/30/20	945	2,700	2,600	1,640	None	None	None	None	Green		Slightly Turbid	Flowing	
S10	09/30/20	935	10	<10	26	None	None	None	None	Green		Clear		
S11	09/30/20	930	<10	<10	6	None	None	None	None	Green		Clear		
S12	09/30/20	920	10	<10	<2	None	None	None	None	Green		Clear		

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

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



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

Station	Location
S3	Three Arch Bay Beach; 10,000' down-coast from ACOO
S4	Ninth Street-1000 Steps; 5,000' down-coast from ACOO
S5	Laguna Lido Beach; 4,000 down-coast from ACOO
West	West Street Drain; 2,000' down-coast from ACOO
S6	Table Rock Beach; 3,000' down-coast from ACOO
S7	Camel Point Beach; 2,000' down-coast from ACOO
S8	Aliso Beach south; 1,000' down-coast from ACOO
S9	Aliso Beach middle; at ACOO
ACM1	Aliso Beach at Aliso Creek Outlet
S10	Aliso Beach north; 1,000' up-coast of ACOO
S11	Treasure Island Beach; 2,000' up-coast of 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: September 2020

REPORT DUE: November 1, 2020

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: High Tide 1009

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	09/02/20	2	<2	<2	804	0	0	
A-1	Mid depth	09/02/20	10	10	<10				
A-2	Surface	09/02/20	<2	<2	<2	754	0	0	
A-2	Mid depth	09/02/20	<10	<10	<10				
A-3	Surface	09/02/20	<2	<2	<2	758	0	0	
A-3	Mid depth	09/02/20	<10	10	<10				
A-4	Surface	09/02/20	<2	<2	<2	809	0	0	
A-4	Mid depth	09/02/20	<10	<10	<10				
A-5	Surface	09/02/20	<2	<2	<2	801	0	0	
A-5	Mid depth	09/02/20	10	<10	<10				
B-1	Surface	09/02/20	<2	<2	<2	745	0	0	
B-1	Mid depth	09/02/20	<10	<10	<10				
B-2	Surface	09/02/20	<2	<2	<2	815	0	0	
B-2	Mid depth	09/02/20	<10	<10	<10				
N1	Surface	09/02/20	<2	2	2	833	0	0	
N2	Surface	09/02/20	>=18	2	4	831	0	0	
N3	Surface	09/02/20	30	10	8	830	0	0	
N4	Surface	09/02/20	48	10	6	828	0	0	
N5	Surface	09/02/20	32	10	10	826	0	0	
N6	Surface	09/02/20	>=50	4	10	825	0	0	
N7	Surface	09/02/20	>=48	10	6	823	0	0	

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

**Compliance Summary Report
Aliso Creek Ocean Outfall 2020**

ACOO Permit Order No. R9-2012-0013							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this monitoring period.							



**SOCWA and MEMBER AGENCY FACILITIES
ACOO Spill / Overflow Report Log - 2020
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
SOCWA	SOCWA	2,000	Secondary treated with chlorination.	Root intrusion was the cause found through excavation of the 2 inch line break located below 5 ft of the surface. The soil around the break captured the majority of the spill. Additional spill volumes was captured by a storm water pump station with a 2.5 MGD pump and returned to the plant. Samples were taken at the spill location. Sulphur Creek was flowing at 1cfs, thus diluting the spill instantly into the runoff dominated stream.	Sulphur Creek	Initial report 8/16/20 and final report 8/20/20.	8/17/2020

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

September 2020

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
09/01/20	6.420	5.8	5.0	<0.1	2.703	2.5	6.0	<0.1	0.329	2.6	8.2	0.1	0.182	10.2	8.4	ND	0.000	0.202	9.440	0.00
09/02/20	6.420	5.8	7.0	0.2	1.327	2.2	2.0	<0.1	0.008	2.6	4.5	<0.1	0.050	13.8	10.8	ND	0.000	0.204	10.010	0.00
09/03/20	6.230	8.0	4.0	0.2	2.073	2.5	2.0	<0.1	0.033	2.0	4.1	<0.1	0.161	5.8	5.4	ND	0.000	0.201	8.930	0.00
09/04/20	6.240	7.7	4.7	0.1	1.982	5.5	6.0	<0.1	0.007	2.1	3.0	<0.1	0.161			ND	0.000	0.205	9.080	0.00
09/05/20	6.310	4.0	4.0		2.110				0.000				0.013				0.000	0.201	8.850	0.00
09/06/20	6.320	6.2	7.0		2.575				0.000				0.014	9.2	8.3		0.000	0.201	9.190	0.00
09/07/20	6.220	9.4	7.0	0.1	1.845	3.2	7.0	<0.1	0.012	3.8	6.8	<0.1	0.227	15.6	13.4	ND	0.000	0.205	9.050	0.00
09/08/20	6.600	9.2	10.0	<0.1	2.371	4.5	6.0	<0.1	0.581	1.9	7.8	0.6	0.227	8.2	7.5	ND	0.000	0.202	9.720	0.00
09/09/20	6.590	6.6	5.0	<0.1	2.174	3.6	7.0	<0.1	0.016	3.6	3.1	0.1	0.134	9.6	8.9	ND	0.000	0.204	10.270	0.00
09/10/20	6.480	7.5	3.9	0.2	2.214	2.8	5.0	<0.1	0.107	2.8	2.5	<0.1	0.020	6.6	6.2	ND	0.000	0.202	9.680	0.00
09/11/20	6.310	7.3	5.1	0.3	2.333	3.2	5.0	<0.1	0.016	2.2	2.3	<0.1	0.842			ND	0.000	0.201	9.510	0.00
09/12/20	6.230	6.5	6.0		2.137				0.062				1.366				0.000	0.206	10.030	0.00
09/13/20	6.450	9.0	7.0		2.911				0.031				1.550	11.8	10.2		0.000	0.201	11.100	0.00
09/14/20	6.690	8.4	7.0	<0.1	2.780	3.0	6.0	<0.1	0.015	3.9	7.2	<0.1	1.550	10.8	9.4	ND	0.000	0.201	11.540	0.00
09/15/20	6.350	7.4	5.0	<0.1	2.538	2.8	7.0	<0.1	0.690	3.8	6.8	0.1	1.087	12.0	11.2	ND	0.000	0.205	10.540	0.00
09/16/20	6.370	6.9	4.0	0.2	2.570	2.4	2.0	<0.1	0.014	3.4	3.1	<0.1	0.683	10.8	9.5	ND	0.000	0.201	10.980	0.00
09/17/20	6.420	7.7	8.0	0.4	2.666	2.8	2.0	<0.1	0.021	3.4	2.8	0.2	0.539	11.0	10.4	ND	0.000	0.202	9.870	0.00
09/18/20	6.290	11.3	9.9	0.2	1.650	5.6	6.0	<0.1	0.014	2.2	2.9	<0.1	0.539			ND	0.000	0.205	8.950	0.00
09/19/20	6.500	3.9	7.0		1.744				0.000				0.716				0.000	0.201	8.750	0.00
09/20/20	6.490	13.4	13.0		2.059				0.150				1.462	12.0	9.8		0.000	0.201	9.420	0.00
09/21/20	6.510	8.4	9.0	0.1	2.171	3.4	6.0	<0.1	0.088	4.2	7.6	<0.1	1.463	11.0	10.2	ND	0.000	0.206	10.670	0.00
09/22/20	6.700	3.8	6.0	<0.1	1.912	3.2	6.0	<0.1	0.678	4.1	7.4	<0.1	0.546	12.2	11.4	ND	0.000	0.201	9.640	0.00
09/23/20	6.630	4.1	6.0	0.2	2.497	3.5	2.0	<0.1	0.009	3.3	3.4	<0.1	0.128	13.8	12.5	ND	0.000	0.200	10.230	0.00
09/24/20	6.430	5.1	5.2	0.2	1.846	3.6	5.0	<0.1	0.017	2.3	3.1	<0.1	0.257	11.6	10.6	ND	0.000	0.205	9.070	0.00
09/25/20	6.440	5.9	6.0	0.2	1.898	3.9	3.0	<0.1	0.019	2.6	2.5	0.1	0.089			ND	0.000	0.201	9.470	0.00
09/26/20	6.340	5.6	5.0		2.205				0.000				0.107				0.000	0.202	9.260	0.00
09/27/20	6.130	6.2	9.0		2.303				0.219				0.031	11.4	10.2		0.000	0.205	9.460	0.00
09/28/20	6.330	6.1	5.0	<0.1	2.103	4.9	7.0	<0.1	0.212	3.6	8.9	<0.1	0.019	9.6	8.8	ND	0.000	0.202	9.580	0.00
09/29/20	6.210	5.8	4.0	0.1	1.957	4.4	8.0	<0.1	0.679	3.7	7.5	<0.1	0.023	8.8	8.1	ND	0.000	0.200	9.450	0.00
09/30/20	6.170	5.4	9.0	<0.1	2.886	3.0	3.0	<0.1	0.005	2.4	3.0	<0.1	0.291	11.8	10.4	ND	0.000	0.206	10.330	0.00
AVG	6.394	6.9	6.5	<0.2	2.218	3.5	5.0	<0.1	0.134	3.0	4.9	<0.1	0.483	10.8	9.6	ND	0.000	0.203	9.736	
TOTAL	191.820				66.540				4.032				14.477				0.000	6.079	292.070	0.00

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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 1000

Weather: Overcast

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	09/01/20	745	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
S1	09/01/20	810	<20	<20	2	None	None	None	None	Green	67	Slightly Turbid		
S2	09/01/20	735	40	<20	8	None	None	None	None	Green	66	Slightly Turbid		
DSB5	09/01/20	725	20	60	22	None	None	None	None	Green		Slightly Turbid		
S3	09/01/20	812	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	09/01/20	816	20	20	6	None	None	None	None	Green		Slightly Turbid		
S5	09/01/20	805	<20	20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	09/01/20	800	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	09/01/20	748	<100	<100	<10	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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 629

Weather: Overcast

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	09/08/20	757	20	20	10	None	None	None	None	Green	70	Slightly Turbid		
S1	09/08/20	809	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	09/08/20	745	<20	20	6	None	None	None	None	Green		Slightly Turbid		
DSB5	09/08/20	736	40	80	10	None	None	None	None	Green	71	Slightly Turbid		
S3	09/08/20	810	20	<20	6	None	None	None	None	Green		Slightly Turbid		
DSB4	09/08/20	811	20	<20	2	None	None	None	None	Green		Slightly Turbid		
S5	09/08/20	823	<20	<20	10	None	None	None	None	Green		Slightly Turbid		
DSB1	09/08/20	816	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
C1	09/08/20	758	100	<100	10	None	None	None	None	Green		Slightly Turbid		100

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: September 2020
 REPORT DUE: November 1, 2020
 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 856

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S0	09/15/20	728	20	<20	10	None	None	None	None	Green	64	Clear		
S1	09/15/20	740	20	20	42	None	None	None	None	Green		Clear		
S2	09/15/20	720	<20	20	32	None	None	None	None	Green	65	Slightly Turbid		
DSB5	09/15/20	710	20	<20	48	None	None	None	None	Green		Slightly Turbid		
S3	09/15/20	742	40	20	28	None	None	None	None	Green		Clear		
DSB4	09/15/20	743	40	<20	10	None	None	None	None	Green		Clear		
S5	09/15/20	755	40	<20	360	None	None	None	None	Green		Clear		
DSB1	09/15/20	805	<20	<20	20	None	None	None	None	Green		Clear		
C1	09/15/20	730	<100	<100	50	None	None	None	None	Green		Clear		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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 651

Weather: Overcast

COMMENTS: Infrared thermometer missing from laboratory.

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	09/22/20	749	<20	<20	40	None	None	None	None	Green		Slightly Turbid		
S1	09/22/20	808	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S2	09/22/20	739	20	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB5	09/22/20	730	20	<20	60	None	None	None	None	Green		Slightly Turbid		
S3	09/22/20	811	<20	<20	6	None	None	None	None	Green		Slightly Turbid		
DSB4	09/22/20	812	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
S5	09/22/20	820	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB1	09/22/20	827	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
C1	09/22/20	751	<100	<100	10	None	None	None	None	Green		Slightly Turbid		

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: September 2020
 REPORT DUE: November 1, 2020
 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

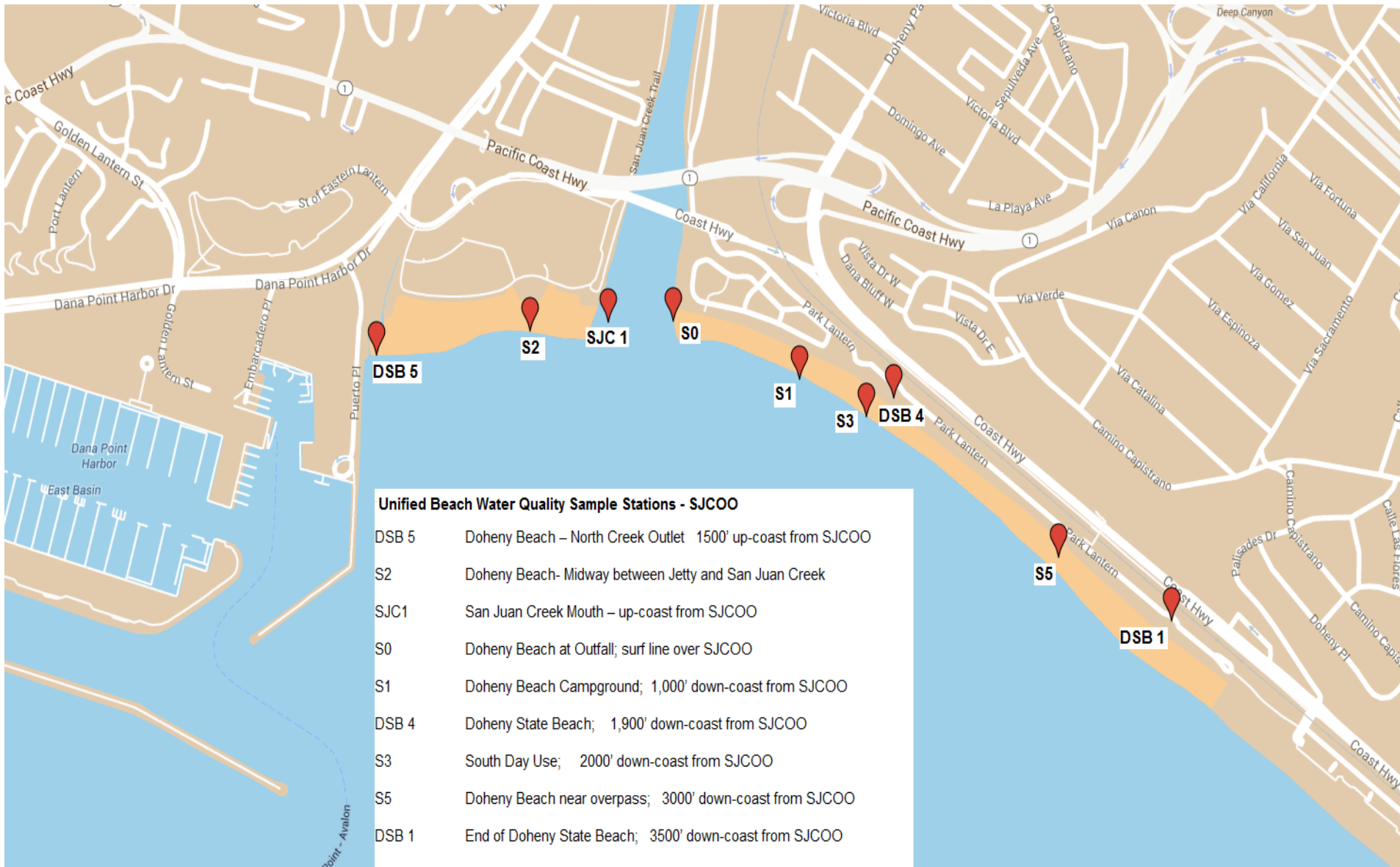
Tidal Condition: High Tide 836

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	09/28/20	805	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S1	09/28/20	835	<20	<20	4	None	None	None	None	Green	69	Slightly Turbid		
S2	09/28/20	755	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB5	09/28/20	745	20	<20	10	None	None	None	None	Green		Turbid		
S3	09/28/20	837	<20	20	4	None	None	None	None	Green	69	Slightly Turbid		
DSB4	09/28/20	838	<20	<20	4	None	None	None	None	Green	69	Slightly Turbid		
S5	09/28/20	821	20	40	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	09/28/20	815	20	40	<2	None	None	None	None	Green		Slightly Turbid		
C1	09/28/20	808	<100	<100	10	None	None	None	None	Green		Turbid		

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



San Juan Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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

MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

REPORT FOR: September 2020

REPORT FREQUENCY: Monthly

REPORT DUE: November 1, 2020

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: High Tide 1009

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	09/02/20	<2	<2	<2	928	0	0	0 - None
A-1	Mid depth	09/02/20	<10	<10	<10				1 - Mild
A-2	Surface	09/02/20	2	<2	<2	932	0	0	2 - Moderate
A-2	Mid depth	09/02/20	<10	<10	<10				3 - Severe
A-3	Surface	09/02/20	2	<2	<2	935	0	0	
A-3	Mid depth	09/02/20	<10	<10	<10				
A-4	Surface	09/02/20	2	2	<2	942	0	0	
A-4	Mid depth	09/02/20	30	40	10				
A-5	Surface	09/02/20	4	<2	<2	939	0	0	
A-5	Mid depth	09/02/20	<10	<10	<10				
B-1	Surface	09/02/20	<2	<2	<2	920	0	0	
B-1	Mid depth	09/02/20	<10	<10	<10				
B-2	Surface	09/02/20	<2	<2	<2	951	0	0	
B-2	Mid depth	09/02/20	90	20	10				
N1	Surface	09/02/20	<2	<2	<2	914	0	0	
N2	Surface	09/02/20	<2	<2	2	910	0	0	
N3	Surface	09/02/20	2	2	<2	908	0	0	
N4	Surface	09/02/20	<2	2	<2	903	0	0	
N5	Surface	09/02/20	<2	<2	2	900	0	0	
N6	Surface	09/02/20	<2	2	<2	858	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 2020**

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



**SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2020
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

**2020 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
MNWD- 3A	1/6/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	1/17/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	1/17/2020	TDS	12-Month	mg/L	1000	1062	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	2/5/2020	TDS	12-Month	mg/L	1000	1042	
SOCWA - CTP	2/5/2020	Manganese	12-Month	mg/L	0.05	0.06	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.09	
SOCWA - RTP	3/3/2020	TDS	12-Month	mg/L	1000	1032	
SOCWA - CTP	3/3/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	4/2/2020	TDS	12-Month	mg/L	1000	1050	
SOCWA - CTP	4/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	offline	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - CTP	5/13/2020	Coliform	Instantaneous	cfu/100mL	240	961	
SOCWA - RTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	5/1/2020	TDS	12-Month	mg/L	1000	1078	
SOCWA - CTP	5/1/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	Not Reported	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	6/2/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	6/2/2020	TDS	12-Month	mg/L	1000	1092	
SOCWA - CTP	6/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	6/22/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	7/8/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	7/8/2020	TDS	12-Month	mg/L	1000	1131	
SOCWA - CTP	7/8/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	7/13/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	8/6/2020	Manganese	12-Month	mg/L	0.05	0.10	
SOCWA - RTP	8/6/2020	TDS	12-Month	mg/L	1000	1141	
SOCWA - CTP	8/6/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	8/2/2020	Manganese	12-Month	mg/L	0.05	0.07	
SOCWA - RTP	9/23/2020	Manganese	12-Month	mg/L	0.05	0.11	
SOCWA - RTP	9/23/2020	TDS	12-Month	mg/L	1000	1173	

**2020 Compliance Summary Report
Recycled Water Permit**

SOCWA - CTP	9/23/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	9/1/2020	Manganese	12-Month	mg/L	0.05	0.07	
MNWD- 3A	9/1/2020	Manganese	12-Month	mg/L	1000	1045	
SOCWA - RTP	10/19/2020	Coliform	Instantaneous	MPN/100mL	240	411	

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: 30-Sep-20

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	948	830	842	919	1,045	1,173	1,007
Chloride	mg/L	375	244	201	132	285	222	253	238
Sulfate	mg/L	400	259	289	232	244	253	345	300
Sodium	mg/L	None	197	150	160	213	160	182	158
Alkalinity	mg/L	None	-	-	-	-		268	223
Adjusted SAR	Ratio	None	4.81	4.71	4.96	5.45	4.05	4.24	4.22
Iron	mg/L	0.3	0.017	0.017	0.130	ND	0.17	0.490	0.131
Manganese	mg/L	0.05	0.009	0.025	0.037	0.017	0.073	0.107	0.068
MBAS	mg/L	0.5	0.03	0.15	0.16	0.28	0.00	0.10	0.10
Boron	mg/L	0.75	0.289	0.333	0.337	0.400	0.40	0.368	0.32
Fluoride	mg/L	None	0.35	0.723	0.58	0.61	0.96	0.83	0.77
Total Organic Carbon	mg/L	None	8.3	12.8	11.9	10.9	5.7	12.0	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) 2020

Agency	Facility or Region	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00	7.07	0.00	0.00	0.00	1.65				8.72
CSJC 2	Chiquita/SMWD	0.02	12.69	9.95	9.10	32.04	35.33	38.15	34.98	32.15				204.40
CSJC 3	Non-Domestic Wel	8.63	8.63	2.75	6.73	27.41	35.89	68.38	41.91	11.45				211.78
ETWD	Region 8	26.43	52.97	29.86	59.75	168.02	177.30	218.39	229.55	195.78				1158.05
IRWD														
4	IRWD - 8	54.89	83.88	50.90	36.29	137.20	145.94	175.99	172.36	184.73				1042.18
4	IRWD - 9	26.02	46.16	24.48	23.10	77.28	84.69	108.54	104.91	106.51				601.70
SCWD	SOCWA CTP	22.75	48.17	22.67	39.78	114.47	88.37	145.97	121.00	98.60				701.78
MNWD	JRP	101.06	197.36	111.65	234.19	535.80	539.51	615.50	605.34	592.66				3533.06
	3-A Plant	41.27	0.00	0.00	0.00	38.21	141.02	117.82	155.66	121.99				615.96
5	CTP	1.02	4.83	3.49	8.29	20.47	16.45	17.79	25.63	20.92				118.88
SMWD	Oso Creek	151.09	137.88	159.15	82.28	152.12	147.36	154.09	153.65	143.09				1280.70
	Chiquita	64.63	293.17	180.82	132.12	385.36	432.44	509.56	515.91	486.42				3000.42
	Nichols	1.49	1.46	1.48	1.48	1.59	1.83	2.15	2.30	1.78				15.57
TCWD	RRWRP	50.40	45.36	38.43	37.68	54.53	50.52	51.05	50.50	41.96				420.42
TOTALS		549.70	932.55	635.63	670.78	1751.56	1896.64	2223.38	2213.69	2039.68				12913.61

- 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: November 5, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report for September and October 2020
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. A signed copy will be provided to MAs for file and submitted to the San Diego Regional Water Quality Control Board for their files. Member agencies (MAs) are in the process of amending their pretreatment ordinances. Red-line marked versions of each MA ordinance showing required changes has been provided to MA Staff who have been instructed to reach out should they have any questions or concerns. SOCWA also adopted amendments to its Diversion Policy on October 1, 2020. Once signed, a final copy will be provided to all Mas and the SDRWQCB for record.

State contractors conducted a virtual Pretreatment Compliance Inspection (PCI) of SOCWA's Pretreatment Program on June 15, 2020 with an exit meeting held virtually on July 1, 2020. PCI's consist of two parts, file review and site visits. Due to the COVID-19 pandemic, the completion of the inspection and site visit portion of the PCI is postponed until travel restrictions are lifted. Contractors reviewed two files for the CSC service area, Reynard (WD Permit No. CSC-2-010) and Glaukos (WD Permit No. CSC-NS1-001), and one file for the SMWD area, Applied Medical (WD Permit No. SMWD-1-004). SOCWA Staff may receive two separate reports, one related to file review findings and one related to site visit findings (once conducted). Under normal circumstances outside of a pandemic, PCI reports are received within 60 days of the exit meeting.

SOCWA's website has information regarding the Dental Rule and a link to SOCWA's One-Time Compliance Report for Dental User's to download, fill in, and submit to SOCWA by postal mail or fax. Note, the report may be submitted by email first, but is required to be followed by postal mail or fax. All new dental offices have 90-days to complete and submit the form. The deadline for existing dental offices to be compliant with the rule was July 14, 2020. The deadline for existing dental offices to submit a One-Time Compliance Report was October 12, 2020. MA Staff should please direct inquiring dentist offices to the following links below:

- Dental Rule information: <https://www.socwa.com/industrial-waste/>
- One Time Compliance Report: <http://www.socwa.com/wp-content/uploads/2017/12/Dental-Discharger-One-Time-Compliance-Report-for-SOCWA.pdf>

SOCWA Staff provided MA Staff (CSC, SMWD, ETWD, and IRWD) with the appropriate reporting sheets for their influent and effluent data submittals necessary to assist in the production of the annual pretreatment report, which is due to the SDRWQCB by March 1, 2021. As of October 21, 2020, Staff has received data for six of the nine treatment plants including SOCWA (JBL, CTP, RTP) and SMWD (Chiquita, 3A, Oso). Staff is still waiting to receive sampling data from CSC, IRWD and ETWD.

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:

IRWD – SWD Permit No. IRWD-4-001 – Beacon Bay Enterprises – A permit modification request to increase the daily flow limit was submitted to SOCWA on December 23, 2019. Site Staff complied with SOCWA's request to install a sample barrel and a continuous flow meter. Site Staff is also in the process of installing a flow restriction device to keep discharge to sewer at or below 13 gpm. Once installation is confirmed, Permit No. IRWD-4-001 will be modified to allow the increase in flow from the site to the sewer.

SMWD – WD Permit No. SMWD-1-004 - Applied Medical (Passivation Line) – SOCWA Staff received notice that Applied Medical is planning to extend its passivation line and will be submitting a WD Permit Application to aid in the permit modification process. Staff is providing guidance as information is received.

CSC – WD Permit No. CSC-2-010- Custom Flavors – Custom Flavors is expanding its operations to a new location and submitted a WD Permit application on August 11, 2020. The new site is on target to begin production in early December. Staff is drafting a permit for the new location.

Trainings and Committee Meetings Attended

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

Staff is participating in a four-part CWEA SARBS Effective Communications Webinar Series scheduled for August 18, October 6, December 8, 2020 and January 26, 2021.

On October 13, 2020, SOCWA Staff attended a CWEA Pretreatment, Pollution Prevention, and Stormwater (P3S) committee virtual training. The training event consisted of two presentations, *Tracking Illicit Discharges* and *Industrial Water Permitting*.

On October 20, 2020, SOCWA Staff attended an EPA webinar, *Strategies for Small POTWs Handling High Strength Wastewater*.

On October 19-22, 2020, SOCWA Staff attended the virtual CWEA Annual Conference.

On October 20, 22, 27 & 29, 2020, SOCWA Staff attended a virtual HACH WIMS conference and training.

On October 28, 2020, Staff listened to the State Water Board PFAS Order Compliance Webinar 2.

Inspections

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

SMWD - There are two remaining annual inspections and sampling events that are required to be performed before the end of the year. The two sites are at Applied Medical facilities (Permit Nos. SMWD-1-003 and SMWD-1-004).

CSC - Staff is considering conducting a virtual inspection of the new facility associated with Custom Flavors prior to permit issuance. A virtual inspection is being considered to reduce COVID transmission risk for SOCWA and Custom Flavors Staff.

Summary of IWS Activities in the SOCWA Service Area - YTD through October 21, 2020

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	3	2	5	8	111	25	0	0	154
CSC (S)	58	9	35	18	181	1296	58	0	3	1597
CSJC (S)	39	2	27	59	137	1666	38	0	0	1929
ETWD (M)	1	3	87	0	262	132	84	0	0	568
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	30	4	51	21	63	937	24	0	0	1100
MNWD (S)	256	4	123	39	627	2083	200	15	0	3076
SMWD (S)	121	6	19	20	201	774	79	7	4	1099
SCWD (S)	34	7	33	7	148	182	27	0	1	404
TCWD (S)	0	11	0	0	0	33		0	0	44
SOCWA (S)	0	3	1	0	0	0		0	0	4
Totals	539	53	378	169	1627	7214	535	22	8	9976

(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

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Board of Directors Meeting

Meeting Date: November 5, 2020

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 three major construction projects currently underway at each of the treatment plants. All three projects are in the beginning phases of construction.

JB Latham Package B

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

Work continues on Plant 2 (4 MGD) Basins with new gates, baffles, and troughs.



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:

Work to rehabilitate basins and channels continues.



Regional Treatment Plant Miscellaneous Improvements 2018

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

New polymer mix tanks (left) and Energy Building Equipment Bay ventilation system (right)



**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**

		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						
3221	Electrical System Evaluation	P							
3353	Centrate System Design	D							
4001	Plant Drain System Study		P						
4201	Plant 1 Blower Building Condition Assessment	CA							
4204	Electrical Manhole Condition Assessment	CA	CA						
4214	Solids Management Plan		P	P					
4202	Pipeline Condition Assessment Methodology Evaluation		P	P					
4203	Plant Hydraulic Model and Flow Management Plan	P							
3234	Centrate Piping Reconstruction		B&A	C	C				
3235; 3227	Package D Design				D	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						
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				
3227	Plant 2 Upgrades, Dewatering System Reconstruction, Gas Flare								B&A

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					
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					
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. 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.
4202-000	Pipeline Condition Assessment Methodology Evaluation	Study	Project delayed due to COVID-19, now scheduled to begin in November 2020.
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.
4214-000	Solids Management Plan	Study	Continuing consideration of options pending the results of the Innovative Biosolids project.

**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			
3605-000	Junction Structure Rehabilitation Design	Design	An amendment to the Black & Veatch design contract was awarded by PC 5 on July 23, 2020. The Committee also approved award of the Phase I contract to Filanc for minor repairs and constructability review.
3650-000	Junction Structure Reinforcement Permitting and Final Design	Design	Contracts for this portion of work will be presented to the Board near or after the completion of Phase I in November 2020. Phase II costs were presented to Engineering Committee in October 2020.

**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 to this one Task Code.
3534-000	Export Sludge System (1997)	Design	Approval of the California Coastal Commission permit extension and the Public Access Plan is pending. Due to the timing of the permitting and nesting season, the project has been delayed to start in the fall of 2020.
3525-000	Personnel Building Reconstruction (2019)	Bid	Project delayed due to COVID-19, now scheduled to being 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 January 2021.
3527-000	Vehicle Storage Building Roof (2019)	Construction	Project completed by Operations staff.
4501-000	Electrical Manhole/Cable Assessment	Study	Project delayed due to COVID-19, now scheduled to being in December 2020.
4502-000	Building Roof Condition Assessment	Study	Project delayed due to COVID-19, now scheduled to being in December 2020.
CAPITAL IMPROVEMENT PROJECT AWT			
3536-000	Chlorine Contact Basin Mixer Construction (AWT) (2019)	Construction	Installation of clearwell pump valves was completed in August 2019. Design of pilot valve panel and installation will likely occur in November 2020.

**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 to 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)	Condition Assessment	Due to weather and COVID-19, this will be delayed until Winter of 2020

**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. This project is currently delayed due to requests by ETWD to review other options.
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 Fall 2020.
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 to 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 Fall 2020.
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 Fall 2020.
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	Proposals were reviewed by Engineering Committee in October 2020.
3106-000	Air Vacuum Release Valve Replacement Reach E Design and Permitting	Design	Proposals were reviewed by Engineering Committee in October 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 February 2021.

Agenda Item

4g

Board of Directors Meeting

Meeting Date: November 5, 2020

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

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

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

Summary/Discussion

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

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.

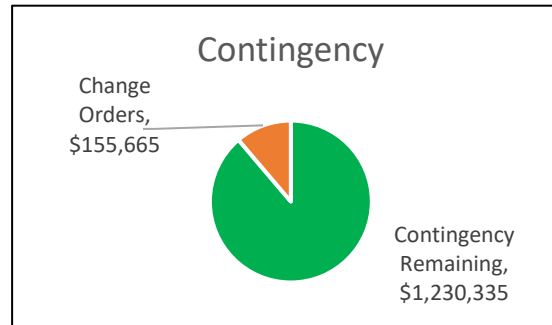
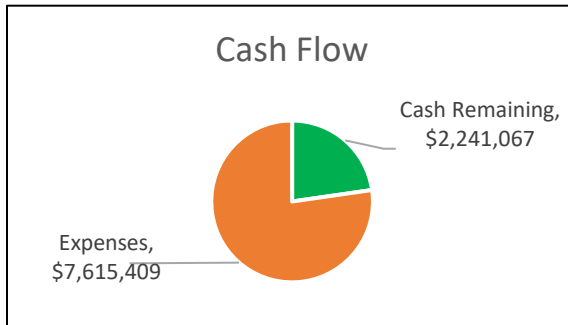
Recommended Action: Informational only.

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

October 23, 2020



Cash Flow

Collected	\$9,856,476
Expenses	\$7,615,409

Project Completion

Schedule	54%
Budget	34%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 155,665	\$ 17,480,665	\$5,266,989
Butier	13647	\$ 1,055,325	\$ -	\$ 1,055,325	\$613,388
Carollo	13616	\$ 846,528	\$ -	\$ 846,528	\$568,765
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$81,837
		\$ 19,320,853	\$ 155,665	\$ 19,476,518	\$6,530,979

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 35,048	\$ 581,752	6.0%
Common	3231-000	\$ 96,800	\$ -	\$ 96,800	0.0%
Solids	3287-000	\$ 672,400	\$ 120,617	\$ 551,783	21.9%
		\$ 1,386,000	\$ 155,665	\$ 1,230,335	12.7%

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)

Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
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
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 006	Olsson	3287-000	Digester 4 Tank Repair	Potential Change	(blank)	\$34,800	
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	
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	

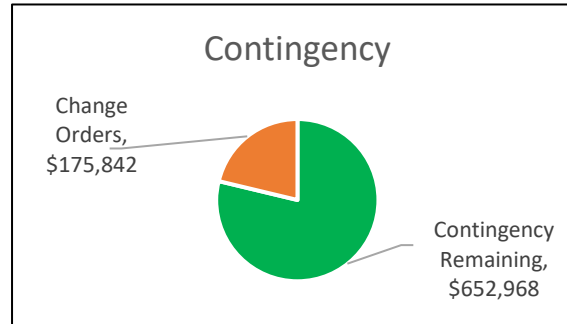
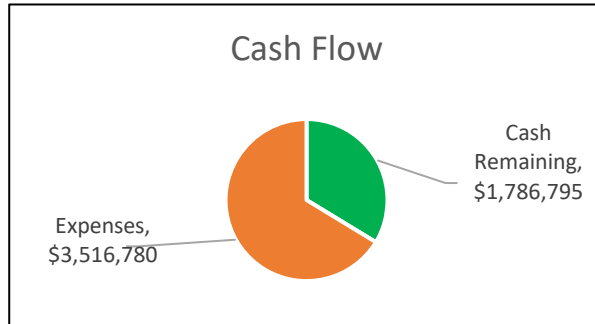
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 018	Olsson	3287-000	Duct bank L Interferences	Potential Change	(blank)	\$5,000	
PCO 019	Olsson	3287-000	Duct bank O Interferences	Potential Change	(blank)	\$1,687	
PCO 021	Olsson	3287-000	Duct bank J Interferences	Potential Change	(blank)	\$20,000	
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 029	Olsson	3287-000	Digester 3/4 PLC Relocation	Potential Change	(blank)	\$41,368	
PCO 032	Olsson	3287-000	Gas Mixer Conduit Conflict	Potential Change	(blank)	\$12,384	
PCO 035	Olsson	3220-000	Duct bank K Interferences	Potential Change	(blank)	\$15,568	
Grand Total						\$293,871	\$ 155,665

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

October 23, 2020



Cash Flow

Collected	\$5,303,575
Expenses	\$3,516,780

Project Completion

Schedule	66%
Budget	31%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
PCL	13751	\$ 9,209,000	\$ 175,842	\$ 9,384,842	\$2,733,473
Butier	13647	\$ 812,288	\$ -	\$ 812,288	\$418,388
Hazen & Sawyer	13648	\$ 490,484	\$ -	\$ 490,484	\$194,521
		\$ 10,511,772	\$ 175,842	\$ 10,687,614	\$3,346,381

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3539-000	\$ 828,810	\$ 175,842	\$ 652,968	26.9%
		\$ 828,810	\$ 175,842	\$ 652,968	26.9%

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
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 Descope	Potential Change	(blank)	-\$2,000	

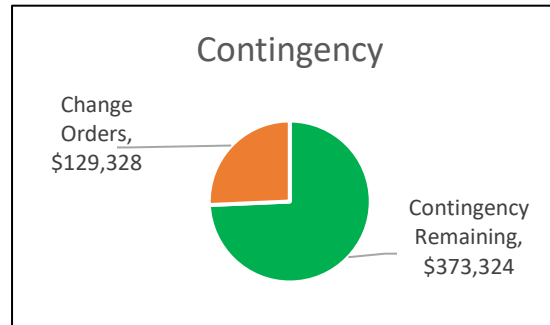
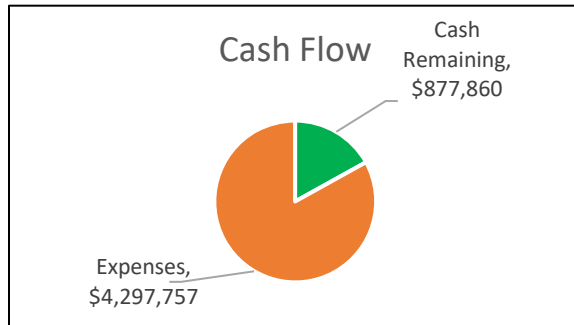
Change Order No.	Vendor Name	Project ID	Description	Status	Status Date	Potential Change Amount	Final Amount
PCO 016	PCL	3539-000	Spray Water Piping Replacement	Potential Change	(blank)	\$1,500	
PCO 019	PCL	3539-000	Switchgear Building Concrete Repair	Potential Change	(blank)	\$30,000	
PCO 024	PCL	3539-000	Drainage Pump Station Descope	Potential Change	(blank)	-\$400,000	
PCO 025	PCL	3539-000	Sludge Collector Mounting Plate Replacement	Potential Change	(blank)	\$13,815	
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 033	PCL	3539-000	Secondary Effluent Channel Improvements	Potential Change	(blank)		
PCO 034	PCL	3539-000	Scum Spray Water Pipe Replacement	Potential Change	(blank)	\$5,000	
PCO 035	PCL	3539-000	Grit Chamber Conflicts	Potential Change	(blank)	\$20,000	
Grand Total						-\$278,685	\$175,842

Project Financial Status

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

Data Last Updated

October 23, 2020



Cash Flow

Collected	\$5,175,617
Expenses	\$4,297,757

Project Completion

Schedule	82%
Budget	85%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Filanc	13678	\$ 4,181,205	\$ 129,328	\$ 4,310,533	\$3,653,756
Dudek	14164	\$ 137,625	\$ -	\$ 137,625	\$133,300
Lee & Ro	14006	\$ 123,310	\$ -	\$ 123,310	\$109,110
		\$ 4,442,140	\$ 129,328	\$ 4,571,468	\$3,896,166

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3701-000	\$ 343,593	\$ 111,670	\$ 231,923	48.1%
Common	3769-000	\$ 4,545	\$ -	\$ 4,545	0.0%
Solids	3751-000	\$ 154,514	\$ 17,658	\$ 136,856	12.9%
		\$ 502,652	\$ 129,328	\$ 373,324	34.6%

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
Grand Total							\$ 129,328

Agenda Item

5a

Board of Directors Meeting

Meeting Date: November 5, 2020

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Draft Use Audit FY 2019-2020 Budget vs Actual including Cash Roll Forward as of June 30, 2020

Summary/Discussion

The information below was briefed to the Finance Committee at its October 27, 2020 meeting. The Committee will meet again on November 3, 2020 in advance of the Board meeting and will provide comments/reports to the Board at the November 5, 2020 meeting for these items:

FY 2019-20 Annual Financial Statements Audit

- The Annual Financial Statements Audit final Fieldwork will begin on October 26th.
- The Audit Report , CAFR and Supplemental Financial Statements are scheduled for completion in late November.
 - The Finance Committee concurred in polling the Board for the potential to move the December Board meeting to the 17th to allow more time for document review by the Committee and Finance Managers.

FY 2019-20 Use Audit Preliminary Results

- Preliminary Use Audit Results are shown in the attached PowerPoint Slides
 1. O&M Spending and/or Usage Variance is \$473 thousand or 2.2% under budget
 2. Small Capital is \$140 thousand or 6.8% under budget; there were significantly more projects in progress at year end, delayed because of COVID 19, which will carry over into FY 2020-21. The Authority is holding \$565 thousand in cash to cover completion costs.
 3. There was one Closed Large Capital Project, Plant 1 Grit Basins and Handling, the project costs exceeded cash collections by \$168 thousand. In March, the Authority refunded \$2.3 million for Closed Capital Projects as of that date.
 4. Non-Capital Engineering and Non-Capital Miscellaneous Tasks were delayed because of COVID 19.

Non Capital Engineering Use Audit refund is \$298 thousand or 35.5% under budget. The Authority is holding \$370 thousand in Cash to cover open work.

Non-Capital Miscellaneous Use Audit refund is \$102 thousand or 24.1% under Budget. The Authority is holding \$252 thousand in Cash to cover open work.

	<u>Budget</u>	<u>Use Audit Refund</u>	<u>% Under Budget</u>	<u>CarryOver into FY 20-21</u>
Non-Capital	\$838,687	\$297,833	35.51%	\$369,508
Non-Capital Misc.	\$425,000	\$102,442	24.10%	\$252,298

- Total Use Audit is a refund of \$844,792 thousand.

Due To/ Due From	
SOCWA by Member Agency	Total Use Audit Results
City of Laguna Beach	\$357,363
City of San Clemente	(8,062)
City of San Juan Capistrano	18,558
El Toro Water District	(39,611)
Emerald Bay Service District	9,357
Irvine Ranch Water District	(18,112)
Moulton Niguel Water District	322,076
Santa Margarita Water District	(114,816)
South Coast Water District	310,749
Trabuco Canyon Water District	7,289
Total Member Agency	\$844,792

Cash Roll Forward Q4, June 30, 2020

- Cash Roll Forward balances are attached:
 - Cash Reconciliation as of June 30, 2020
 - Large Capital Cash Roll Forward Balance by Member Agency, Project Committee, Wastewater Code (Liquids, Solids, Common, etc.) and Capital Project
 - Small Capital Cash Roll Forward balance by Member Agency, Project Committee, Wastewater Code and Capital Project
 - Non Capital Engineering Cash Roll Forward Balance by Member Agency, Project Committee, Wasterwater Code and Task number
 - Non Capital Miscellaneous Cash Roll Forward Balance by Member Agency, Project Committee, Wasterwater Code and Task number

Recommended Action: The Staff will report to the Board at the November 5, 2020 meeting on the actions to be recommended based on input from the Finance Committee, options may include:

- The Board of Directors to approve the FY 2019-20 Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the Use Audit as presented; and
- The Board of Directors to receive and file the Cash Roll Forward as of June 30, 2020.

**South Orange County Wastewater Authority
Use Audit Book
FY 2019-20 Budget vs. Actual**

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Page 20	*Wastewater Budget vs. Actual -PC 5
Page 21	*Wastewater Budget vs. Actual -PC 8
Page 22	*Wastewater Budget vs. Actual -PC 12
Page 23	*Wastewater Budget vs. Actual -PC 15
Page 24	*Wastewater Budget vs. Actual -PC 17
Page 25	*Wastewater Budget vs. Actual -PC 21
Page 26	*Wastewater Budget vs. Actual -PC 23
Page 27	*Wastewater Budget vs. Actual -PC 24
Pages 28-30	O&M Summary by Account Code
Page 31	FY 2019-20 Fringe Benefits Pool
Pages 32-38	Budget vs. Actual by Project Committee
Page 39	Engineering Budget vs. Actual
Page 40	Admin Budget vs. Actual
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Page 42	IT Budget vs. Actual
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Page 62	Actual Flow and Solids PC 2
Page 63	Actual PC 2SO/PC 12 Recycled Water
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Large Capital	
Page 66	PC 2 Large Capital Cose Out Detail
Page 67-68	Cash Reconciliation to Net Position FY 2019-20
Page 71-73	Capital Cash Roll Forward FY 2019-20 Large Capital
Page 74-77	Capital Cash Roll Forward FY 2019-20 Small Capital
Page 78	Capital Cash Roll Forward FY 2019-20 Non Capital
Page 79-80	Capital Cash Roll Forward FY 2019-20 Non Capital Miscellaneous

***Wastewater is name for Liquids, Solids, Common, AWT and other processes**

**MANAGEMENT'S DISCUSSION AND ANALYSIS of
FY 2019-20 USE AUDIT**

Actual Spending and Actual Usage								
O&M			Small Capital ²	Large Capital ³	Non-Capital ⁴	Non-Capital Misc. ⁵	Total	
FY 2019-20 Budget ¹	FY 2019-20 Actual	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results	
SOCWA by Member Agency								
City of Laguna Beach	\$2,397,060	\$2,099,074	\$297,986	\$28,440		\$26,671	\$4,266	\$357,363
City of San Clemente	146,256	155,766	(9,510)	457			991	(8,062)
City of San Juan Capistrano	2,195,284	2,198,165	(2,881)	16,756	(\$51,746)	45,829	10,599	18,558
El Toro Water District	889,676	937,053	(47,377)	(12,903)		9,344	11,326	(39,611)
Emerald Bay Service District	154,448	149,324	5,124	2,046		1,951	237	9,357
Irvine Ranch Water District	163,392	160,524	2,868	(25,724)			4,745	(18,112)
Moulton Niguel Water District	9,149,540	8,993,369	156,171	51,572	(38,783)	120,814	32,302	322,076
Santa Margarita Water District	2,210,540	2,357,682	(147,142)	12,160	(29,083)	37,394	11,855	(114,816)
South Coast Water District	3,946,388	3,736,264	210,124	67,153	(48,479)	55,829	26,122	310,749
Trabuco Canyon Water District	62,264	54,975	7,289					7,289
Total Member Agency	\$21,314,848	\$20,842,196	\$472,652	\$139,957	(\$168,091)	\$297,833	\$102,442	\$844,792

The above O&M Actual, \$20,842,196, is the Authority's Operating Revenue for the fiscal year, before Consolidation with PC 23.

**South Orange County Wastewater Authority
Statement of Revenues, Expenses and Changes in Net Position
For the year ended June 30, 2020**

	<u>SOCWA Actual 6-30-2020</u>	<u>PC 23 Actual 6-30-2020</u>	<u>Consolidated Actual 6-30-2020</u>
Operating Revenues			
O&M Member Agency Assessments			
City of Laguna Beach	\$2,099,074	\$1,613,764	\$3,712,839
City of San Clemente	155,766		155,766
City of San Juan Capistrano	2,198,165		2,198,165
El Toro Water District	937,053		937,053
Emerald Bay Service District	149,324		149,324
Irvine Ranch Water District	160,524		160,524
Moulton Niguel Water District	8,993,369		8,993,369
Santa Margarita Water District	2,357,682		2,357,682
South Coast Water District	3,736,264		3,736,264
Trabuco Canyon Water District	54,975		54,975
Total O&M Member Agency Assessments	\$20,842,196	\$1,613,764	\$22,455,960

¹Budget was \$21,314,846, the amount invoiced was \$21,314,848, \$2 rounding. The Board approved additional expenditures of \$540,923, primarily due to various unanticipated operating costs and some COVID 19 related costs. The additional Board approved expenditures are not included in the above Budget amount.

²Small Capital cash balance as of June 30, 2020 was \$704,957; \$139,957 will be refunded in the Use Audit and \$565,000 will carryover to FY 2020-21 for in-process projects delayed because of COVID 19.

³One Large Capital Project closed, PC 2, Plant 1 Grit Basins and Handling, the project costs were \$168,091 more than cash collected from Member Agencies.

⁴Non-Capital cash balance as of June 30, 2020 was \$667,341; \$297,833 will be refunded in the Use Audit and \$369,508 will carryover to FY 2020-21 for in-process projects delayed because of COVID19.

⁵Non-Capital Misc. cash balance as of June 30, 2020 was \$354,740; \$102,442 will be refunded in the Use Audit and \$252,298 will carryover to FY 2020-21 for in-process projects delayed because of COVID 19.

The USE AUDIT results are comprised of:

- O&M Spending and/or Usage Variance is \$473 thousand or 2.2% under budget
- Small Capital is \$140 thousand or 6.8% under budget; there were projects in process at year end, delayed because of COVID 19, which will carryover into FY 2020-21. The Authority is holding \$565 thousand in cash to cover completion costs.
- There was one Closed Large Capital Project, PC 2, Plant 1 Grit Basins and Handling, the project costs exceeded cash collections by \$168 thousand. In March, the Authority refunded \$2.3 million to Member Agencies for Closed Large Capital Projects as of that date.
- Non-Capital Engineering had a cash balance of \$667 thousand or 80% of its budget, \$298 thousand will be refunded in the Use Audit and \$370 thousand will carry over to FY 2020-21 for in-process projects delayed because of COVID 19. Non-Capital Engineering is Studies, Assessments, Reports, etc. that will not result in a Capital Project. In accordance with GAAP, these costs are recorded as operating expenses. They are not included in the O&M Budget and are budgeted as a separate section in the Large Capital Budget.
- Non-Capital Miscellaneous is a new section moved from O&M to Capital in FY 19-20. These are Engineering miscellaneous expense items and/or contingencies. There is a cash balance of \$355 thousand or 83% of its budget; \$252 thousand will carry over into FY 2020-21 for in-process projects delayed because of COVID 19. \$102 thousand will be refunded in the Use Audit.
- Net Refund Due (O&M, Small Capital, Large Capital, Non-Capital Engineering and Non-Capital Miscellaneous) is \$845 thousand.

The overall result is a refund; however, there are some Member Agencies with O&M Spending Variances and/or Usage Variances that are over budget which resulted in owing additional assessments. This analysis will focus on the significant variances for those agencies.

O&M Variance Analysis by Member Agency, Usage and Spending:

Member Agency	O&M Variance Analysis		
	Usage Variance	Spending Variance	Total Variance
City of Laguna Beach	\$244,831	\$53,154	\$297,986
City of San Clemente	(12,753)	3,243	(9,510)
City of San Juan Capistrano	(51,560)	48,680	(2,881)
El Toro Water District	(67,106)	19,728	(47,377)
Emerald Bay Service District	1,699	3,425	5,124
Irvine Ranch Water District	(756)	3,623	2,868
Moulton Niguel Water District	(46,718)	202,889	156,171
Santa Margarita Water District	(196,160)	49,018	(147,142)
South Coast Water District	122,614	87,510	210,124
Trabuco Canyon Water District	5,909	1,381	7,289
Total Member Agency	(\$0)	\$472,652	\$472,652

- City of Laguna Beach Usage Variance is \$245 thousand under budget and spending is \$53 thousand under budget, the total variance is \$298 thousand under budget.
- City of San Clemente Usage Variance is \$13 thousand over budget and spending is \$3 thousand under budget, the net variance is \$9.5 thousand over budget.
- City of San Juan Capistrano Usage Variance is \$52 thousand over budget and spending is \$49 thousand under budget, the net variance is \$2.9 thousand over budget.
- El Toro Water District Usage Variance is \$67 thousand over budget and spending is \$20 thousand under budget, the net variance is \$47 thousand over budget.
- Emerald Bay Service District Usage Variance is \$1.7 thousand under budget and spending is \$3.4 thousand under budget, the total variance is \$5.1 thousand under budget.
- Irvine Ranch Water District Usage Variance is \$756 dollars over budget and spending is \$3.6 thousand under budget, the net variance is \$2.9 thousand under budget.
- Moulton Niguel Water District Usage Variance is \$47 thousand over budget and spending is \$203 thousand under budget, the net variance is \$156 thousand under budget.
- Santa Margarita Water District Usage Variance is \$196 thousand over budget and spending is \$49 thousand under budget, the net variance is \$147 thousand over budget.
- South Coast Water District Usage Variance is \$123 thousand under budget and spending is \$88 thousand under budget, the total variance is \$210 thousand under budget.
- Trabuco Canyon Water District Usage Variance is \$6 thousand under budget and spending is \$1.4 thousand under budget, the total variance is \$7.3 thousand under budget.

Spending Variance:

The Spending Variance is \$473 thousand under budget primarily due to:

Spending Variances			Reason
Payroll Costs including fringe benefits	\$448,239	94.8%	O&M had open positions during the Pandemic. Admin was down 1 position for six months.
Chemicals	97,612	20.7%	Improvements from New Dosing equipment offset by increased Ferric Chloride usage to comply with regulations.
Maintenance	91,345	19.3%	Due to Construction at PC 2, JB Latham, O&M maintenance was less than anticipated.
Effluent Pond Cleaning	90,000	19.0%	Project cancelled - O&M staff implemented a flushing regime for the pond to reduce sediment build up and lowered O&M costs indefinitely.
Management Support Services	81,232	17.2%	Delays in the RWQCB decision on the Salt and Nutrient Management Plan. Costs are carried over to FY20-21.
Contract Services-Digester Cleaning	49,770	10.5%	Delayed due to Construction Projects
Electricity	(217,770)	-46.1%	Utility demand charges incurred; usage is maintenance related.
Biosolids Disposal	(111,709)	-23.6%	Additional Hauling Costs; an unusually wet winter and spring rainfall.
IT	(59,907)	-12.7%	Cyber System Review and Finance System Migration to Cloud
Other Miscellaneous	3,840	0.8%	
Total Spending Variance	\$472,652	100.0%	

Calculation of Usage Variance:

1. The budget is prepared based on estimated flows, solids loading, labor usage, etc. and is reviewed with each agency as the budget is prepared.
2. Actual expenses are allocated based on actual flows, solids loading, labor usage, etc.
3. The difference between #1 and #2 is the usage variance.

Variance due to (Increased)/Decreased Usage (flows, solids loading, labor usage, etc.) compared to Budget:

Usage Variance by Member Agency	(Used More)/ Used Less \$
City of Laguna Beach	\$244,831
City of San Clemente	(12,753)
City of San Juan Capistrano	(51,560)
El Toro Water District	(67,106)
Emerald Bay Service District	1,699
Irvine Ranch Water District	(756)
Moulton Niguel Water District	(46,718)
Santa Margarita Water District	(196,160)
South Coast Water District	122,614
Trabuco Canyon Water District	5,909
Total Member Agency	\$(0)

**The three Treatment Plants Budget vs. Actual facility usage is discussed below:
PC 2**

The Project Committee was \$212 thousand or 3.6% over budget primarily due to costs incurred due to the national crises and other unanticipated operating costs; the Board approved additional expenditures of \$228 thousand not included in the original budget shown below. Budget additions were not billed to Agencies.

Budget vs. Actual Spending (in dollars):

(Over)/Under Budget															
Liquids			Solids			Common - Liquids			Common - Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code															
City of San Juan Capistrano	818,844	731,830	87,014	659,992	756,177	(96,185)	144,768	160,195	(15,427)	141,192	149,366	(8,174)	1,764,796	1,797,568	(32,772)
Moulton Niguel Water District	529,208	481,437	47,771	581,512	497,454	84,058	108,612	118,410	(9,798)	101,736	107,643	(5,907)	1,321,068	1,204,943	116,125
Santa Margarita Water District	271,348	491,400	(220,052)	1,020,436	950,258	70,178	81,456	89,682	(8,226)	133,536	141,300	(7,764)	1,506,776	1,672,640	(165,864)
South Coast Water District	619,428	555,866	63,562	499,260	679,159	(179,899)	135,712	143,590	(7,878)	94,124	99,577	(5,453)	1,348,524	1,478,192	(129,668)
Total	2,238,828	2,260,533	(21,705)	2,761,200	2,883,048	(121,848)	470,548	511,876	(41,328)	470,588	497,885	(27,297)	5,941,164	6,153,343	(212,179)
Net Budget Variance			-1.0%			-4.4%			-8.8%			-5.8%			-3.6%

Budget vs. Actual Usage:

Liquids			Solids			Common - Liquids			Common - Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual ¹	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s															
City of San Juan Capistrano	36.57%	32.4%	4.2%	23.9%	26.23%	-2.3%	30.77%	31.30%	-0.5%	30.00%	30.00%	0.0%	29.70%	29.2%	0.5%
Moulton Niguel Water District	23.64%	21.3%	2.3%	21.1%	17.25%	3.8%	23.08%	23.13%	-0.1%	21.62%	21.62%	0.0%	22.24%	19.6%	2.7%
Santa Margarita Water District	12.12%	21.7%	-9.6%	37.0%	32.96%	4.0%	17.31%	17.52%	-0.2%	28.38%	28.38%	0.0%	25.36%	27.2%	-1.8%
South Coast Water District	27.67%	24.6%	3.1%	18.1%	23.56%	-5.5%	28.84%	28.05%	0.8%	20.00%	20.00%	0.0%	22.70%	24.0%	-1.3%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

¹ Common Liquids distribution %'s changed because of work/costs, \$13,991, specific to project committee and member agencies.

PC 2 cont'd.

Liquids Variance:

- Liquids spending variance was \$22 thousand or 1.0% over budget due to increased activity.
- City of San Juan Capistrano usage was 4.2% under budget resulting in a refund of \$87 thousand.
- South Coast Water District Usage was 3.1% under budget resulting in a refund of \$64 thousand.
- Moulton Niguel Water District usage was 2.3% under budget resulting in a refund of \$48 thousand.
- Santa Margarita Water District usage was 9.6% over budget resulting in additional assessments of \$220 thousand.

Solids Variance:

- Solids spending variance was \$122 thousand or 4.4% over budget due to increased activity.
- Santa Margarita Water District usage was 4.0% under budget resulting in a refund of \$70 thousand
- Moulton Niguel Water District usage was 3.8% under budget resulting in a refund of \$84 thousand.
- South Coast Water District usage was 5.5% over budget resulting in additional assessments of \$180 thousand
- City of San Juan Capistrano usage was 2.3% over budget resulting in additional assessments of \$96 thousand

Common Spending Variance was \$69 thousand or 7.3% over budget and all participating Member Agencies will receive an additional assessment.

PC 15

The Project Committee was \$343 thousand or 11.4% under budget.

Budget vs. Actual Spending (in dollars):

(Over)/Under Budget												
Liquids			Common Liquids			AWT			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code												
City of Laguna Beach	1,042,348	964,056	78,292	288,372	233,886	54,486			1,330,720	1,197,943	132,777	
Emerald Bay Service District	32,168	34,576	(2,408)	22,736	18,447	4,289			54,904	53,023	1,881	
Moulton Niguel Water District				222,496	180,458	42,038			222,496	180,458	42,038	
South Coast Water District	731,184	584,274	146,910	227,060	184,160	42,900	451,028	474,851	(23,823)	1,409,272	1,243,286	165,986
Total	1,805,700	1,582,906	222,794	760,664	616,951	143,713	451,028	474,851	(23,823)	3,017,392	2,674,709	342,683
Net Budget Variance			12.3%			18.9%			-5.3%			11.4%

Budget vs. Actual Usage:

Budget vs. Actual Usage												
Liquids			Common Liquids			AWT			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s												
City of Laguna Beach	57.7%	60.9%	-3.2%	37.9%	37.9%	0.0%			44.1%	44.8%	-0.7%	
Emerald Bay Service District	1.8%	2.2%	-0.4%	3.0%	3.0%	0.0%			1.8%	2.0%	-0.2%	
Moulton Niguel Water District	0.0%	0.0%	0.0%	29.3%	29.2%	0.0%			7.4%	6.7%	0.6%	
South Coast Water District	40.5%	36.9%	3.6%	29.9%	29.9%	0.0%	100.0%	100.0%	0.0%	46.7%	46.5%	0.2%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

PC 15 cont'd.

Liquids Variance:

- Liquids spending variance is \$223 thousand or 12.3% under budget.
- City of Laguna Beach usage is 3.2% over budget, however spending is under budget resulting in a refund of \$78 thousand
- South Coast Water District usage is 3.6% under budget resulting in a refund of \$147 thousand
- Emerald Bay Service District usage is .4% over budget resulting in additional assessments of \$2.4 thousand.

Common Variance is \$144 thousand or 18.9% under budget and all participating Member Agencies will receive a refund.

AWT is \$24 thousand or 5.3% over budget and resulted in additional assessments for South Coast Water District.

PC 17

The Project Committee was \$105 thousand or 1.3% under budget.

Budget vs. Actual Spending (in dollars):

	(Over)/Under Budget																	
	Liquids			Solids			AWT			Common Liquids			Common Solids			Total		
	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
Member Agency Budget by Wastewater Code																		
City of Laguna Beach	18,592	2,087	16,505	596,652	466,277	130,375							56,076	61,962	(5,886)	671,320	530,326	140,994
El Toro Water District	6,088	4,295	1,793	553,728	583,745	(30,017)							102,024	112,713	(10,689)	661,840	700,753	(38,913)
Emerald Bay Service District	580	3	577	18,404	16,711	1,693							2,944	3,258	(314)	21,928	19,972	1,956
Moulton Niguel Water District	2,322,412	2,150,218	172,194	2,157,472	2,274,761	(117,289)	726,912	812,802	(85,890)	501,796	554,441	(52,645)	294,014	324,831	(30,817)	6,002,606	6,117,054	(114,448)
South Coast Water District	13,032	761	12,271	389,544	282,146	107,398							44,780	49,481	(4,701)	447,356	332,389	114,967
Total	2,360,704	2,157,364	203,340	3,715,800	3,623,640	92,160	726,912	812,802	(85,890)	501,796	554,441	(52,645)	499,838	552,246	(52,408)	7,805,050	7,700,494	104,556
Net Budget Variance	8.6%			2.5%			-11.8%			-10.5%			-10.5%			1.3%		

Budget vs. Actual Usage:

	Liquids			Solids			AWT			Common Liquids			Common Solids			Total		
	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
	Member Agency Wastewater Code Allocation %'s																	
City of Laguna Beach	0.8%	0.1%	0.7%	12.7%	12.9%	-0.1%							11.2%	11.2%	0.0%	8.6%	6.9%	1.7%
El Toro Water District	0.3%	0.2%	0.1%	14.8%	16.1%	-1.3%							20.4%	20.4%	0.0%	8.5%	9.1%	-0.6%
Emerald Bay Service District	0.0%	0.0%	0.0%	0.4%	0.5%	-0.1%							0.6%	0.6%	0.0%	0.3%	0.3%	0.0%
Moulton Niguel Water District	98.4%	99.7%	-1.3%	63.6%	62.8%	0.8%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	58.8%	58.8%	0.0%	76.9%	79.4%	-2.5%
South Coast Water District	0.6%	0.0%	0.5%	8.5%	7.8%	0.7%							9.0%	9.0%	0.0%	5.7%	4.3%	1.4%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

PC 17 cont'd.

Liquids Variance:

- Liquids spending was \$203 thousand or 8.6% under budget due to less activity
- Moulton Niguel Water District usage was 1.3% over budget, however, spending was under budget resulting in a refund of \$172 thousand
- City of Laguna Beach usage is .7% under budget and spending was under budget resulting in a refund of \$16.5 thousand
- South Coast Water District usage is at budget and spending was under budget resulting in a refund of \$12.2 thousand
- Emerald Bay Service District is at budget for both usage and spending, resulting in small refund of \$577 dollars.

Solids Variance:

- Solids spending is \$92 thousand or 2.5% under budget
- Moulton Water District usage is slightly under budget, .8%; however, spending is over budget for Co-Gen power credit offset, \$293 thousand, caused by higher than anticipated power costs. Due to the agency's majority participation in the project committee, 79.4% of total costs, it resulted in additional assessments of \$117 thousand.
- City of Laguna Beach usage is at budget and spending is under budget, resulting in a refund of \$130 thousand.
- South Coast Water District usage is at budget and spending is under budget, resulting in a refund pf \$107 thousand.
- El Toro Water District usage is 1.3% over budget resulting in additional assessments of \$30 thousand
- Emerald Bay Service District usage is at budget and spending is under budget, resulting in a refund of \$1.7 thousand.

AWT Variance:

- AWT spending is \$86 thousand or 11.8% over budget resulting in additional assessments for Moulton Niguel Water District.

Common spending variance is \$105 thousand or 10.5% over budget and all participating Member Agencies will receive additional assessments.

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**South Orange County Wastewater Authority
FY 2019-20 USE AUDIT Summary**

Actual Spending and Actual Usage							
O&M			Small Capital ²	Large Capital ³	Non-Capital ⁴	Non-Capital Misc. ⁵	Total
FY 2019-20 Budget ¹	FY 2019-20 Actual	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results
SOCWA by Member Agency							
City of Laguna Beach	\$2,397,060	\$2,099,074	\$297,986	\$28,440		\$26,671	\$357,363
City of San Clemente	146,256	155,766	(9,510)	457		991	(8,062)
City of San Juan Capistrano	2,195,284	2,198,165	(2,881)	16,756	(\$51,746)	10,599	18,558
El Toro Water District	889,676	937,053	(47,377)	(12,903)		9,344	(39,611)
Emerald Bay Service District	154,448	149,324	5,124	2,046		1,951	9,357
Irvine Ranch Water District	163,392	160,524	2,868	(25,724)			(18,112)
Moulton Niguel Water District	9,149,540	8,993,369	156,171	51,572	(38,783)	120,814	322,076
Santa Margarita Water District	2,210,540	2,357,682	(147,142)	12,160	(29,083)	37,394	(114,816)
South Coast Water District	3,946,388	3,736,264	210,124	67,153	(48,479)	55,829	310,749
Trabuco Canyon Water District	62,264	54,975	7,289				7,289
Total Member Agency	\$21,314,848	\$20,842,196	\$472,652	\$139,957	(\$168,091)	\$297,833	\$844,792

Actual Spending and Budget Usage							
O&M			Small Capital	Large Capital	Non-Capital	Non-Capital Misc.	Total
FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results
SOCWA by Member Agency							
City of Laguna Beach	\$2,397,060	\$2,343,906	\$53,154	\$28,440		\$26,671	\$112,532
City of San Clemente	146,256	143,013	3,243	457		991	4,691
City of San Juan Capistrano	2,195,284	2,146,604	48,680	16,756	(51,746)	10,599	70,119
El Toro Water District	889,676	869,948	19,728	(12,903)		9,344	27,495
Emerald Bay Service District	154,448	151,023	3,425	2,046		1,951	7,658
Irvine Ranch Water District	163,392	159,769	3,623	(25,724)			(17,356)
Moulton Niguel Water District	9,149,540	8,946,651	202,889	51,572	(38,783)	120,814	368,793
Santa Margarita Water District	2,210,540	2,161,522	49,018	12,160	(29,083)	37,394	81,345
South Coast Water District	3,946,388	3,858,878	87,510	67,153	(48,479)	55,829	188,135
Trabuco Canyon Water District	62,264	60,883	1,381				1,381
*Total Member Agency	\$21,314,848	\$20,842,196	\$472,652	\$139,957	(\$168,091)	\$297,833	\$844,792

Usage Variance (Used More)/Used Less							
O&M			Small Capital	Large Capital	Non-Capital	Non-Capital Misc.	Total
FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results
SOCWA by Member Agency							
City of Laguna Beach	\$244,831						
City of San Clemente	(12,753)						
City of San Juan Capistrano	(51,560)						
El Toro Water District	(67,106)						
Emerald Bay Service District	1,699						
Irvine Ranch Water District	(756)						
Moulton Niguel Water District	(46,718)						
Santa Margarita Water District	(196,160)						
South Coast Water District	122,614						
Trabuco Canyon Water District	5,909						
Total Member Agency	\$0						

¹Budget was \$21,314,846, the amount invoiced was \$21,314,848, \$2 rounding. The Board approved additional expenditures of \$540,923, primarily due to various unanticipated operating costs and some COVID 19 related costs. The additional Board approved expenditures are not included in the above Budget amount.

²Small Capital cash balance as of June 30, 2020 was \$704,957; \$139,957 will be refunded in the Use Audit and \$565,000 will carryover to FY 2020-21 for in-process projects delayed because of COVID 19.

³One Large Capital Project closed, PC 2, Plant 1 Grit Basins and Handling, the project costs were \$168,091 more than cash collected from Member Agencies.

⁴Non-Capital cash balance as of June 30, 2020 was \$667,341; \$297,833 will be refunded in the Use Audit and \$369,508 will carryover to FY 2020-21 for in-process projects delayed because of COVID 19.

⁵Non-Capital Misc. cash balance as of June 30, 2020 was \$354,740; \$102,442 will be refunded in the Use Audit and \$252,298 will carryover to FY 2020-21 for in-process projects delayed because of COVID 19.

**South Orange County Wastewater Authority
FY 2019-20 USE AUDIT BY MEMBER AGENCY**

	O&M			
	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
Member Agency				
City of Laguna Beach	\$2,065,332	\$1,817,869	\$247,463	88.0%
City of San Clemente	102,808	111,934	(9,126)	108.9%
City of San Juan Capistrano	1,887,028	1,906,230	(19,202)	101.0%
El Toro Water District	746,520	795,146	(48,626)	106.5%
Emerald Bay Service District	83,608	79,223	4,385	94.8%
Irvine Ranch Water District	104,728	102,694	2,034	98.1%
Moulton Niguel Water District	8,005,842	7,938,734	67,108	99.2%
Santa Margarita Water District	1,900,508	2,048,476	(147,968)	107.8%
South Coast Water District	3,407,984	3,250,829	157,155	95.4%
Trabuco Canyon Water District	41,804	35,539	6,265	85.0%
Total Member Agency	\$18,346,162	\$18,086,675	\$259,487	98.6%

Member Agency Administration and Residual Engineering Expenses Allocation Percentages

City of Laguna Beach	11.3%	10.05%	1.2%
City of San Clemente	0.6%	0.62%	-0.1%
City of San Juan Capistrano	10.3%	10.54%	-0.3%
El Toro Water District	4.1%	4.40%	-0.3%
Emerald Bay Service District	0.5%	0.44%	0.0%
Irvine Ranch Water District	0.6%	0.57%	0.0%
Moulton Niguel Water District	43.6%	43.89%	-0.3%
Santa Margarita Water District	10.4%	11.33%	-1.0%
South Coast Water District	18.6%	17.97%	0.6%
Trabuco Canyon Water District	0.2%	0.20%	0.0%
Total Allocation Percentages	100.0%	100.00%	0.0%

Residual Engineering Expenses	456,862	395,760	61,102
Administration Expenses	2,511,822	2,359,761	152,061
Less General Fund	(553,456)	(559,459)	6,003
Total Administration and Residual Engineering Expenses	2,415,228	2,196,062	219,165

Member Agency Administration and Residual Engineering Expenses and Percent Change Year over Year

	O&M			
	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
City of Laguna Beach	271,896	220,723	51,172	81.2%
City of San Clemente	13,534	13,591	(56)	100.4%
City of San Juan Capistrano	248,423	231,452	16,970	93.2%
El Toro Water District	98,278	96,546	1,732	98.2%
Emerald Bay Service District	11,007	9,619	1,388	87.4%
Irvine Ranch Water District	13,787	12,469	1,318	90.4%
Moulton Niguel Water District	1,053,950	963,912	90,038	91.5%
Santa Margarita Water District	250,197	248,724	1,474	99.4%
South Coast Water District	448,653	394,712	53,941	88.0%
Trabuco Canyon Water District	5,503	4,315	1,188	78.4%
Total Administration and Residual Engineering Expenses	2,415,228	2,196,062	219,165	90.9%

Member Agency General Fund Expenses and Member Agencies Distribution Percentages

City of Laguna Beach	59,833	10.8%	60,482	10.8%
City of San Clemente	29,917	5.4%	30,241	5.4%
City of San Juan Capistrano	59,833	10.8%	60,482	10.8%
El Toro Water District	44,875	8.1%	45,362	8.1%
Emerald Bay Service District	59,833	10.8%	60,482	10.8%
Irvine Ranch Water District	44,875	8.1%	45,362	8.1%
Moulton Niguel Water District	89,750	16.2%	90,723	16.2%
Santa Margarita Water District	59,833	10.8%	60,482	10.8%
South Coast Water District	89,750	16.2%	90,723	16.2%
Trabuco Canyon Water District	14,958	2.7%	15,121	2.7%
Total Member Agency	553,456	100.0%	559,459	100.0%

**South Orange County Wastewater Authority
FY 2019-20 USE AUDIT BY MEMBER AGENCY**

	O&M			
	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
*Member Agency Administration, Residual Engineering and General Fund Expenses and Change				
City of Laguna Beach	331,729	281,206	50,524	84.8%
City of San Clemente	43,451	43,832	(381)	100.9%
City of San Juan Capistrano	308,256	291,934	16,322	94.7%
El Toro Water District	143,152	141,907	1,245	99.1%
Emerald Bay Service District	70,840	70,101	739	99.0%
Irvine Ranch Water District	58,662	57,830	832	98.6%
Moulton Niguel Water District	1,143,699	1,054,635	89,065	92.2%
Santa Margarita Water District	310,030	309,206	825	99.7%
South Coast Water District	538,402	485,435	52,968	90.2%
Trabuco Canyon Water District	20,462	19,436	1,026	95.0%
Total Member Agency	2,968,684	2,755,521	213,163	92.8%

Total O&M Budget by Member Agency, O&M, Admin, Residual Engineering and General Fund Change

	O&M			
	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
City of Laguna Beach	2,397,061	2,099,074	297,987	87.6%
City of San Clemente	146,259	155,766	(9,507)	106.5%
City of San Juan Capistrano	2,195,284	2,198,165	(2,881)	100.1%
El Toro Water District	889,672	937,053	(47,381)	105.3%
Emerald Bay Service District	154,448	149,324	5,124	96.7%
Irvine Ranch Water District	163,390	160,524	2,866	98.2%
Moulton Niguel Water District	9,149,541	8,993,369	156,173	98.3%
Santa Margarita Water District	2,210,538	2,357,682	(147,144)	106.7%
South Coast Water District	3,946,386	3,736,264	210,123	94.7%
Trabuco Canyon Water District	62,266	54,975	7,291	88.3%
Total O&M Budget	21,314,846	20,842,196	472,650	97.8%
Billing Rounding Difference	2		2	
Amount Invoiced	\$21,314,848		\$472,652	

**South Orange County Wastewater Authority
FY 2019-20 USE AUDIT by Project Committee and Member Agency**

	16	17	18	19	20	21	22	23	24	25	
			City of San	El Toro	Emerald	Irvine Ranch	Moulton	Santa	South	Trabuco	
	City of	City of	Juan	Water	Bay Service	Water	Niguel Water	Margarita	Coast Water	Canyon Water	
	Laguna Beach	San Clemente	Capistrano	District	District	District	District	Water District	District	District	Total

O&M Actual

Project Committee	16	17	18	19	20	21	22	23	24	25	Total
PC 2 - Jay B. Latham Plant	\$ -	\$ -	\$1,797,568	\$ -	\$ -	\$ -	\$1,204,943	\$1,672,640	\$1,478,192	\$ -	\$6,153,343
PC 5 - San Juan Creek Ocean Outfall	-	91,235	60,824	-	-	-	85,142	243,295	68,454	-	548,950
PC 8 - Pretreatment Program	6,232	20,699	13,542	5,872	2,374	16,852	38,811	39,928	27,847	-	172,158
PC 12 SO- Water Reclamation Permits	-	-	34,297	-	-	-	92,235	92,614	39,830	35,539	294,514
PC 15 - Coastal Treatment Plant/AWT	1,197,943	-	-	-	53,023	-	180,458	-	1,243,286	-	2,674,709
PC 17 - Joint Regional Wastewater Reclamation	530,326	-	-	700,753	19,972	-	6,117,054	-	332,389	-	7,700,494
PC 21 Effluent Transmission Main	-	-	-	7,963	-	7,963	3,408	-	-	-	19,335
PC 23 North Coast Interceptor	29,010	-	-	-	-	-	-	-	-	-	29,010
PC 24 - Aliso Creek Ocean Outfall	54,358	-	-	80,558	3,854	77,878	216,682	-	60,831	-	494,162
Total	\$1,817,869	\$111,934	\$1,906,230	\$795,146	\$79,223	\$102,694	\$7,938,734	\$2,048,476	\$3,250,829	\$35,539	\$18,086,675

Total Admin, General Fund & Engineering	\$281,206	\$43,832	\$291,934	\$141,907	\$70,101	\$57,830	\$1,054,635	\$309,206	\$485,435	\$19,436	\$2,755,521
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Admin Allocation to Project Committees:

Project Committee	16	17	18	19	20	21	22	23	24	25	Total
PC 2 - Jay B. Latham Plant	0.0%	0.0%	94.3%	0.0%	0.0%	0.0%	15.2%	81.7%	45.5%	0.0%	34.0%
PC 5 - San Juan Creek Ocean Outfall	0.0%	81.5%	3.2%	0.0%	0.0%	0.0%	1.1%	11.9%	2.1%	0.0%	3.0%
PC 8 - Pretreatment Program	0.3%	18.5%	0.7%	0.7%	3.0%	16.4%	0.5%	1.9%	0.9%	0.0%	1.0%
PC 12 SO- Water Reclamation Permits	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	1.2%	4.5%	1.2%	100.0%	1.6%
PC 15 - Coastal Treatment Plant/AWT	65.9%	0.0%	0.0%	0.0%	66.9%	0.0%	2.3%	0.0%	38.2%	0.0%	14.8%
PC 17 - Joint Regional Wastewater Reclamation	29.2%	0.0%	0.0%	88.1%	25.2%	0.0%	77.1%	0.0%	10.2%	0.0%	42.6%
PC 21 Effluent Transmission Main	0.0%	0.0%	0.0%	1.0%	0.0%	7.8%	0.0%	0.0%	0.0%	0.0%	0.1%
PC 23 North Coast Interceptor	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
PC 24 - Aliso Creek Ocean Outfall	3.0%	0.0%	0.0%	10.1%	4.9%	75.8%	2.7%	0.0%	1.9%	0.0%	2.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Admin Allocation to Project Committees:

Project Committee	16	17	18	19	20	21	22	23	24	25	Total
PC 2 - Jay B. Latham Plant	\$ -	\$ -	\$275,293	\$ -	\$ -	\$ -	\$160,073	\$252,475	\$220,733	\$ -	\$908,574
PC 5 - San Juan Creek Ocean Outfall	-	35,727	9,315	-	-	-	11,311	36,724	10,222	-	103,298
PC 8 - Pretreatment Program	964	8,105	2,074	1,048	2,101	9,490	5,156	6,027	4,158	-	39,123
PC 12 SO- Water Reclamation Permits	-	-	5,252	-	-	-	12,253	13,979	5,948	19,436	56,868
PC 15 - Coastal Treatment Plant/AWT	185,309	-	-	-	46,918	-	23,973	-	185,655	-	441,856
PC 17 - Joint Regional Wastewater Reclamation	82,036	-	-	125,061	17,672	-	812,630	-	49,634	-	1,087,034
PC 21 Effluent Transmission Main	-	-	-	1,421	-	4,484	453	-	-	-	6,358
PC 23 North Coast Interceptor	4,488	-	-	-	-	-	-	-	-	-	4,488
PC 24 - Aliso Creek Ocean Outfall	8,409	-	-	14,377	3,411	43,856	28,785	-	9,084	-	107,921
Total	\$281,206	\$43,832	\$291,934	\$141,907	\$70,101	\$57,830	\$1,054,635	\$309,206	\$485,435	\$19,436	\$2,755,521

**South Orange County Wastewater Authority
FY 2019-20 USE AUDIT by Project Committee and Member Agency**

	16	17	18	19	20	21	22	23	24	25	
	City of	City of	City of San	El Toro	Emerald	Irvine Ranch	Moulton	Santa	South	Trabuco	
	Laguna Beach	San Clemente	Juan	Water	Bay Service	Water	Niguel Water	Margarita	Coast Water	Canyon Water	Total
			Capistrano	District	District	District	District	Water District	District	District	
USE AUDIT by Project Committee & Member Agency											
Project Committee											
PC 2 - Jay B. Latham Plant	\$ -	\$ -	\$2,072,861	\$ -	\$ -	\$ -	\$1,365,015	\$1,925,115	\$1,698,926	\$ -	\$7,061,917
PC 5 - San Juan Creek Ocean Outfall	-	126,962	70,139	-	-	-	96,453	280,018	78,676	-	652,248
PC 8 - Pretreatment Program	7,196	28,804	15,616	6,920	4,475	26,342	43,967	45,955	32,005	-	211,282
PC 12 SO- Water Reclamation Permits	-	-	39,549	-	-	-	104,488	106,593	45,777	54,975	351,382
PC 15 - Coastal Treatment Plant/AWT	1,383,252	-	-	-	99,940	-	204,432	-	1,428,941	-	3,116,565
PC 17 - Joint Regional Wastewater Reclamation	612,362	-	-	825,814	37,644	-	6,929,685	-	382,023	-	8,787,528
PC 21 Effluent Transmission Main	-	-	-	9,384	-	12,447	3,861	-	-	-	25,693
PC 23 North Coast Interceptor	33,498	-	-	-	-	-	-	-	-	-	33,498
PC 24 - Aliso Creek Ocean Outfall	62,766	-	-	94,935	7,265	121,734	245,467	-	69,915	-	602,083
Total	\$2,099,074	\$155,766	\$2,198,165	\$937,053	\$149,324	\$160,524	\$8,993,369	\$2,357,682	\$3,736,264	\$54,975	\$20,842,196

Budget Amount Invoiced¹

Project Committee											
PC 2 - Jay B. Latham Plant	\$ -	\$ -	\$2,053,084	\$ -	\$ -	\$ -	\$1,509,792	\$1,752,576	\$1,561,568	\$ -	\$6,877,020
PC 5 - San Juan Creek Ocean Outfall	-	120,360	65,616	-	-	-	90,220	262,376	73,496	-	612,068
PC 8 - Pretreatment Program	9,616	25,896	24,688	3,396	5,304	39,972	53,352	61,148	38,176	-	261,548
PC 12 SO- Water Reclamation Permits	-	-	51,896	-	-	-	131,032	134,440	51,924	62,264	431,556
PC 15 - Coastal Treatment Plant/AWT	1,544,456	-	-	-	101,424	-	254,280	-	1,631,912	-	3,532,072
PC 17 - Joint Regional Wastewater Reclamation	779,144	-	-	788,756	40,508	-	6,860,128	-	518,032	-	8,986,568
PC 21 Effluent Transmission Main	-	-	-	364	-	476	152	-	-	-	992
PC 23 North Coast Interceptor	-	-	-	-	-	-	-	-	-	-	-
PC 24 - Aliso Creek Ocean Outfall	63,844	-	-	97,160	7,212	122,944	250,584	-	71,280	-	613,024
*Total	\$2,397,060	\$146,256	\$2,195,284	\$889,676	\$154,448	\$163,392	\$9,149,540	\$2,210,540	\$3,946,388	\$62,264	\$21,314,848

USE AUDIT Entry

Project Committee											
PC 2 - Jay B. Latham Plant	\$ -	\$ -	(\$19,777)	\$ -	\$ -	\$ -	\$144,777	(\$172,539)	(\$137,358)	\$ -	(\$184,897)
PC 5 - San Juan Creek Ocean Outfall	-	(6,602)	(4,523)	-	-	-	(6,233)	(17,642)	(5,180)	-	(40,180)
PC 8 - Pretreatment Program	2,420	(2,908)	9,072	(3,524)	829	13,630	9,385	15,193	6,171	-	50,266
PC 12 SO- Water Reclamation Permits	-	-	12,347	-	-	-	26,544	27,847	6,147	7,289	80,174
PC 15 - Coastal Treatment Plant/AWT	161,204	-	-	-	1,484	-	49,848	-	202,971	-	415,507
PC 17 - Joint Regional Wastewater Reclamation	166,782	-	-	(37,058)	2,864	-	(69,557)	-	136,009	-	199,040
PC 21 Effluent Transmission Main	-	-	-	(9,020)	-	(11,971)	(3,709)	-	-	-	(24,701)
PC 23 North Coast Interceptor	(33,498)	-	-	-	-	-	-	-	-	-	(33,498)
PC 24 - Aliso Creek Ocean Outfall	1,078	-	-	2,225	(53)	1,210	5,117	-	1,365	-	10,941
Total	\$297,986	(\$9,510)	(\$2,881)	(\$47,377)	\$5,124	\$2,868	\$156,171	(\$147,142)	\$210,124	\$7,289	\$472,652

¹Budget was \$21,314,846 amount invoiced \$21,314,848, \$2 rounding. The above Budget and Amount Invoiced does not include additional Board Approved Expenditures, \$540,923.

**South Orange County Wastewater Authority
PC 02 Wastewater Distribution by Member Agency
Budget vs Actual**

(Over)/Under Budget (in dollars)															
Liquids			Solids			Common - Liquids			Common - Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code															
City of San Juan Capistrano	818,844	731,830	87,014	659,992	756,177	(96,185)	144,768	160,195	(15,427)	141,192	149,366	(8,174)	1,764,796	1,797,568	(32,772)
Moulton Niguel Water District	529,208	481,437	47,771	581,512	497,454	84,058	108,612	118,410	(9,798)	101,736	107,643	(5,907)	1,321,068	1,204,943	116,125
Santa Margarita Water District	271,348	491,400	(220,052)	1,020,436	950,258	70,178	81,456	89,682	(8,226)	133,536	141,300	(7,764)	1,506,776	1,672,640	(165,864)
South Coast Water District	619,428	555,866	63,562	499,260	679,159	(179,899)	135,712	143,590	(7,878)	94,124	99,577	(5,453)	1,348,524	1,478,192	(129,668)
Total	2,238,828	2,260,533	(21,705)	2,761,200	2,883,048	(121,848)	470,548	511,876	(41,328)	470,588	497,885	(27,297)	5,941,164	6,153,343	(212,179)
Net Budget Variance			-1.0%			-4.4%			-8.8%			-5.8%			-3.6%

(Over)/Under Budget (in dollars)															
Liquids			Solids			Common - Liquids			Common - Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual ¹	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s															
City of San Juan Capistrano	36.57%	32.4%	4.2%	23.9%	26.23%	-2.3%	30.77%	31.30%	-0.5%	30.00%	30.00%	0.0%	29.70%	29.2%	0.5%
Moulton Niguel Water District	23.64%	21.3%	2.3%	21.1%	17.25%	3.8%	23.08%	23.13%	-0.1%	21.62%	21.62%	0.0%	22.24%	19.6%	2.7%
Santa Margarita Water District	12.12%	21.7%	-9.6%	37.0%	32.96%	4.0%	17.31%	17.52%	-0.2%	28.38%	28.38%	0.0%	25.36%	27.2%	-1.8%
South Coast Water District	27.67%	24.6%	3.1%	18.1%	23.56%	-5.5%	28.84%	28.05%	0.8%	20.00%	20.00%	0.0%	22.70%	24.0%	-1.3%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

¹ Common Liquids distribution %'s changed because of work/costs, \$13,991, specific to project committee and member agencies.

South Orange County Wastewater Authority PC 05 Wastewater Distribution by Member Agency Budget vs Actual

(Over)/Under Budget (in dollars)											
Fixed			Var 5%			VAR 95%			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
Member Agency Budget by Wastewater Code											
City of San Clemente	84,604	91,235			(6,631)				84,604	91,235	(6,631)
City of San Juan Capistrano	56,404	60,824			(4,420)				56,404	60,824	(4,420)
Moulton Niguel Water District	78,944	85,142			(6,198)				78,944	85,142	(6,198)
Santa Margarita Water District	225,576	243,295			(17,719)				225,576	243,295	(17,719)
South Coast Water District	63,468	68,454			(4,986)				63,468	68,454	(4,986)
Total	508,996	548,950			(39,954)				508,996	548,950	(39,954)
Net Budget Variance											-7.8%

(Over)/Under Budget (in dollars)											
Fixed			Var 5%			VAR 95%			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
Member Agency Wastewater Code Allocation %'s											
City of San Clemente	16.6%	16.6%			0.0%				16.6%	16.6%	0.0%
City of San Juan Capistrano	11.1%	11.1%			0.0%				11.1%	11.1%	0.0%
Moulton Niguel Water District	15.5%	15.5%			0.0%				15.5%	15.5%	0.0%
Santa Margarita Water District	44.3%	44.3%			0.0%				44.3%	44.3%	0.0%
South Coast Water District	12.5%	12.5%			0.0%				12.5%	12.5%	0.0%
Total	100.0%	100.0%			0.0%				100.0%	100.0%	0.0%

South Orange County Wastewater Authority PC 08 Wastewater Distribution by Member Agency Budget vs Actual

(Over)/Under Budget (in dollars)									
Insurance			Labor			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code									
City of Laguna Beach	240	295	(55)	8,044	5,937	2,107	8,284	6,232	2,052
City of San Clemente	240	295	(55)	17,964	20,404	(2,440)	18,204	20,699	(2,495)
City of San Juan Capistrano	240	295	(55)	20,980	13,247	7,733	21,220	13,542	7,678
El Toro Water District	240	295	(55)	2,608	5,577	(2,969)	2,848	5,872	(3,024)
Emerald Bay Service District	240	295	(55)	2,632	2,079	553	2,872	2,374	498
Irvine Ranch Water District	240	295	(55)	25,380	16,557	8,823	25,620	16,852	8,768
Moulton Niguel Water District	240	295	(55)	46,444	38,516	7,928	46,684	38,811	7,873
Santa Margarita Water District	240	295	(55)	52,332	39,633	12,699	52,572	39,928	12,644
South Coast Water District	240	295	(55)	32,728	27,552	5,176	32,968	27,847	5,121
Total	2160	2656	(496)	209,112	169,502	39,610	211,272	172,158	39,114
Net Budget Variance			-23.0%			18.9%			18.5%

Insurance			Labor			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s									
City of Laguna Beach	11.1%	11.1%	0.0%	3.8%	3.5%	0.3%	3.9%	3.6%	0.3%
City of San Clemente	11.1%	11.1%	0.0%	8.6%	12.0%	-3.4%	8.6%	12.0%	-3.4%
City of San Juan Capistrano	11.1%	11.1%	0.0%	10.0%	7.8%	2.2%	10.0%	7.9%	2.2%
El Toro Water District	11.1%	11.1%	0.0%	1.2%	3.3%	-2.0%	1.3%	3.4%	-2.1%
Emerald Bay Service District	11.1%	11.1%	0.0%	1.3%	1.2%	0.0%	1.4%	1.4%	0.0%
Irvine Ranch Water District	11.1%	11.1%	0.0%	12.1%	9.8%	2.4%	12.1%	9.8%	2.3%
Moulton Niguel Water District	11.1%	11.1%	0.0%	22.2%	22.7%	-0.5%	22.1%	22.5%	-0.4%
Santa Margarita Water District	11.1%	11.1%	0.0%	25.0%	23.4%	1.6%	24.9%	23.2%	1.7%
South Coast Water District	11.1%	11.1%	0.0%	15.7%	16.3%	-0.6%	15.6%	16.2%	-0.6%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**South Orange County Wastewater Authority
PC 12 Recycled Water Distribution by Member Agency
Budget vs Actual**

**Member Agency Budget by
Wastewater Code**

City of San Juan Capistrano
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District
Trabuco Canyon Water District

Total

Net Budget Variance

(Over)/Under Budget (in dollars)								
Region 9			Equally			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
8,460	4,845	3,615	36,148	29,451	6,697	44,608	34,297	10,311
78,504	62,784	15,720	36,148	29,451	6,697	114,652	92,235	22,417
79,436	63,162	16,274	36,148	29,451	6,697	115,584	92,614	22,970
8,692	10,378	(1,686)	36,148	29,451	6,697	44,840	39,830	5,010
5,656	6,088	(432)	36,148	29,451	6,697	41,804	35,539	6,265
180,748	147,257	33,491	180,740	147,257	33,483	361,488	294,514	66,974
		18.5%			18.5%			18.5%

**Member Agency Wastewater Code
Allocation %'s**

City of San Juan Capistrano
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District
Trabuco Canyon Water District

Total

Region 9			Equally			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
4.7%	3.3%	1.4%	20.0%	20.0%	0.0%	12.3%	11.6%	0.7%
43.4%	42.6%	0.8%	20.0%	20.0%	0.0%	31.7%	31.3%	0.4%
43.9%	42.9%	1.1%	20.0%	20.0%	0.0%	32.0%	31.4%	0.5%
4.8%	7.0%	-2.2%	20.0%	20.0%	0.0%	12.4%	13.5%	-1.1%
3.1%	4.1%	-1.0%	20.0%	20.0%	0.0%	11.6%	12.1%	-0.5%
100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**South Orange County Wastewater Authority
PC 15 Wastewater Distribution by Member Agency
Budget vs Actual**

(Over)/Under Budget (in dollars)												
Liquids			Common Liquids			AWT			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code												
City of Laguna Beach	1,042,348	964,056	78,292	288,372	233,886	54,486			1,330,720	1,197,943	132,777	
Emerald Bay Service District	32,168	34,576	(2,408)	22,736	18,447	4,289			54,904	53,023	1,881	
Moulton Niguel Water District				222,496	180,458	42,038			222,496	180,458	42,038	
South Coast Water District	731,184	584,274	146,910	227,060	184,160	42,900	451,028	474,851	(23,823)	1,409,272	1,243,286	165,986
Total	1,805,700	1,582,906	222,794	760,664	616,951	143,713	451,028	474,851	(23,823)	3,017,392	2,674,709	342,683
Net Budget Variance			12.3%			18.9%			-5.3%			11.4%

(Over)/Under Budget (in dollars)												
Liquids			Common Liquids			AWT			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s												
City of Laguna Beach	57.7%	60.9%	-3.2%	37.9%	37.9%	0.0%			44.1%	44.8%	-0.7%	
Emerald Bay Service District	1.8%	2.2%	-0.4%	3.0%	3.0%	0.0%			1.8%	2.0%	-0.2%	
Moulton Niguel Water District	0.0%	0.0%	0.0%	29.3%	29.2%	0.0%			7.4%	6.7%	0.6%	
South Coast Water District	40.5%	36.9%	3.6%	29.9%	29.9%	0.0%	100.0%	100.0%	0.0%	46.7%	46.5%	0.2%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**South Orange County Wastewater Authority
PC 17 Wastewater Distribution by Member Agency
Budget vs Actual**

(Over)/Under Budget (in dollars)																		
Liquids			Solids			AWT			Common Liquids			Common Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code																		
City of Laguna Beach	18,592	2,087	16,505	596,652	466,277	130,375						56,076	61,962	(5,886)	671,320	530,326	140,994	
El Toro Water District	6,088	4,295	1,793	553,728	583,745	(30,017)						102,024	112,713	(10,689)	661,840	700,753	(38,913)	
Emerald Bay Service District	580	3	577	18,404	16,711	1,693						2,944	3,258	(314)	21,928	19,972	1,956	
Moulton Niguel Water District	2,322,412	2,150,218	172,194	2,157,472	2,274,761	(117,289)	726,912	812,802	(85,890)	501,796	554,441	(52,645)	294,014	324,831	(30,817)	6,002,606	6,117,054	(114,448)
South Coast Water District	13,032	761	12,271	389,544	282,146	107,398						44,780	49,481	(4,701)	447,356	332,389	114,967	
Total	2,360,704	2,157,364	203,340	3,715,800	3,623,640	92,160	726,912	812,802	(85,890)	501,796	554,441	(52,645)	499,838	552,246	(52,408)	7,805,050	7,700,494	104,556
Net Budget Variance			8.6%			2.5%			-11.8%			-10.5%			-10.5%			1.3%

(Over)/Under Budget (in dollars)																		
Liquids			Solids			AWT			Common Liquids			Common Solids			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s																		
City of Laguna Beach	0.8%	0.1%	0.7%	12.7%	12.9%	-0.1%						11.2%	11.2%	0.0%	8.6%	6.9%	1.7%	
El Toro Water District	0.3%	0.2%	0.1%	14.8%	16.1%	-1.3%						20.4%	20.4%	0.0%	8.5%	9.1%	-0.6%	
Emerald Bay Service District	0.0%	0.0%	0.0%	0.4%	0.5%	-0.1%						0.6%	0.6%	0.0%	0.3%	0.3%	0.0%	
Moulton Niguel Water District	98.4%	99.7%	-1.3%	63.6%	62.8%	0.8%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	58.8%	58.8%	0.0%	76.9%	79.4%	-2.5%
South Coast Water District	0.6%	0.0%	0.5%	8.5%	7.8%	0.7%						9.0%	9.0%	0.0%	5.7%	4.3%	1.4%	
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

South Orange County Wastewater Authority PC 21 Wastewater Distribution by Member Agency Budget vs Actual

(Over)/Under Budget (in dollars)									
Reach B/C/D			Reach E			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code									
El Toro Water District	248	6,477	(6,229)	56	1,486	(1,430)	304	7,963	(7,659)
Irvine Ranch Water District	248	6,477	(6,229)	56	1,486	(1,430)	304	7,963	(7,659)
Moulton Niguel Water District	-	-	-	132	3,408	(3,276)	132	3,408	(3,276)
Total	496	12,954	(12,458)	244	6,380	(6,136)	740	19,335	(18,595)
Net Budget Variance			-2511.8%			-2514.9%			-2512.8%

Reach B-C-D			Reach E			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s									
El Toro Water District	50.0%	50.0%	0.0%	23.0%	23.3%	-0.3%	41.1%	41.2%	-0.1%
Irvine Ranch Water District	50.0%	50.0%	0.0%	23.0%	23.3%	-0.3%	41.1%	41.2%	-0.1%
Moulton Niguel Water District	0.0%	0.0%	0.0%	54.1%	53.4%	0.7%	17.8%	17.6%	0.2%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**South Orange County Wastewater Authority
PC 23 Wastewater Distribution by Member Agency
Budget vs Actual**

(Over)/Under Budget (in dollars)						
North Coast Interceptor			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Budget by Wastewater Code						
City of Laguna Beach	-	29,010	(29,010)	-	29,010	(29,010)
Emerald Bay Service District	-	-	-	-	-	
Total	-	29,010	(29,010)	-	29,010	(29,010)

North Coast Interceptor			Total			
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	
Member Agency Wastewater Code Allocation %'s						
City of Laguna Beach	0.0%	100.0%	-100.0%	0.0%	100.0%	-100.0%
Emerald Bay Service District	0.0%	0.0%	0.0%	0.0%	0.0%	
Total	0.0%	100.0%	-100.0%	0.0%	100.0%	-100.0%

**South Orange County Wastewater Authority
PC 24 Wastewater Distribution by Member Agency
Budget vs Actual**

**Member Agency Budget by
Wastewater Code**

City of Laguna Beach
El Toro Water District
Emerald Bay Service District
Irvine Ranch Water District
Moulton Niguel Water District
South Coast Water District

Total

Net Budget Variance

(Over)/Under Budget (in dollars)											
Fixed			Var 5%			Var 95%			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
55,008	54,358	650	-	-	-	-	-	-	55,008	54,358	650
81,528	80,558	970	-	-	-	-	-	-	81,528	80,558	970
3,904	3,854	50	-	-	-	-	-	-	3,904	3,854	50
78,804	77,879	925	-	-	-	-	-	-	78,804	77,879	925
219,260	216,681	2,579	-	-	-	-	-	-	219,260	216,681	2,579
61,556	60,831	725	-	-	-	-	-	-	61,556	60,831	725
500,060	494,162	5,898	-	-	-	-	-	-	500,060	494,162	5,898
		1.2%									1.2%

**Member Agency Wastewater Code
Allocation %'s**

City of Laguna Beach
El Toro Water District
Emerald Bay Service District
Irvine Ranch Water District
Moulton Niguel Water District
South Coast Water District

Total

Fixed			Var 5%			Var 95%			Total		
FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance	FY 19-20 Budget	FY 19-20 Actual	Variance
11.0%	11.0%	0.0%			0.0%			0.0%	11.0%	11.0%	0.0%
16.3%	16.3%	0.0%			0.0%			0.0%	16.3%	16.3%	0.0%
0.8%	0.8%	0.0%			0.0%			0.0%	0.8%	0.8%	0.0%
15.8%	15.8%	0.0%			0.0%			0.0%	15.8%	15.8%	0.0%
43.8%	43.8%	0.0%			0.0%			0.0%	43.8%	43.8%	0.0%
12.3%	12.3%	0.0%			0.0%			0.0%	12.3%	12.3%	0.0%
100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
Not Including Residual Engineering and Admin
For the Period Ended June 30, 2020

		FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
-5000--***	Regular Salaries-O&M	4,620,132	4,384,614	235,518	94.9%
-5001--***	Overtime Salaries-O&M	109,504	99,451	10,053	90.8% (1)
-5306--***	Scheduled Holiday Work	28,692	37,133	(8,441)	129.4% (1)
-5315--***	Comp Time - O&M	7,796	24,956	(17,160)	320.1% (1)
-5401--***	Fringe Benefits IN to PC's & Depts.	3,323,840	3,252,755	71,085	97.9%
-5700--***	Standby Pay	67,600	68,268	(668)	101.0%
	Total Payroll Costs	<u>8,157,564</u>	<u>7,867,178</u>	<u>290,386</u>	<u>96.4%</u>
Other Expenses					
-5002--***	Electricity	1,022,564	1,240,334	(217,770)	121.3% (2)
-5003--***	Natural Gas	266,504	244,816	21,688	91.9%
-5004--***	Potable & Reclaimed Water	84,992	84,108	884	99.0%
-5005--***	Co-generation Power Credit	(325,004)	(618,118)	293,114	190.2% (3)
-5006--***	Chlorine/Sodium Hypochlorite	506,000	443,105	62,895	87.6%
-5007--***	Polymer Products	805,004	619,728	185,276	77.0%
-5008--***	Ferric Chloride	304,992	488,505	(183,513)	160.2% (4)
-5009--***	Odor Control Chemicals	130,000	100,042	29,958	77.0%
-5010--***	Other Chemicals - Misc.	2,996	-	2,996	0.0%
-5011--***	Laboratory Services	44,412	41,279	3,133	92.9%
-5012--***	Grit Hauling	128,252	138,647	(10,395)	108.1% (5)
-5013--***	Landscaping	159,996	169,111	(9,115)	105.7% (6)
-5014--***	Engineering - Misc.	1,000	848	152	84.8%
-5015--***	Management Support Services	360,212	307,969	52,243	85.5%
-5016--***	Audit - Environmental	600	-	600	0.0%
-5017--***	Legal Fees	28,352	74,189	(45,837)	261.7% (7)
-5018--***	Public Notices/ Public Relations	5,004	277	4,727	5.5%
-5019--***	Contract Services Misc.	199,996	277,898	(77,902)	139.0% (8)
-5021--***	Small Vehicle Expense	24,064	17,686	6,378	73.5%
-5022--***	Miscellaneous Expense	18,004	15,597	2,407	86.6%
-5023--***	Office Supplies - All	43,004	39,609	3,395	92.1%
-5024--***	Petroleum Products	49,004	45,809	3,195	93.5%
-5025--***	Uniforms	54,004	66,018	(12,014)	122.2% (9)
-5026--***	Small Vehicle Fuel	31,500	16,921	14,579	53.7%
-5027--***	Insurance - Property/Liability	210,096	261,406	(51,310)	124.4%
-5028--***	Small Tools & Supplies	74,872	65,691	9,181	87.7%
-5030--***	Trash Disposal	6,992	7,514	(522)	107.5%
-5031--***	Safety Program & Supplies	117,356	134,715	(17,359)	114.8% (10)
-5032--***	Equipment Rental	7,004	7,456	(452)	106.5%
-5033--***	Recruitment	3,004	2,936	68	97.7%
-5034--***	Travel Expense/Tech. Conferences	61,932	39,624	22,308	64.0%
-5035--***	Training Expense	55,168	44,198	10,970	80.1%
-5036--***	Laboratory Supplies	93,256	99,479	(6,223)	106.7%
-5037--***	Office Equipment	25,000	31,992	(6,992)	128.0% (11)
-5038--***	Permits	500,128	496,135	3,994	99.2%
-5039--***	Membership Dues/Fees	22,892	28,821	(5,929)	125.9% (12)
-5044--***	Offshore Monitoring	36,000	53,042	(17,042)	147.3% (13)
-5046--***	Effluent Chemistry	28,004	27,530	474	98.3%
-5047--***	Access Road Expenses	49,000	34,686	14,314	70.8%
-5048--***	Storm Damage	20,008	549	19,459	2.7%
-5049--***	Biosolids Disposal	1,355,004	1,466,713	(111,709)	108.2% (14)
-5050--***	Contract Services Generators	22,008	18,724	3,284	85.1%
-5052--***	Janitorial Services	102,008	100,490	1,518	98.5%
-5053--***	Contract Serv - Digester Cleaning	59,996	10,226	49,770	17.0%
-5054--***	Diesel Truck Maint	41,000	48,718	(7,718)	118.8% (15)
-5055--***	Diesel Truck Fuel	14,996	7,916	7,080	52.8%
-5056--***	Maintenance Equip. & Facilities (Solids)	356,004	333,411	22,593	93.7%
-5057--***	Maintenance Equip. & Facilities (Liquids)	663,000	563,956	99,044	85.1%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
Not Including Residual Engineering and Admin
For the Period Ended June 30, 2020

		FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended
-5058--***	Maintenance Equip. & Facilities (Common)	87,008	78,573	8,435	90.3%
-5059--***	Maintenance Equip. & Facilities (Co-Gen)	957,996	982,729	(24,733)	102.6% (16)
-5060--***	Maintenance Equip. & Facilities (AWT)	74,000	87,994	(13,994)	118.9% (17)
-5061--***	Mileage	2,508	2,349	159	93.7%
-5068--***	MNWD Potable Water Supplies & Svcs.	24,972	23,757	1,215	95.1%
-5069--***	Misc-Capital-Dilution & Metering Study	60,004	28,350	31,654	47.2%
-5074--***	Education Reimbursement		1,325	(1,325)	
-5076--***	SCADA Infrastructure	20,992	698	20,294	3.3%
-5077--***	IT Direct	16,080	12,672	3,408	78.8%
-5105--***	Co-Generation Power Credit - Offset	325,000	618,118	(293,118)	190.2% (3)
-5303--***	Group Insurance Waiver	14,396	14,542	(146)	101.0%
-5305--***	Medicare Tax Payments for Employees	2,784	3,456	(672)	124.1%
-5309--***	Operating Leases	21,800	23,343	(1,543)	107.1%
-5705--***	Monthly Car Allowance	28,184	31,678	(3,494)	112.4%
-5706--***	Effluent Pond Cleaning	90,000	-	90,000	0.0%
-5799--***	Zephyr Wall Costs Share - O&M	-	(28,579)	28,579	
-6500--***	IT Allocations in to PC's & Depts.	592,694	638,188	(45,494)	107.7%
	Total Other Expenses	10,188,598	10,219,497	(30,899)	100.3%
	Total O&M	18,346,162	18,086,675	259,487	98.6%

¹**Additional Board Approved Expenditures, \$523,573, not included in the above Original Budget:**

- 06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$9,895)
- 11/07/2019 Board Approved Pooled Liability Retro Adjustment (\$55,929), FE NXT upgrade (\$42,749)
- 05/14/2020 Special Meeting Board Approved PC 2 (\$50,000), PC 12 (\$35,000), PC 21 (\$100,000), PC 23 (\$30,000) Budget Adjustment
- 08/06/2020 Board Approved PC 2 (\$140,000), PC 5 (\$60,000) Budget Adjustment

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended June 30, 2020

- (1) Staff is utilizing Comp Time more than overtime and considering these line items together, the Fiscal Year Actual is slightly over budget, 1.7%.
- (2) Increased power costs in June 2020 were due to SDG&E correcting errors on several previous months and standby demand charges related to engine maintenance and additional power needs.
- (3) The value of power is higher than anticipated during the budget process. This was adjusted in the FY 2020-21 Budget.

Ferric chloride usage continues to be elevated due to sulfur type filamentous bacteria entering the plants from the collection system. O&M staff has increased Ferric dosing, trying to settle the bacteria in the primary clarifiers prior to biological treatment because these bacteria do not settle well and impact effluent quality. These bacteria are becoming more prevalent in the collection system to the plants with lower and lower sewer flows. Further increases in the dosing of ferric chloride to comply with SCAQMD permitting requirements for hydrogen sulfide gas levels used in the engine.
- (4) Grit deliveries are higher than expected due to heavy rains pushing additional debris down the sewer and into the Treatment Plants. Member agencies have been informed of the grit deposits coming from their sewer lines and requested to address the cause.
- (5) Extra tree work was needed throughout the FY at several Plants to eliminate site hazards and reduce stormwater pollutants. Other elevated expenses include additional landscaping expenses to remove trees to support the relocation of electrical gear.
- (6) Several O&M contracts were reviewed and updated for the engine at RTP.
- (7) The Stanley access control, and associated communication system, was expanded.
- (8) O&M uniform costs and restocking of winter PPE.
- (9) Additional Personal Protective Equipment (PPE) and equipment for operations under SOCWA's new COVID19 Exposure Control Plan.
- (10) Due to staffing assignments, additional items were purchased.
- (11) Membership costs increased due to the new Watershed Management Area Cooperative Agreement.
- (12) Additional costs were due to additional toxicity testing for compliance purposes.

Impacts on Biosolids hauling operations limited hauling to the Prima Deshecha Landfill and increased expenses. This included an unusually wet winter and spring and lost hauling days during COVID-19 due to split shift scheduling to isolate staff groups from each other.
- (13) Sludge hauling truck emissions control system repairs. Truck rented for several biosolids hauling trips.
- (14) The RTP gas skid required two additional media swap outs.
- (15) O&M staff completed the annual overhaul of the AWT to prepare for summer. The project included a complete shutdown, equipment inspection, and performed needed repairs.
- (16)
- (17)

**South Orange County Wastewater Authority
FY 2019-20 Actual Fringe Pool and Rate**

	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Actual	FY 2019-20 Budget	FY 2019-20 Actual
457 Plan - Employer Contribution	13,821	83,925	75,524	64,550	80,000	74,097
Accrued Administrative Leave	34,879	30,478	23,929	26,567	27,418	47,949
Accrued Holiday	221,783	220,371	234,247	244,674	272,688	251,092
Accrued Personal Leave	74,238	76,638	83,205	87,369	93,955	97,085
Accrued Sick Pay	242,262	262,987	204,767	274,389	306,722	233,159
Accrued Vacation	372,526	416,343	345,815	419,442	408,773	383,841
Bereavement Pay	1,345	8,088	10,892	10,820	8,700	9,043
Jury Duty			5,817	3,149	2,500	5,156
Disability Insurance - Private	51,728	56,122	57,924	56,713	63,648	61,659
Group Medical Insurance	948,341	1,017,679	864,239	918,687	895,048	902,394
Medicare Tax - Employer	94,167	94,550	96,326	100,314	104,301	104,441
Retiree Health Savings Program (RHS)			17,800	29,600	33,600	39,600
Retiree Health PARS Investment	500,000	504,000	210,000			
Retiree Health Benefits	281,389	384,936	354,582	423,438	433,343	456,943
Retirement - PERS Normal Costs	517,823	500,175	504,975	570,071	623,980	584,043
Retirement - PERS Unfunded Liability	432,628	499,903	599,849	743,843	867,337	867,337
Unemployment Ins./Reimbursement	1,378	1,234		11,608	1,000	
Workers Compensation Ins.	76,883	212,990	233,538	159,452	221,020	192,000

Total O&M Budget Fringe Benefits Pool	3,865,192	4,370,418	3,923,431	4,144,686	4,444,033	4,309,837
Change in Fringe Pool		13.1%	-10.2%	5.6%	7.2%	-3.0%

	Pay for Time Worked Labor Base(Regular Salaries)				
O&M	3,184,417	3,224,868	3,282,424	3,689,857	3,451,281
Environmental	815,299	789,929	827,189	930,273	933,333
Engineering including CIP Labor	305,422	377,076	396,554	433,316	397,732
Admin	695,744	857,635	896,766	1,030,445	934,332
IT	44,447	84,015	85,028	98,482	92,851
Total Pay for Time Worked Labor Base	4,976,917	5,045,329	5,333,523	6,182,373	5,809,528
Fringe Rate	78%	86.6%	73.6%	71.9%	74.2%
Change in Labor Base		1.4%	5.7%	2.9%	12.7%
					-6.0%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC
For the Period Ended June 30, 2020

	FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended	
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**	Regular Salaries-O&M	1,539,152	1,590,035	(50,883)	103.3% (1)
02-5001-**-**	Overtime Salaries-O&M	35,144	43,304	(8,160)	123.2% (1)
02-5306-**-**	Scheduled Holiday Work	13,324	15,594	(2,270)	117.0% (1)
02-5315-**-**	Comp Time - O&M	3,508	14,732	(11,224)	420.0% (1)
02-5401-**-**	Fringe Benefits IN to PC's & Depts.	1,107,296	1,179,578	(72,282)	106.5% (2)
02-5700-**-**	Standby Pay	13,520	25,745	(12,225)	190.4% (3)
	Total Payroll Costs	2,711,944	2,868,988	(157,044)	105.8%
Other Expenses					
02-5002-**-**	Electricity	399,688	571,023	(171,335)	142.9% (4)
02-5003-**-**	Natural Gas	168,004	101,819	66,185	60.6%
02-5004-**-**	Potable & Reclaimed Water	24,000	24,557	(557)	102.3%
02-5006-**-**	Chlorine/Sodium Hypochlorite	5,000	5,511	(511)	110.2% (5)
02-5007-**-**	Polymer Products	322,000	231,537	90,463	71.9%
02-5008-**-**	Ferric Chloride	103,736	164,084	(60,348)	158.2% (6)
02-5009-**-**	Odor Control Chemicals	28,988	18,719	10,269	64.6%
02-5010-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
02-5011-**-**	Laboratory Services	10,916	7,215	3,701	66.1%
02-5012-**-**	Grit Hauling	51,252	59,735	(8,483)	116.6% (7)
02-5013-**-**	Landscaping	41,780	51,084	(9,304)	122.3% (8)
02-5015-**-**	Management Support Services	33,004	42,794	(9,790)	129.7%
02-5017-**-**	Legal Fees	3,328	2,488	840	74.8%
02-5019-**-**	Contract Services Misc.	60,240	72,225	(11,985)	119.9% (9)
02-5021-**-**	Small Vehicle Expense	10,004	6,278	3,726	62.8%
02-5022-**-**	Miscellaneous Expense	8,000	8,733	(733)	109.2%
02-5023-**-**	Office Supplies - All	28,000	20,331	7,669	72.6%
02-5024-**-**	Petroleum Products	14,124	8,990	5,134	63.7%
02-5025-**-**	Uniforms	20,000	27,220	(7,220)	136.1% (10)
02-5026-**-**	Small Vehicle Fuel	15,004	8,185	6,819	54.6%
02-5027-**-**	Insurance - Property/Liability	68,556	88,375	(19,819)	128.9%
02-5028-**-**	Small Tools & Supplies	35,496	23,529	11,967	66.3%
02-5030-**-**	Trash Disposal	2,000	3,567	(1,567)	178.3% (11)
02-5031-**-**	Safety Program & Supplies	39,652	47,697	(8,045)	120.3% (12)
02-5032-**-**	Equipment Rental	3,000	3,942	(942)	131.4%
02-5033-**-**	Recruitment	1,000	710	290	71.0%
02-5034-**-**	Travel Expense/Tech. Conferences	15,964	10,200	5,764	63.9%
02-5035-**-**	Training Expense	13,168	13,646	(478)	103.6%
02-5036-**-**	Laboratory Supplies	14,520	14,118	402	97.2%
02-5037-**-**	Office Equipment	13,000	24,444	(11,444)	188.0% (13)
02-5038-**-**	Permits	22,500	20,129	2,371	89.5%
02-5039-**-**	Membership Dues/Fees	4,200	5,135	(935)	122.3% (14)
02-5049-**-**	Biosolids Disposal	450,000	632,579	(182,579)	140.6% (15)
02-5050-**-**	Contract Services Generators - 29A	10,004	11,086	(1,082)	110.8%
02-5052-**-**	Janitorial Services	41,000	47,582	(6,582)	116.1% (16)
02-5053-**-**	Contract Serv - Digester Cleaning - 29E	59,996	10,226	49,770	17.0%
02-5054-**-**	Diesel Truck Maint	21,000	22,027	(1,027)	104.9% (17)
02-5055-**-**	Diesel Truck Fuel - 37B	6,000	2,661	3,339	44.4%
02-5056-**-**	Maintenance Equip. & Facilities (Solids)	155,004	132,101	22,903	85.2%
02-5057-**-**	Maintenance Equip. & Facilities (Liquids)	254,000	154,607	99,393	60.9%
02-5058-**-**	Maintenance Equip. & Facilities (Common)	28,000	44,448	(16,448)	158.7% (18)
02-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	369,996	299,680	70,316	81.0%
02-5061-**-**	Mileage	1,504	793	711	52.7%
02-5076-**-**	SCADA Infrastructure	6,996	698	6,298	10.0%
02-5077-**-**	IT Direct	8,040	6,294	1,746	78.3%
02-5303-**-**	Group Insurance Waiver	3,600	3,636	(36)	0.0%
02-5305-**-**	Medicare Tax Payments for Employees	1,116	1,598	(482)	143.2%
02-5309-**-**	Operating Leases	21,800	23,343	(1,543)	107.1%
02-5705-**-**	Monthly Car Allowance	12,592	18,953	(6,361)	150.5%
02-5799-**-**	Zephyr Wall Costs Share - O&M	-	(28,579)	28,579	0.0%
02-6500-**-**	IT Allocations in to PC's & Depts.	197,448	212,604	(15,156)	0.0%
	Total Other Expenses	3,229,220	3,284,355	(55,135)	101.7%
	Total Expenses	5,941,164	6,153,343	(212,179)	103.6%

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC**

For the Period Ended June 30, 2020

FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended
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05 - San Juan Creek Ocean Outfall

Salary and Fringe

05-5000-**-***	Regular Salaries-O&M	102,104	116,561	(14,457)	114.2%
05-5001-**-***	Overtime Salaries-O&M	900	759	141	84.3%
05-5306-**-***	Scheduled Holiday Work		195	(195)	0.0%
05-5401-**-***	Fringe Benefits IN to PC's & Depts.	73,456	86,471	(13,015)	117.7% (2)
	Total Payroll Costs	176,460	203,985	(27,525)	115.6%

Other Expenses

05-5003-**-***	Natural Gas	500	-	500	0.0%
05-5015-**-***	Management Support Services	15,004	14,062	942	93.7%
05-5017-**-***	Legal Fees	3,012	2,569	443	85.3%
05-5027-**-***	Insurance - Property/Liability	6,248	7,621	(1,373)	122.0%
05-5031-**-***	Safety Supplies	1,004	140	864	13.9%
05-5034-**-***	Travel Expense/Tech. Conferences	3,712	2,790	922	0.0%
05-5035-**-***	Training Expense	5,988	110	5,878	1.8%
05-5036-**-***	Laboratory Supplies	19,468	24,849	(5,381)	127.6%
05-5038-**-***	Permits	196,000	222,884	(26,884)	113.7%
05-5039-**-***	Membership Dues/Fees	5,496	2,091	3,405	38.1%
05-5044-**-***	Offshore Monitoring	18,000	21,481	(3,481)	119.3%
05-5046-**-***	Effluent Chemistry	14,000	15,917	(1,917)	113.7%
05-5058-**-***	Maintenance Equip. & Facilities (Common)	1,004	-	1,004	0.0%
05-5069-**-***	Misc-Capital-Dilution & Metering Study	30,000	16,345	13,655	54.5%
05-6500-**-***	IT Allocations in to PC's & Depts.	13,100	14,105	(1,005)	107.7%
	Total Other Expenses	332,536	344,965	(12,429)	103.7%

Total Expenses

508,996	548,950	(39,954)	107.8%
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08 - Pre Treatment

Salary and Fringe

08-5000-**-***	Regular Salaries-O&M	92,352	86,084	6,268	93.2%
08-5315-**-***	Comp Time - Environment	-	335	(335)	0.0%
08-5401-**-***	Fringe Benefits IN to PC's & Depts.	66,436	63,862	2,574	96.1%
	Total Payroll Costs	158,788	150,282	8,506	94.6%

Other Expenses

08-5011-**-***	Laboratory Services	2,996	-	2,996	0.0%
08-5015-**-***	Management Support Services	2,004	-	2,004	0.0%
08-5016-**-***	Audit - Environmental	600	-	600	0.0%
08-5017-**-***	Legal Fees	2,504	906	1,598	36.2%
08-5018-**-***	Public Notices/ Public Relations	5,004	277	4,727	5.5%
08-5021-**-***	Small Vehicle Expense - 31A	1,056	43	1,013	4.1%
08-5022-**-***	Miscellaneous Expense	2,004	-	2,004	0.0%
08-5026-**-***	Small Vehicle Fuel - 37A	1,500	529	971	35.3%
08-5027-**-***	Insurance - Property/Liability	2,160	2,656	(496)	123.0%
08-5028-**-***	Small Tools & Supplies	3,876	1,486	2,390	38.3%
08-5031-**-***	Safety Program & Supplies	-	197	(197)	0.0%
08-5034-**-***	Travel Expense/Tech. Conferences	4,348	671	3,677	15.4%
08-5035-**-***	Training Expense	1,564	1,615	(51)	103.3%
08-5038-**-***	Permits and Fines	10,012	-	10,012	0.0%
08-5039-**-***	Membership Dues/Fees	1,016	741	275	72.9%
08-6500-**-***	IT Allocations in to PC's & Depts.	11,840	12,756	(916)	107.7%
	Total Other Expenses	52,484	21,877	30,607	41.7%

Total Expenses

211,272	172,158	39,114	81.5%
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12 - Water Reclamation Permits

Salary and Fringe

12-5000-**-***	Regular Salaries-O&M	35,084	57,080	(21,996)	162.7% (19)
12-5401-**-***	Fringe Benefits IN to PC's & Depts.	25,248	42,346	(17,098)	167.7% (2)
	Total Payroll Costs	60,332	99,426	(39,094)	164.8%

Other Expenses

12-5015-**-***	Management Support Services	270,000	166,440	103,560	61.6%
12-5017-**-***	Legal Fees	2,004	34	1,971	1.7%
12-5027-**-***	Insurance - Property/Liability	2,364	2,970	(606)	125.6%
12-5034-**-***	Travel Expense/Tech. Conferences	2,280	88	2,192	3.9%
12-5038-**-***	Permits	20,000	20,708	(708)	103.5%
12-6500-**-***	IT Allocations in to PC's & Depts.	4,508	4,848	(340)	107.5%
	Total Other Expenses	301,156	195,088	106,068	64.8%

Total Expenses

361,488	294,514	66,974	81.5%
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South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC
For the Period Ended June 30, 2020

	FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended	
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**-**	Regular Salaries-O&M	954,416	837,478	116,938	87.7%
15-5001-**-**-**	Overtime Salaries-O&M	18,928	15,049	3,879	79.5%
15-5306-**-**-**	Scheduled Holiday Work	2,596	4,846	(2,250)	186.7%
15-5315-**-**-**	Comp Time - O&M	4,288	3,129	1,159	0.0%
15-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	686,636	621,289	65,347	90.5%
15-5700-**-**-**	Standby Pay	27,040	9,917	17,123	36.7%
	Total Payroll Costs	1,693,904	1,491,709	202,195	88.1%
Other Expenses					
15-5002-**-**-**	Electricity	270,960	248,532	22,428	91.7%
15-5003-**-**-**	Natural Gas	3,000	2,529	471	84.3%
15-5004-**-**-**	Potable & Reclaimed Water	30,996	25,778	5,218	83.2%
15-5006-**-**-**	Chlorine/Sodium Hypochlorite	99,000	72,032	26,968	72.8%
15-5007-**-**-**	Polymer Products	1,004	-	1,004	0.0%
15-5008-**-**-**	Ferric Chloride	28,368	42,800	(14,432)	150.9% (6)
15-5009-**-**-**	Odor Control Chemicals	56,216	42,473	13,743	75.6%
15-5011-**-**-**	Laboratory Services	14,000	9,978	4,022	71.3%
15-5012-**-**-**	Grit Hauling	30,000	24,555	5,445	81.8%
15-5013-**-**-**	Landscaping	50,548	26,893	23,655	53.2%
15-5014-**-**-**	Engineering - Misc.	1,000	-	1,000	0.0%
15-5015-**-**-**	Management Support Services	4,500	19,405	(14,905)	431.2% (20)
15-5017-**-**-**	Legal Fees	15,000	6,466	8,534	43.1%
15-5019-**-**-**	Contract Services Misc.	59,036	93,146	(34,110)	157.8% (9)
15-5021-**-**-**	Small Vehicle Expense - 31A	6,004	2,161	3,843	36.0%
15-5022-**-**-**	Miscellaneous Expense	2,996	1,647	1,349	55.0%
15-5023-**-**-**	Office Supplies - All	4,004	8,847	(4,843)	221.0% (21)
15-5024-**-**-**	Petroleum Products	1,660	1,999	(339)	120.4%
15-5025-**-**-**	Uniforms	9,000	9,875	(875)	109.7% (10)
15-5026-**-**-**	Small Vehicle Fuel - 37A	5,000	1,774	3,226	35.5%
15-5027-**-**-**	Insurance - Property/Liability	35,372	43,196	(7,824)	122.1%
15-5028-**-**-**	Small Tools & Supplies	9,524	15,144	(5,620)	159.0% (22)
15-5030-**-**-**	Trash Disposal	2,996	2,030	966	67.8%
15-5031-**-**-**	Safety Program & Supplies	36,048	21,279	14,769	59.0%
15-5032-**-**-**	Equipment Rental	1,000	3,514	(2,514)	351.4% (23)
15-5033-**-**-**	Recruitment	1,000	1,255	(255)	125.5%
15-5034-**-**-**	Travel Expense/Tech. Conferences	15,968	5,847	10,121	36.6%
15-5035-**-**-**	Training Expense	13,268	13,171	97	99.3%
15-5036-**-**-**	Laboratory Supplies	16,500	15,373	1,127	93.2%
15-5037-**-**-**	Office Equipment	2,000	3,212	(1,212)	160.6% (13)
15-5038-**-**-**	Permits	23,236	9,176	14,060	39.5%
15-5039-**-**-**	Membership Dues/Fees	2,368	8,397	(6,029)	354.6% (14)
15-5047-**-**-**	Access Road Expenses	49,000	34,686	14,314	70.8%
15-5048-**-**-**	Storm Damage	20,008	549	19,459	2.7%
15-5050-**-**-**	Contract Services Generators - 29A	4,004	3,923	81	98.0%
15-5052-**-**-**	Janitorial Services	20,008	15,161	4,847	75.8%
15-5054-**-**-**	Diesel Truck Maint - 31B	996	637	359	64.0%
15-5055-**-**-**	Diesel Truck Fuel - 37B	996	-	996	0.0%
15-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	179,000	174,249	4,751	97.3%
15-5058-**-**-**	Maintenance Equip. & Facilities (Common)	22,000	7,763	14,237	35.3%
15-5060-**-**-**	Maintenance Equip. & Facilities (AWT) 41-E	37,000	17,235	19,765	46.6%
15-5061-**-**-**	Mileage	-	591	(591)	0.0%
15-5074-**-**-**	Education Reimbursement	-	1,014	(1,014)	0.0%
15-5076-**-**-**	SCADA Infrastructure	6,996	-	6,996	0.0%
15-5077-**-**-**	IT Direct	-	3,140	(3,140)	0.0%
15-5303-**-**-**	Group Insurance Waiver	3,604	3,636	(32)	100.9%
15-5305-**-**-**	Medicare Tax Payments for Employees	1,668	1,857	(189)	111.4%
15-5705-**-**-**	Monthly Car Allowance	4,200	4,242	(42)	101.0%
15-6500-**-**-**	IT Allocations in to PC's & Depts.	122,436	131,836	(9,400)	0.0%
	Total Other Expenses	1,323,488	1,183,000	140,488	89.4%
	Total Expenses	3,017,392	2,674,709	342,683	88.6%

17 - Joint Regional Wastewater Reclamation and Sludge Handling

Salary and Fringe

17-5000-**-**-**	Regular Salaries-O&M	1,797,416	1,586,774	210,642	88.3%
17-5001-**-**-**	Overtime Salaries-O&M	54,072	36,546	17,526	67.6% (24)
17-5306-**-**-**	Scheduled Holiday Work	12,772	16,032	(3,260)	125.5% (24)
17-5315-**-**-**	Comp Time - O&M	-	6,693	(6,693)	0.0% (24)
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,293,120	1,177,159	115,961	91.0%
17-5700-**-**-**	Standby Pay	27,040	32,607	(5,567)	120.6% (3)
	Total Payroll Costs	3,184,420	2,855,810	328,610	89.7%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC
For the Period Ended June 30, 2020

	FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended	
Other Expenses					
17-5002-**-**	Electricity	351,916	420,779	(68,863)	119.6% (25)
17-5003-**-**	Natural Gas	95,000	140,468	(45,468)	147.9% (26)
17-5004-**-**	Potable & Reclaimed Water	29,996	33,774	(3,778)	112.6%
17-5005-**-**	Co-generation Power Credit	(325,004)	(618,118)	293,114	190.2% (27)
17-5006-**-**	Chlorine/Sodium Hypochlorite	402,000	365,562	36,438	90.9%
17-5007-**-**	Polymer Products	482,000	388,191	93,809	80.5%
17-5008-**-**	Ferric Chloride	172,888	281,621	(108,733)	162.9% (6)
17-5009-**-**	Odor Control Chemicals	44,796	38,850	5,946	86.7%
17-5010-**-**	Other Chemicals - Misc.	1,996	-	1,996	0.0%
17-5011-**-**	Laboratory Services	16,500	12,886	3,614	78.1%
17-5012-**-**	Grit Hauling - 21A	47,000	54,357	(7,357)	115.7% (7)
17-5013-**-**	Landscaping	67,668	91,134	(23,466)	134.7% (8)
17-5015-**-**	Management Support Services	13,204	37,857	(24,653)	286.7% (20)
17-5017-**-**	Legal Fees	1,500	59,928	(58,428)	3995.2% (28)
17-5019-**-**	Contract Services Misc.	80,720	112,371	(31,651)	139.2% (9)
17-5021-**-**	Small Vehicle Expense	7,000	9,204	(2,204)	131.5% (29)
17-5022-**-**	Miscellaneous Expense	5,004	5,218	(214)	104.3%
17-5023-**-**	Office Supplies - All	11,000	10,430	570	94.8%
17-5024-**-**	Petroleum Products	33,220	34,820	(1,600)	104.8%
17-5025-**-**	Uniforms	25,004	28,924	(3,920)	115.7% (10)
17-5026-**-**	Small Vehicle Fuel	9,996	6,433	3,563	64.4%
17-5027-**-**	Insurance - Property/Liability	88,132	107,778	(19,646)	122.3%
17-5028-**-**	Small Tools & Supplies	25,976	25,532	444	98.3%
17-5030-**-**	Trash Disposal	1,996	1,916	80	96.0%
17-5031-**-**	Safety Program & Supplies	39,648	65,403	(25,755)	165.0% (12)
17-5032-**-**	Equipment Rental	3,004	-	3,004	0.0%
17-5033-**-**	Recruitment	1,004	971	33	96.7%
17-5034-**-**	Travel Expense/Tech. Conferences	15,956	17,238	(1,282)	108.0%
17-5035-**-**	Training Expense	15,172	12,656	2,516	83.4%
17-5036-**-**	Laboratory Supplies	23,208	20,118	3,090	86.7%
17-5037-**-**	Office Equipment	10,000	4,336	5,664	43.4%
17-5038-**-**	Permits	41,624	29,771	11,853	71.5%
17-5039-**-**	Membership Dues/Fees	4,312	10,365	(6,053)	240.4% (14)
17-5049-**-**	Biosolids Disposal	905,004	834,134	70,870	92.2%
17-5050-**-**	Contract Services Generators - 29A	8,000	3,715	4,285	46.4%
17-5052-**-**	Janitorial Services	41,000	37,748	3,252	92.1%
17-5054-**-**	Diesel Truck Maint	19,004	26,054	(7,050)	137.1% (17)
17-5055-**-**	Diesel Truck Fuel - 37B	8,000	5,254	2,746	65.7%
17-5056-**-**	Maintenance Equip. & Facilities (Solids)	201,000	201,311	(311)	100.2%
17-5057-**-**	Maintenance Equip. & Facilities (Liquids)	230,000	235,101	(5,101)	102.2%
17-5058-**-**	Maintenance Equip. & Facilities (Common)	35,000	26,362	8,638	75.3%
17-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	588,000	683,049	(95,049)	116.2% (30)
17-5060-**-**	Maintenance Equip. & Facilities (AWT)	37,000	70,760	(33,760)	191.2% (31)
17-5061-**-**	Mileage	1,004	965	39	96.2%
17-5068-**-**	MNWD Potable Water Supplies & Svcs.	24,972	23,757	1,215	0.0%
17-5074-**-**	Education Reimbursement	-	311	(311)	0.0%
17-5076-**-**	SCADA Infrastructure	7,000	-	7,000	0.0%
17-5077-**-**	IT Direct	8,040	3,239	4,801	40.3%
17-5105-**-**	Co-Generation Power Credit - Offset	325,000	618,118	(293,118)	190.2% (27)
17-5303-**-**	Group Insurance Waiver	7,192	7,271	(79)	101.1%
17-5705-**-**	Monthly Car Allowance	11,392	8,483	2,909	74.5%
17-5706-**-**	Effluent Pond Cleaning	90,000	-	90,000	0.0%
17-6500-**-**	IT Allocations in to PC's & Depts.	230,586	248,281	(17,695)	107.7%
	Total Other Expenses	4,620,630	4,844,684	(224,054)	104.8%
	Total Expenses	7,805,050	7,700,494	104,556	98.7%

21 - Effluent Transmission Main

Salary and Fringe					
21-5000-**-**	Regular Salaries-O&M	-	4,740	(4,740)	0.0%
21-5001-**-**	Overtime Salaries-O&M	-	2,851	(2,851)	0.0%
21-5401-**-**	Fringe Benefits IN to PC's & Depts.	-	3,517	(3,517)	0.0%
	Total Payroll Costs	-	11,108	(11,108)	0.0%
Other Expenses					
21-5014-**-**	Engineering - Misc.	-	848	(848)	0.0%
21-5015-**-**	Management Support Services	-	6,350	(6,350)	0.0%
21-5019-**-**	Contract Services Misc. - 29	-	157	(157)	0.0%
21-5027-**-**	Insurance - Property/Liability	740	872	(132)	0.0%
	Total Other Expenses	740	8,227	(7,487)	1111.8%
	Total Expenses	740	19,335	(18,595)	2612.8%

South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC
For the Period Ended June 30, 2020

	FY 2019-20 Budget¹	Actual	(Over)/Under Budget	% Expended	
23 - North Coast Interceptor					
Other Expenses					
23-5011-**-**-**	Laboratory Services	-	11,200	(11,200)	0.0%
23-5015-**-**-**	Management Support Services	-	16,011	(16,011)	0.0%
23-5017-**-**-**	Legal Fees	-	1,800	(1,800)	0.0%
	Total Other Expenses	-	29,010	(29,010)	0.0%
	Total Expenses	-	29,010	(29,010)	0.0%
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-**-**	Regular Salaries-O&M	99,608	105,861	(6,253)	106.3% (32)
24-5001-**-**-**	Overtime Salaries-O&M	460	942	(482)	204.7% (32)
24-5306-**-**-**	Scheduled Holiday Work	-	466	(466)	0.0% (32)
24-5315-**-**-**	Comp Time - O&M	-	68	(68)	0.0% (32)
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	71,648	78,533	(6,885)	109.6% (2)
	Total Payroll Costs	171,716	185,870	(14,154)	108.2%
Other Expenses					
24-5015-**-**-**	Management Support Services	22,496	5,050	17,446	22.4%
24-5017-**-**-**	Legal Fees	1,004	-	1,004	0.0%
24-5027-**-**-**	Insurance - Property/Liability	6,524	7,937	(1,413)	121.7%
24-5031-**-**-**	Safety Supplies	1,004	-	1,004	0.0%
24-5034-**-**-**	Travel Expense/Tech. Conferences	3,704	2,790	914	75.3%
24-5035-**-**-**	Training Expense	6,008	3,000	3,008	49.9%
24-5036-**-**-**	Laboratory Supplies	19,560	25,021	(5,461)	127.9%
24-5038-**-**-**	Permits	186,756	193,466	(6,710)	103.6% (33)
24-5039-**-**-**	Membership Dues/Fees	5,500	2,091	3,409	38.0%
24-5044-**-**-**	Offshore Monitoring	18,000	31,561	(13,561)	175.3% (34)
24-5046-**-**-**	Effluent Chemistry	14,004	11,612	2,392	82.9%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common) 4'	1,004	-	1,004	0.0%
24-5069-**-**-**	Misc-Capital-Dilution & Metering Study	30,004	12,005	17,999	40.0%
24-6500-**-**-**	IT Allocations in to PC's & Depts.	12,776	13,758	(982)	107.7%
	Total Other Expenses	328,344	308,292	20,052	93.9%
	Total Expenses	500,060	494,162	5,898	98.8%
	Total O&M	18,346,162	18,086,675	259,487	98.6%

¹**Additional Board Approved Expenditures,\$523,573, not included in the above Original Budget:**

06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$9,895)
11/07/2019 Board Approved Pooled Liability Retro Adjustment (\$55,929), FE NXT upgrade (\$42,749, first year)
05/14/2020 Special Meeting Board Approved PC 2 (\$50,000), PC 12 (\$35,000), PC 21 (\$100,000), PC 23 (\$30,000) Budget Adjustment
08/06/2020 Board Approved PC 2 (\$140,000), PC 5 (\$60,000) Budget Adjustment

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC**

For the Period Ended June 30, 2020

- (1) Additional Electrical and SCADA staffing expenses for operational support to construction projects. Staff is utilizing Comp Time more than Overtime and should be considered together. The combined overtime was over budget to support COVID-19 operations and after-hours shutdowns, 42%.
- (2) Fringe Rate increased primarily due to overall lower labor base, O&M hiring delays.
- (3) Standby Pay is elevated due to the rotation schedule of the staff. The overall Standby Pay for O&M is within Budget.
- (4) Increased power costs in June 2020 were due to SDG&E correcting errors on several previous months and standby demand charges related to engine maintenance and additional power needs.
- (5) A leak in the fiberglass tank required staff to drain the bleach tank and refill it. The bleach drained is stored in temporary totes and used.
- (6) Ferric chloride usage continues to be elevated due to sulfur type filamentous bacteria entering the plants from the collection system. O&M staff has increased Ferric dosing, trying to settle the bacteria in the primary clarifiers prior to biological treatment because these bacteria do not settle well and impact effluent quality. These bacteria are becoming more prevalent in the collection system to the plants with lower and lower sewer flows. Ferric chloride usage is elevated in the summer at CTP and lowers in the winter.
- (7) Grit deliveries are higher than expected due to heavy rains pushing additional debris down the sewer and into the Treatment Plants. Member agencies have been informed of the grit deposits coming from their sewer lines and requested to address the cause.
- (8) Extra tree work was needed throughout the FY at several Plants to eliminate site hazards and reduce stormwater pollutants. Other elevated expenses include additional landscaping expenses to remove trees to support the relocation of electrical gear.
- (9) The Stanley access control, and associated communication system, was expanded.
- (10) O&M uniform costs and restocking of winter PPE.
- (11) Due to cleaning projects additional trash to landfill.
- (12) Additional Personal Protective Equipment (PPE) and equipment for operations under SOCWA's new COVID19 Exposure Control Plan.
- (13) Due to staffing assignments, additional items were purchased.
- (14) Cost associated with the Watershed Management Area Cooperative Agreement.
- (15) Impacts on Biosolids hauling operations limited hauling to the Prima Deshecha Landfill and increased expenses. This included an unusually wet winter and spring and lost hauling days during COVID-19 due to split shift scheduling to isolate staff groups from each other.
- (16) Additional costs due to SOCWA's COVID19 Exposure Control Plan.
- (17) Sludge hauling truck emissions control system repairs. Truck rented for several biosolids hauling trips.
- (18) The access gates and parking lot lighting poles were removed and recoated.
- (19) This cost includes four months of intern time, for HF183 Research to address Human Source Tracking approach.
- (20) RTP and CTP stormwater assessments under the industrial stormwater program.
- (21) Document storage system improvement.
- (22) Tool replacements.
- (23) CTP staff rented equipment to replace a number of broken lights in the Headworks Building that were inaccessible with existing lift equipment.
- (24) Staff is utilizing Comp Time more than overtime and considering these line items together, the overtime budget totals 89% and is under budget.

South Orange County Wastewater Authority
O & M & Environmental Safety Costs by PC
For the Period Ended June 30, 2020

- (25) Increased power costs in June 2020 were due to SDG&E correcting errors on several previous months and standby demand charges related to engine maintenance and additional power needs.
- (26) Additional gas related to engine gas cleaning system.
- (27) The value of power is higher than anticipated during the budget process. This was adjusted in the FY20/21 Budget.
- (28) Several O&M contracts were reviewed and updated for the engine at RTP.
- (29) O&M staff overhauled the tow motor used to move the grit bins around.
- (30) The RTP gas skid required two additional media swap outs.
- (31) O&M staff completed the annual overhaul of the AWT to prepare for summer. The project included a complete shutdown, equipment inspection, and performed needed repairs.
- (32) Additional O&M labor was needed to support extra shoreline monitoring after the North Coast Interceptor spill and the recent data requests by the RWQCB after their outfall inspection.
- (33) Costs due to an increase in water quality fees from the SWRCB.
- (34) Additional costs were due to additional toxicity testing for compliance purposes.

**South Orange County Wastewater Authority
Budget vs. Actual Comparison - Engineering
For the Fiscal Year Ended June 30, 2020**

		FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	\$207,349	\$180,767	\$26,582	87.2%
01-5001-03-00-00	Overtime Salaries-O&M				
01-5306-03-00-00	Scheduled Holiday Work				
01-5401-03-00-00	Fringe Benefits IN to PC's & Dept	149,173	134,103	15,070	89.9%
	Total Payroll Costs	<u>356,522</u>	<u>314,871</u>	<u>41,652</u>	<u>88.3%</u>
Other Expenses					
01-5015-03-00-00	Management Support Services	9,600		9,600	0.0%
01-5022-03-00-00	Miscellaneous Expense	3,121	783	2,338	25.1%
01-5023-03-00-00	Office Supplies - All	204	171	33	84.0%
01-5031-03-00-00	Safety Supplies	300		300	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferenc	12,625	5,767	6,858	45.7%
01-5035-03-00-00	Training Expense	4,400	278	4,122	6.3%
01-5037-03-00-00	Office Equipment	400		400	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,350	1,120	230	83.0%
01-5061-03-00-00	Mileage	500	263	237	52.6%
01-5309-03-00-00	Operating Leases	6,695	7,764	(1,069)	116.0%
01-5705-03-00-00	Monthly Car Allowance	5,250	4,888	362	93.1%
01-5802-03-00-00	Shipping/Freight	306		306	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	55,588	59,855	(4,267)	107.7%
	Total Other Expenses	<u>100,339</u>	<u>80,889</u>	<u>19,450</u>	<u>80.6%</u>
Total Expenses		\$456,862	\$395,760	\$61,102	86.6%

¹**Additional Board Approved Expenditures,\$4,723, not included in the above Original Budget:**

06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$714)

11/07/2019 Board Approved FE NXT upgrade (\$4,009, allocated to Engineering)

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

For the Period Ended June 30, 2020

		Actual	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-6000-04-00-00	Regular Salaries-Admin or IT*	\$1,030,445	\$934,332	\$96,113	90.7%
01-6001-04-00-00	Overtime Salaries-Admin or IT	6,000	33,485	(27,485)	558.1% (1)
01-6315-04-00-00	Comp Time - Admin	5,000	9,200	(4,200)	184.0% (1)
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	741,332	693,140	48,192	93.5%
	Total Payroll Costs	1,782,777	1,670,157	112,620	93.7%
Other Expenses					
01-6101-04-00-00	HR Recruitment & Employee Relations	34,200	34,745	(545)	101.6%
01-6102-04-00-00	Subscriptions	2,000	2,058	(58)	102.9%
01-6200-04-00-00	Management Support Services	100,000	80,611	19,389	80.6%
01-6201-04-00-00	Audit	45,000	38,267	6,733	85.0%
01-6202-04-00-00	Legal	250,000	222,876	27,124	89.2%
01-6204-04-00-00	Postage	2,400	3,126	(726)	130.3% (2)
01-6223-04-00-00	Office Supplies - Admin	6,000	5,983	17	99.7%
01-6224-04-00-00	Office Equipment Admin or IT	400	1,933	(1,533)	483.1%
01-6234-04-00-00	Memberships & Trainings	90,000	94,279	(4,279)	104.8% (6)
01-6239-04-00-00	Travel & Conference	21,500	13,470	8,030	62.7% (6)
01-6241-04-00-00	Education Reimbursement	-	1,500	(1,500)	(4)
01-6310-04-00-00	Miscellaneous	23,000	25,777	(2,777)	112.1% (3)
01-6311-04-00-00	Mileage	1,188	401	787	33.8%
01-6317-04-00-00	Contract Services Misc	5,500	5,293	207	96.2%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	132,191	142,337	(10,146)	107.7% (5)
01-6601-04-00-00	Shipping/Freight	3,667	4,830	(1,163)	131.7% (5)
01-6705-04-00-00	Monthly Car Allowance	12,000	12,119	(119)	101.0%
	Total Other Expenses	729,045	689,605	39,441	94.6%
Total Expenses		\$2,511,822	\$2,359,761	\$152,061	93.9%

¹Additional Board Approved Expenditures,\$12,627, not included in the above Original Budget:

06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$3,092)

11/07/2019 Board Approved FE NXT upgrade (\$9,534, allocated to Admin)

- (1) Cost increase due to less admin FTE hours and special meetings for managers and PCs.
- (2) Cost increase due to delivery of board packets.
- (3) Primarily due to printing costs.
- (4) Employee reimbursement for expenses.
- (5) COVID related costs.
- (6) Memberships/Training and Travel/Conference considered together, 96.6% expended.

**South Orange County Wastewater Authority
FY 2019-20 Actual General Fund Expenses
(Taken From Administration Expenses)**

		Finance Committee Recommended General Fund %'s	FY 19-20 Budget	FY 19-20 Actual	(Over)/Under Budget	% Expended
Salary and Fringe						
01-6000-04-00-00	Regular Salaries-Admin & IT	Footnote #1	\$223,834	\$223,834		100.0%
01-6001-04-00-00	Overtime Salaries-Admin & IT	50%	3,000	16,742	(13,742)	558.1%
01-6315-04-00-00	Comp Time - Admin		2,500	4,600	(2,100)	184.0%
01-6401-04-00-00	Fringe Benefits IN to PC's & Depts.		161,033	166,053	(5,020)	103.1%
	Total Payroll Costs		390,367	411,229	(20,862)	105.3%
Other Expenses						
01-5018-04-00-00	Public Notices/ Public Relations	100%				
01-5027-04-00-00	Insurance - Property/Liability					
01-6101-04-00-00	Recruitment & Employee Relations					
01-6102-04-00-00	Subscriptions					
01-6200-04-00-00	Management Support Services					
01-6201-04-00-00	Audit	100%	45,000	38,267	6,733	85.0%
01-6202-04-00-00	Legal	40%	100,000	89,150	10,850	89.2%
01-6203-04-00-00	Outside Services	100%				
01-6204-04-00-00	Postage	20%	480	625	(145)	130.3%
01-6220-04-00-00	Board of Directors - Fees					
01-6223-04-00-00	Office Supplies - Admin	100%	6,000	5,983	17	99.7%
01-6224-04-00-00	Office Equipment	100%	400	1,933	(1,533)	483.1%
01-6234-04-00-00	Memberships & Trainings					
01-6239-04-00-00	Travel & Conference					
01-6240-04-00-00	Scholarship Sponsorship					
01-6310-04-00-00	Miscellaneous	20%	4,600	5,155	(555)	112.1%
01-6311-04-00-00	Mileage					
01-6317-04-00-00	Contract Services Misc					
01-6500-04-00-00	IT Allocations in to PC's & Depts.	5%	6,610	7,117	(507)	107.7%
01-6601-04-00-00	Shipping/Freight					
01-6705-04-00-00	Monthly Car Allowance					
	Total Other Expenses		163,090	148,230	14,860	90.9%
Total General Fund Expenses			\$553,456	\$559,459	(\$6,003)	101.1%

Time Allocation		
(1)	Executive Assistant	50%
	Clerk of the Board	50%
	GM	50%
	Controller	5%

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget ¹	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	\$98,482	\$92,851	\$5,631	94.3%
01-6001-05-00-00	Overtime Salaries-Admin or IT		4,020	(4,020)	(1)
01-6315-05-00-00	Comp Time - IT			-	
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	70,851	68,882	1,969	97.2%
	Total Salary & Fringe	169,333	165,753	3,580	97.9%
Other Expenses					
01-5028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-5037-05-00-00	Office Equipment	600		600	0.0%
01-6101-05-00-00	Recruitment & Employee Relations	-	365	(365)	
01-6102-05-00-00	Subscriptions	700	111	589	15.9%
01-6200-05-00-00	Management Support Services		34,550	(34,550)	
01-6234-05-00-00	Memberships & Trainings	1,000	-	1,000	0.0%
01-6239-05-00-00	Travel & Conference	3,500	2,745	755	78.4%
01-6300-05-00-00	Software Maintenance Agreements	51,967	76,051	(24,084)	146.3% (2)
01-6301-05-00-00	Hardware Maintenance Agreements	7,126	6,052	1,074	84.9%
01-6302-05-00-00	Cloud Subscriptions (Internet)	75,124	68,556	6,568	91.3%
01-6303-05-00-00	Telecommunications	127,036	144,078	(17,042)	113.4% (3)
01-6305-05-00-00	IT Professional Services	236,919	240,364	(3,445)	101.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	20,900	29,362	(8,462)	140.5% (4)
01-6307-05-00-00	Small Software Purchases & Licenses	24,908	10,968	13,940	44.0%
01-6308-05-00-00	IT Memberships	160	704	(544)	440.0%
01-6309-05-00-00	Operating Leases	55,200	59,847	(4,647)	108.4%
01-6310-05-00-00	Miscellaneous	5,000	874	4,126	17.5%
	Total Other Expenses	611,140	674,627	(63,487)	110.4%
	Total Expenses before Allocation	\$780,473	\$840,380	(\$59,907)	107.7%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(780,473)	(840,380)	59,907	107.7%
		(780,473)	(840,380)	\$59,907	107.7%
		0	0	0	

¹**Additional Board Approved Expenditures, \$56,811, not included in the above Original Budget:**

06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$518)

11/07/2019 Board Approved FE NXT upgrade (\$56,293, first year)

(1) Overtime from the transition of personnel in IT.

(2) Blackbaud Conversion.

(3) Internet and phone services.

(4) Covid-19 Related Expenses.

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

PC 02 - Jay B. Latham Plant
Member Agency

City of San Juan Capistrano

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5000__**_**	Regular Salaries-O&M	480,284	470,273	10,011	97.9%
_5001__**_**	Overtime Salaries-O&M	10,588	12,888	(2,300)	121.7%
_5002__**_**	Electricity	131,048	174,955	(43,907)	133.5%
_5003__**_**	Natural Gas	55,084	31,196	23,888	56.6%
_5004__**_**	Potable & Reclaimed Water	7,108	7,147	(39)	100.5%
02-5006-01-01-18	Chlorine/Sodium Hypochlorite	1,828	1,784	44	97.6%
02-5007-01-02-18	Polymer Products	76,964	60,728	16,236	78.9%
02-5008-01-02-18	Ferric Chloride	24,796	43,037	(18,241)	173.6%
_5009__**_**	Odor Control Chemicals	8,912	5,531	3,381	62.1%
_5010__**_**	Other Chemicals - Misc.	304	-	304	0.0%
_5011__**_**	Laboratory Services	3,648	2,225	1,423	61.0%
02-5012-01-01-18	Grit Hauling - 21A	18,744	19,339	(595)	103.2%
_5013__**_**	Landscaping	12,696	15,522	(2,826)	122.3%
_5015__**_**	Management Support Services	10,028	15,747	(5,719)	157.0%
_5017__**_**	Legal Fees	1,012	756	256	74.7%
_5019__**_**	Contract Services Misc. - 29	18,304	21,945	(3,641)	119.9%
_5021__**_**	Small Vehicle Expense - 31A	3,040	1,857	1,183	61.1%
_5022__**_**	Miscellaneous Expense	2,432	2,654	(222)	109.1%
_5023__**_**	Office Supplies - All	8,508	6,178	2,330	72.6%
_5024__**_**	Petroleum Products	4,808	2,800	2,008	58.2%
_5025__**_**	Uniforms	6,176	8,051	(1,875)	130.4%
_5026__**_**	Small Vehicle Fuel - 37A	4,560	2,421	2,139	53.1%
_5027__**_**	Insurance - Property/Liability	20,832	26,853	(6,021)	128.9%
_5028__**_**	Small Tools & Supplies	10,784	7,149	3,635	66.3%
_5030__**_**	Trash Disposal	608	1,084	(476)	178.3%
_5031__**_**	Safety Supplies	12,048	14,493	(2,445)	120.3%
_5032__**_**	Equipment Rental	912	1,198	(286)	131.3%
_5033__**_**	Recruitment	304	210	94	69.1%
_5034__**_**	Travel Expense/Tech. Conferences	4,852	3,099	1,753	63.9%
_5035__**_**	Training Expense	4,004	4,146	(142)	103.6%
_5036__**_**	Laboratory Supplies	4,852	4,354	498	89.7%
_5037__**_**	Office Equipment	3,952	7,427	(3,475)	187.9%
_5038__**_**	Permits	6,836	6,116	720	89.5%
_5039__**_**	Membership Dues/Fees	1,272	1,560	(288)	122.7%
02-5049-01-02-18	Biosolids Disposal - 21B	107,560	165,915	(58,355)	154.3%
_5050__**_**	Contract Services Generators - 29A	3,040	3,368	(328)	110.8%
_5052__**_**	Janitorial Services	12,460	14,458	(1,998)	116.0%
02-5053-01-02-18	Contract Serv - Digester Cleaning - 29E	14,340	2,682	11,658	18.7%
02-5054-01-02-18	Diesel Truck Maint - 31B	5,020	5,777	(757)	115.1%
02-5055-01-02-18	Diesel Truck Fuel - 37B	1,436	698	738	48.6%
02-5056-01-02-18	Maintenance Equip. & Facilities (Solids) 41	37,048	34,648	2,400	93.5%
02-5057-01-01-18	Maintenance Equip. & Facilities (Liquids) 4	92,900	50,053	42,847	53.9%
_5058__**_**	Maintenance Equip. & Facilities (Common)	8,508	13,506	(4,998)	158.7%
02-5059-01-02-18	Maintenance Equip. & Facilities (Co-Gen)	88,436	78,601	9,835	88.9%
_5061__**_**	Mileage	456	239	217	52.5%
_5076__**_**	SCADA Infrastructure	2,128	212	1,916	10.0%
_5077__**_**	IT Direct	2,444	1,912	532	78.2%
_5302__**_**	Performance Based Merit Pay	-	2,894	(2,894)	0.0%
_5303__**_**	Group Insurance Waiver	1,112	1,075	37	96.7%
_5305__**_**	Medicare Tax Payments for Employees	344	473	(129)	137.4%
_5306__**_**	Scheduled Holiday Work	4,116	4,638	(522)	112.7%
_5309__**_**	Operating Leases	6,624	7,093	(469)	107.1%
_5315__**_**	Comp Time - O&M	1,048	4,367	(3,319)	416.7%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	345,532	351,022	(5,490)	101.6%
_5700__**_**	Standby Pay	4,108	7,615	(3,507)	185.4%
_5705__**_**	Monthly Car Allowance	4,012	5,681	(1,669)	141.6%
_5799__**_**	Zephyr Wall Costs Share-O&M	-	(8,684)	8,684	0.0%
_6500__**_**	IT Allocations in to PC's & Depts.	59,996	64,600	(4,604)	107.7%
Total City of San Juan Capistrano		1,764,796	1,797,568	(32,772)	101.9%

Moulton Niguel Water District

_5000__**_**	Regular Salaries-O&M	346,984	311,690	35,294	89.8%
_5001__**_**	Overtime Salaries-O&M	7,844	8,600	(756)	109.6%
_5002__**_**	Electricity	91,384	116,443	(25,059)	127.4%
_5003__**_**	Natural Gas	38,412	20,763	17,649	54.1%
_5004__**_**	Potable & Reclaimed Water	5,332	4,759	573	89.3%
02-5006-01-01-22	Chlorine/Sodium Hypochlorite	1,180	1,174	6	99.5%
02-5007-01-02-22	Polymer Products	67,812	39,950	27,862	58.9%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
02-5008-01-02-22	Ferric Chloride	21,848	28,312	(6,464)	129.6%
_5009__**_**	Odor Control Chemicals	6,508	3,638	2,870	55.9%
_5010__**_**	Other Chemicals - Misc.	224	-	224	0.0%
_5011__**_**	Laboratory Services	2,512	1,464	1,048	58.3%
02-5012-01-01-22	Grit Hauling - 21A	12,116	12,722	(606)	105.0%
_5013__**_**	Landscaping	9,336	11,417	(2,081)	122.3%
_5015__**_**	Management Support Services	7,376	9,935	(2,559)	134.7%
_5017__**_**	Legal Fees	744	556	188	74.7%
_5019__**_**	Contract Services Misc. - 29	13,464	16,142	(2,678)	119.9%
_5021__**_**	Small Vehicle Expense - 31A	2,236	1,228	1,008	54.9%
_5022__**_**	Miscellaneous Expense	1,788	1,952	(164)	109.2%
_5023__**_**	Office Supplies - All	6,260	4,544	1,716	72.6%
_5024__**_**	Petroleum Products	3,268	1,842	1,426	56.4%
_5025__**_**	Uniforms	4,496	5,324	(828)	118.4%
_5026__**_**	Small Vehicle Fuel - 37A	3,352	1,601	1,751	47.8%
_5027__**_**	Insurance - Property/Liability	15,324	19,752	(4,428)	128.9%
_5028__**_**	Small Tools & Supplies	7,932	5,259	2,673	66.3%
_5030__**_**	Trash Disposal	448	797	(349)	177.9%
_5031__**_**	Safety Supplies	8,864	10,660	(1,796)	120.3%
_5032__**_**	Equipment Rental	672	881	(209)	131.1%
_5033__**_**	Recruitment	224	139	85	62.0%
_5034__**_**	Travel Expense/Tech. Conferences	3,568	2,280	1,288	63.9%
_5035__**_**	Training Expense	2,944	3,050	(106)	103.6%
_5036__**_**	Laboratory Supplies	3,340	2,864	476	85.7%
_5037__**_**	Office Equipment	2,904	5,463	(2,559)	188.1%
_5038__**_**	Permits	5,028	4,499	529	89.5%
_5039__**_**	Membership Dues/Fees	940	1,148	(208)	122.1%
02-5049-01-02-22	Biosolids Disposal - 21B	94,768	109,148	(14,380)	115.2%
_5050__**_**	Contract Services Generators - 29A	2,236	2,478	(242)	110.8%
_5052__**_**	Janitorial Services	9,164	10,634	(1,470)	116.0%
02-5053-01-02-22	Contract Serv - Digester Cleaning - 29E	12,636	1,764	10,872	14.0%
02-5054-01-02-22	Diesel Truck Maint - 31B	4,424	3,801	623	85.9%
02-5055-01-02-22	Diesel Truck Fuel - 37B	1,264	459	805	36.3%
02-5056-01-02-22	Maintenance Equip. & Facilities (Solids) 41	32,644	22,793	9,851	69.8%
02-5057-01-01-22	Maintenance Equip. & Facilities (Liquids) 4	60,040	32,927	27,113	54.8%
_5058__**_**	Maintenance Equip. & Facilities (Common)	6,260	9,934	(3,674)	158.7%
02-5059-01-02-22	Maintenance Equip. & Facilities (Co-Gen)	77,920	51,708	26,212	66.4%
_5061__**_**	Mileage	336	159	177	47.4%
_5076__**_**	SCADA Infrastructure	1,564	156	1,408	10.0%
_5077__**_**	IT Direct	1,796	1,407	389	78.3%
_5302__**_**	Performance Based Merit Pay	-	1,914	(1,914)	0.0%
_5303__**_**	Group Insurance Waiver	808	711	97	88.0%
_5305__**_**	Medicare Tax Payments for Employees	252	313	(61)	124.0%
_5306__**_**	Scheduled Holiday Work	2,996	3,074	(78)	102.6%
_5309__**_**	Operating Leases	4,872	5,217	(345)	107.1%
_5315__**_**	Comp Time - O&M	780	2,907	(2,127)	372.7%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	249,632	232,649	16,983	93.2%
_5700__**_**	Standby Pay	3,020	5,036	(2,016)	166.7%
_5705__**_**	Monthly Car Allowance	2,860	3,775	(915)	132.0%
_5799__**_**	Zephyr Wall Costs Share-O&M	-	(6,387)	6,387	0.0%
_6500__**_**	IT Allocations in to PC's & Depts.	44,132	47,517	(3,385)	107.7%
Total Moulton Niguel Water District		1,321,068	1,204,943	116,125	91.2%
Santa Margarita Water District					
_5000__**_**	Regular Salaries-O&M	347,504	416,487	(68,983)	119.9%
_5001__**_**	Overtime Salaries-O&M	8,612	11,349	(2,737)	131.8%
_5002__**_**	Electricity	77,548	140,782	(63,234)	181.5%
_5003__**_**	Natural Gas	32,596	25,103	7,493	77.0%
_5004__**_**	Potable & Reclaimed Water	6,148	6,743	(595)	109.7%
02-5006-01-01-23	Chlorine/Sodium Hypochlorite	608	1,198	(590)	197.0%
02-5007-01-02-23	Polymer Products	119,000	76,315	42,685	64.1%
02-5008-01-02-23	Ferric Chloride	38,336	54,083	(15,747)	141.1%
_5009__**_**	Odor Control Chemicals	6,824	5,035	1,789	73.8%
_5010__**_**	Other Chemicals - Misc.	228	-	228	0.0%
_5011__**_**	Laboratory Services	2,000	1,771	229	88.5%
02-5012-01-01-23	Grit Hauling - 21A	6,212	12,985	(6,773)	209.0%
_5013__**_**	Landscaping	9,544	11,670	(2,126)	122.3%
_5015__**_**	Management Support Services	7,540	10,078	(2,538)	133.7%
_5017__**_**	Legal Fees	760	568	192	74.8%
_5019__**_**	Contract Services Misc. - 29	13,760	16,500	(2,740)	119.9%
_5021__**_**	Small Vehicle Expense - 31A	2,284	1,678	606	73.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5022__**_**	Miscellaneous Expense	1,828	1,995	(167)	109.1%
_5023__**_**	Office Supplies - All	6,396	4,645	1,751	72.6%
_5024__**_**	Petroleum Products	2,412	2,156	256	89.4%
_5025__**_**	Uniforms	4,648	7,277	(2,629)	156.6%
_5026__**_**	Small Vehicle Fuel - 37A	3,428	2,188	1,240	63.8%
_5027__**_**	Insurance - Property/Liability	15,660	20,189	(4,529)	128.9%
_5028__**_**	Small Tools & Supplies	8,108	5,375	2,733	66.3%
_5030__**_**	Trash Disposal	456	815	(359)	178.7%
_5031__**_**	Safety Supplies	9,060	10,896	(1,836)	120.3%
_5032__**_**	Equipment Rental	684	900	(216)	131.6%
_5033__**_**	Recruitment	228	190	38	83.2%
_5034__**_**	Travel Expense/Tech. Conferences	3,644	2,330	1,314	63.9%
_5035__**_**	Training Expense	3,008	3,117	(109)	103.6%
_5036__**_**	Laboratory Supplies	2,660	3,465	(805)	130.3%
_5037__**_**	Office Equipment	2,968	5,584	(2,616)	188.2%
_5038__**_**	Permits	5,140	4,599	541	89.5%
_5039__**_**	Membership Dues/Fees	960	1,173	(213)	122.2%
02-5049-01-02-23	Biosolids Disposal - 21B	166,304	208,499	(42,195)	125.4%
_5050__**_**	Contract Services Generators - 29A	2,284	2,533	(249)	110.9%
_5052__**_**	Janitorial Services	9,364	10,870	(1,506)	116.1%
02-5053-01-02-23	Contract Serv - Digester Cleaning - 29E	22,172	3,371	18,801	15.2%
02-5054-01-02-23	Diesel Truck Maint - 31B	7,760	7,260	500	93.6%
02-5055-01-02-23	Diesel Truck Fuel - 37B	2,216	877	1,339	39.6%
02-5056-01-02-23	Maintenance Equip. & Facilities (Solids) 41	57,284	43,541	13,743	76.0%
02-5057-01-01-23	Maintenance Equip. & Facilities (Liquids) 4	30,784	33,609	(2,825)	109.2%
_5058__**_**	Maintenance Equip. & Facilities (Common)	6,396	10,154	(3,758)	158.8%
02-5059-01-02-23	Maintenance Equip. & Facilities (Co-Gen) .	136,740	98,775	37,965	72.2%
_5061__**_**	Mileage	344	202	142	58.8%
_5076__**_**	SCADA Infrastructure	1,596	160	1,436	10.0%
_5077__**_**	IT Direct	1,836	1,438	398	78.3%
_5302__**_**	Performance Based Merit Pay	-	2,616	(2,616)	0.0%
_5303__**_**	Group Insurance Waiver	836	972	(136)	116.3%
_5305__**_**	Medicare Tax Payments for Employees	260	427	(167)	164.3%
_5306__**_**	Scheduled Holiday Work	3,092	4,115	(1,023)	133.1%
_5309__**_**	Operating Leases	4,980	5,333	(353)	107.1%
_5315__**_**	Comp Time - O&M	876	3,900	(3,024)	445.2%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	249,996	310,914	(60,918)	124.4%
_5700__**_**	Standby Pay	3,092	6,882	(3,790)	222.6%
_5705__**_**	Monthly Car Allowance	2,668	4,911	(2,243)	184.1%
_5799__**_**	Zephyr Wall Costs Share-O&M	-	(6,529)	6,529	0.0%
_6500__**_**	IT Allocations in to PC's & Depts.	45,104	48,569	(3,465)	107.7%
Total Santa Margarita Water District		1,506,776	1,672,640	(165,864)	111.0%
South Coast Water District					
_5000__**_**	Regular Salaries-O&M	364,380	381,800	(17,420)	104.8%
_5001__**_**	Overtime Salaries-O&M	8,100	10,467	(2,367)	129.2%
_5002__**_**	Electricity	99,708	138,843	(39,135)	139.2%
_5003__**_**	Natural Gas	41,912	24,757	17,155	59.1%
_5004__**_**	Potable & Reclaimed Water	5,412	5,908	(496)	109.2%
02-5006-01-01-24	Chlorine/Sodium Hypochlorite	1,384	1,355	29	97.9%
02-5007-01-02-24	Polymer Products	58,224	54,543	3,681	93.7%
02-5008-01-02-24	Ferric Chloride	18,756	38,653	(19,897)	206.1%
_5009__**_**	Odor Control Chemicals	6,744	4,514	2,230	66.9%
_5010__**_**	Other Chemicals - Misc.	244	-	244	0.0%
_5011__**_**	Laboratory Services	2,756	1,756	1,000	63.7%
02-5012-01-01-24	Grit Hauling - 21A	14,180	14,689	(509)	103.6%
_5013__**_**	Landscaping	10,204	12,475	(2,271)	122.3%
_5015__**_**	Management Support Services	8,060	7,034	1,026	87.3%
_5017__**_**	Legal Fees	812	608	204	74.8%
_5019__**_**	Contract Services Misc. - 29	14,712	17,637	(2,925)	119.9%
_5021__**_**	Small Vehicle Expense - 31A	2,444	1,515	929	62.0%
_5022__**_**	Miscellaneous Expense	1,952	2,133	(181)	109.3%
_5023__**_**	Office Supplies - All	6,836	4,965	1,871	72.6%
_5024__**_**	Petroleum Products	3,636	2,192	1,444	60.3%
_5025__**_**	Uniforms	4,680	6,567	(1,887)	140.3%
_5026__**_**	Small Vehicle Fuel - 37A	3,664	1,975	1,689	53.9%
_5027__**_**	Insurance - Property/Liability	16,740	21,581	(4,841)	128.9%
_5028__**_**	Small Tools & Supplies	8,672	5,746	2,926	66.3%
_5030__**_**	Trash Disposal	488	871	(383)	178.5%
_5031__**_**	Safety Supplies	9,680	11,648	(1,968)	120.3%
_5032__**_**	Equipment Rental	732	963	(231)	131.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5033__**_**	Recruitment	244	171	73	70.2%
_5034__**_**	Travel Expense/Tech. Conferences	3,900	2,491	1,409	63.9%
_5035__**_**	Training Expense	3,212	3,332	(120)	103.7%
_5036__**_**	Laboratory Supplies	3,668	3,435	233	93.6%
_5037__**_**	Office Equipment	3,176	5,969	(2,793)	188.0%
_5038__**_**	Permits	5,496	4,916	580	89.4%
_5039__**_**	Membership Dues/Fees	1,028	1,254	(226)	122.0%
02-5049-01-02-24	Biosolids Disposal - 21B	81,368	149,016	(67,648)	183.1%
_5050__**_**	Contract Services Generators - 29A	2,444	2,707	(263)	110.8%
_5052__**_**	Janitorial Services	10,012	11,619	(1,607)	116.1%
02-5053-01-02-24	Contract Serv - Digester Cleaning - 29E	10,848	2,409	8,439	22.2%
02-5054-01-02-24	Diesel Truck Maint - 31B	3,796	5,189	(1,393)	136.7%
02-5055-01-02-24	Diesel Truck Fuel - 37B	1,084	627	457	57.8%
02-5056-01-02-24	Maintenance Equip. & Facilities (Solids) 41	28,028	31,119	(3,091)	111.0%
02-5057-01-01-24	Maintenance Equip. & Facilities (Liquids) 4	70,276	38,018	32,258	54.1%
_5058__**_**	Maintenance Equip. & Facilities (Common)	6,836	10,854	(4,018)	158.8%
02-5059-01-02-24	Maintenance Equip. & Facilities (Co-Gen)	66,900	70,595	(3,695)	105.5%
_5061__**_**	Mileage	368	192	176	52.2%
_5076__**_**	SCADA Infrastructure	1,708	170	1,538	10.0%
_5077__**_**	IT Direct	1,964	1,537	427	78.3%
_5302__**_**	Performance Based Merit Pay	-	2,361	(2,361)	0.0%
_5303__**_**	Group Insurance Waiver	844	877	(33)	103.9%
_5305__**_**	Medicare Tax Payments for Employees	260	386	(126)	148.3%
_5306__**_**	Scheduled Holiday Work	3,120	3,767	(647)	120.7%
_5309__**_**	Operating Leases	5,324	5,700	(376)	107.1%
_5315__**_**	Comp Time - O&M	804	3,557	(2,753)	442.5%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	262,136	284,992	(22,856)	108.7%
_5700__**_**	Standby Pay	3,300	6,211	(2,911)	188.2%
_5705__**_**	Monthly Car Allowance	3,052	4,587	(1,535)	150.3%
_5799__**_**	Zephyr Wall Costs Share-O&M	-	(6,979)	6,979	0.0%
_6500__**_**	IT Allocations in to PC's & Depts.	48,216	51,918	(3,702)	107.7%
Total South Coast Water District		1,348,524	1,478,192	(129,668)	109.6%
Total PC 02 - Jay B. Latham Plant		5,941,164	6,153,343	(212,179)	103.6%
PC 05 - San Juan Creek Ocean Outfall					
Member Agency					
City of San Clemente					
_5000__**_**	Regular Salaries-O&M	16,972	19,372	(2,400)	114.1%
05-5001-02-05-17	Overtime Salaries-O&M	148	126	22	85.2%
05-5003-01-05-17	Natural Gas	84	-	84	0.0%
05-5015-02-05-17	Management Support Services	2,492	2,337	155	93.8%
_5017__**_**	Legal Fees	500	427	73	85.4%
05-5027-01-05-17	Insurance - Property/Liability	1,040	1,267	(227)	121.8%
05-5031-02-05-17	Safety Supplies	168	23	145	13.8%
05-5034-02-05-17	Travel Expense/Tech. Conferences	616	464	152	75.3%
05-5035-02-05-17	Training Expense	996	18	978	1.8%
05-5036-02-05-17	Laboratory Supplies	3,236	4,130	(894)	127.6%
05-5038-02-05-17	Permits	32,576	37,043	(4,467)	113.7%
05-5039-02-05-17	Membership Dues/Fees	916	348	568	37.9%
05-5044-02-05-17	Offshore Monitoring - 20A	2,992	3,570	(578)	119.3%
05-5046-02-05-17	Effluent Chemistry - 20C	2,328	2,645	(317)	113.6%
05-5058-01-05-17	Maintenance Equip. & Facilities (Common)	168	-	168	0.0%
05-5069-02-05-17	Misc-Capital-Dilution & Metering Study	4,988	2,717	2,271	54.5%
05-5306-02-05-17	Scheduled Holiday Work	-	32	(32)	0.0%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	12,208	14,372	(2,164)	117.7%
_6500__**_**	IT Allocations in to PC's & Depts.	2,176	2,344	(168)	107.7%
Total City of San Clemente		84,604	91,235	(6,631)	107.8%
City of San Juan Capistrano					
_5000__**_**	Regular Salaries-O&M	11,312	12,915	(1,603)	114.2%
05-5001-02-05-18	Overtime Salaries-O&M	100	84	16	84.1%
05-5003-01-05-18	Natural Gas	56	-	56	0.0%
05-5015-02-05-18	Management Support Services	1,664	1,558	106	93.6%
_5017__**_**	Legal Fees	336	285	51	84.7%
05-5027-01-05-18	Insurance - Property/Liability	692	844	(152)	122.0%
05-5031-02-05-18	Safety Supplies	112	15	97	13.8%
05-5034-02-05-18	Travel Expense/Tech. Conferences	412	309	103	75.0%
05-5035-02-05-18	Training Expense	664	12	652	1.8%
05-5036-02-05-18	Laboratory Supplies	2,156	2,753	(597)	127.7%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
05-5038-02-05-18	Permits	21,716	24,696	(2,980)	113.7%
05-5039-02-05-18	Membership Dues/Fees	608	232	376	38.1%
05-5044-02-05-18	Offshore Monitoring - 20A	1,996	2,380	(384)	119.2%
05-5046-02-05-18	Effluent Chemistry - 20C	1,552	1,764	(212)	113.6%
05-5058-01-05-18	Maintenance Equip. & Facilities (Common)	112	-	112	0.0%
05-5069-02-05-18	Misc-Capital-Dilution & Metering Study	3,324	1,811	1,513	54.5%
05-5306-02-05-18	Scheduled Holiday Work	-	22	(22)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	8,140	9,581	(1,441)	117.7%
_6500--***	IT Allocations in to PC's & Depts.	1,452	1,563	(111)	107.6%
Total City of San Juan Capistrano		56,404	60,824	(4,420)	107.8%
Moulton Niguel Water District					
_5000--***	Regular Salaries-O&M	15,836	18,079	(2,243)	114.2%
05-5001-02-05-22	Overtime Salaries-O&M	140	118	22	84.1%
05-5003-01-05-22	Natural Gas	76	-	76	0.0%
05-5015-02-05-22	Management Support Services	2,328	2,181	147	93.7%
_5017--***	Legal Fees	468	398	70	85.1%
05-5027-01-05-22	Insurance - Property/Liability	968	1,182	(214)	122.1%
05-5031-02-05-22	Safety Supplies	156	22	134	13.9%
05-5034-02-05-22	Travel Expense/Tech. Conferences	576	433	143	75.1%
05-5035-02-05-22	Training Expense	928	17	911	1.8%
05-5036-02-05-22	Laboratory Supplies	3,020	3,854	(834)	127.6%
05-5038-02-05-22	Permits	30,400	34,569	(4,169)	113.7%
05-5039-02-05-22	Membership Dues/Fees	852	324	528	38.1%
05-5044-02-05-22	Offshore Monitoring - 20A	2,792	3,332	(540)	119.3%
05-5046-02-05-22	Effluent Chemistry - 20C	2,172	2,469	(297)	113.7%
05-5058-01-05-22	Maintenance Equip. & Facilities (Common)	156	-	156	0.0%
05-5069-02-05-22	Misc-Capital-Dilution & Metering Study	4,652	2,535	2,117	54.5%
05-5306-02-05-22	Scheduled Holiday Work	-	30	(30)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	11,392	13,412	(2,020)	117.7%
_6500--***	IT Allocations in to PC's & Depts.	2,032	2,188	(156)	107.7%
Total Moulton Niguel Water District		78,944	85,142	(6,198)	107.9%
Santa Margarita Water District					
_5000--***	Regular Salaries-O&M	45,252	51,660	(6,408)	114.2%
05-5001-02-05-23	Overtime Salaries-O&M	400	336	64	84.1%
05-5003-01-05-23	Natural Gas	220	-	220	0.0%
05-5015-02-05-23	Management Support Services	6,648	6,232	416	93.7%
_5017--***	Legal Fees	1,332	1,138	194	85.5%
05-5027-01-05-23	Insurance - Property/Liability	2,768	3,378	(610)	122.0%
05-5031-02-05-23	Safety Supplies	444	62	382	13.9%
05-5034-02-05-23	Travel Expense/Tech. Conferences	1,644	1,237	407	75.2%
05-5035-02-05-23	Training Expense	2,652	49	2,603	1.8%
05-5036-02-05-23	Laboratory Supplies	8,628	11,013	(2,385)	127.6%
05-5038-02-05-23	Permits	86,868	98,782	(11,914)	113.7%
05-5039-02-05-23	Membership Dues/Fees	2,436	927	1,509	38.0%
05-5044-02-05-23	Offshore Monitoring - 20A	7,976	9,520	(1,544)	119.4%
05-5046-02-05-23	Effluent Chemistry - 20C	6,204	7,055	(851)	113.7%
05-5058-01-05-23	Maintenance Equip. & Facilities (Common)	444	-	444	0.0%
05-5069-02-05-23	Misc-Capital-Dilution & Metering Study	13,296	7,244	6,052	54.5%
05-5306-02-05-23	Scheduled Holiday Work	-	86	(86)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	32,556	38,324	(5,768)	117.7%
_6500--***	IT Allocations in to PC's & Depts.	5,808	6,251	(443)	107.6%
Total Santa Margarita Water District		225,576	243,295	(17,719)	107.9%
South Coast Water District					
_5000--***	Regular Salaries-O&M	12,732	14,535	(1,803)	114.2%
05-5001-02-05-24	Overtime Salaries-O&M	112	95	17	84.5%
05-5003-01-05-24	Natural Gas	64	-	64	0.0%
05-5015-02-05-24	Management Support Services	1,872	1,754	118	93.7%
_5017--***	Legal Fees	376	320	56	85.2%
05-5027-01-05-24	Insurance - Property/Liability	780	950	(170)	121.8%
05-5031-02-05-24	Safety Supplies	124	17	107	14.0%
05-5034-02-05-24	Travel Expense/Tech. Conferences	464	348	116	75.0%
05-5035-02-05-24	Training Expense	748	14	734	1.8%
05-5036-02-05-24	Laboratory Supplies	2,428	3,099	(671)	127.6%
05-5038-02-05-24	Permits	24,440	27,794	(3,354)	113.7%
05-5039-02-05-24	Membership Dues/Fees	684	261	423	38.1%
05-5044-02-05-24	Offshore Monitoring - 20A	2,244	2,679	(435)	119.4%
05-5046-02-05-24	Effluent Chemistry - 20C	1,744	1,985	(241)	113.8%
05-5058-01-05-24	Maintenance Equip. & Facilities (Common)	124	-	124	0.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
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		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
05-5069-02-05-24	Misc-Capital-Dilution & Metering Study	3,740	2,038	1,702	54.5%
05-5306-02-05-24	Scheduled Holiday Work	-	24	(24)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	9,160	10,783	(1,623)	117.7%
_6500--***	IT Allocations in to PC's & Depts.	1,632	1,759	(127)	107.8%
Total South Coast Water District		63,468	68,454	(4,986)	107.9%
Total PC 05 - San Juan Creek Ocean Outfall		508,996	548,950	(39,954)	107.8%
PC 08 - Pre Treatment					
Member Agency					
City of Laguna Beach					
08-5000-02-08-16	Regular Salaries-O&M	3,556	2,993	563	84.2%
08-5011-02-08-16	Laboratory Services	116	-	116	0.0%
08-5015-02-08-16	Management Support Services	76	-	76	0.0%
08-5016-02-08-16	Audit - Environmental	24	-	24	0.0%
08-5017-02-08-16	Legal Fees	96	31	65	32.8%
08-5018-02-08-16	Public Notices/ Public Relations	192	10	182	5.0%
08-5021-02-08-16	Small Vehicle Expense - 31A	40	1	39	3.7%
08-5022-02-08-16	Miscellaneous Expense	76	-	76	0.0%
08-5026-02-08-16	Small Vehicle Fuel - 37A	56	18	38	32.9%
08-5027-02-07-16	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-16	Small Tools & Supplies	148	52	96	34.9%
08-5031-02-08-16	Safety Program & Supplies	-	7	(7)	0.0%
08-5034-02-08-16	Travel Expense/Tech. Conferences	168	23	145	13.9%
08-5035-02-08-16	Training Expense	60	56	4	93.6%
08-5038-02-08-16	Permits and Fines	384	-	384	0.0%
08-5039-02-08-16	Membership Dues/Fees	40	26	14	64.4%
08-5315-02-00-16	Comp Time - Environment	-	56	(56)	0.0%
08-5401-02-08-16	Fringe Benefits IN to PC's & Depts.	2,556	2,220	336	86.9%
08-6500-02-08-16	IT Allocations in to PC's & Depts.	456	443	13	97.3%
Total City of Laguna Beach		8,284	6,232	2,052	75.2%
City of San Clemente					
08-5000-02-08-17	Regular Salaries-O&M	7,936	10,326	(2,390)	130.1%
08-5011-02-08-17	Laboratory Services	256	-	256	0.0%
08-5015-02-08-17	Management Support Services	172	-	172	0.0%
08-5016-02-08-17	Audit - Environmental	52	-	52	0.0%
08-5017-02-08-17	Legal Fees	216	109	107	50.3%
08-5018-02-08-17	Public Notices/ Public Relations	428	33	395	7.8%
08-5021-02-08-17	Small Vehicle Expense - 31A	92	5	87	5.6%
08-5022-02-08-17	Miscellaneous Expense	172	-	172	0.0%
08-5026-02-08-17	Small Vehicle Fuel - 37A	128	63	65	49.6%
08-5027-02-07-17	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-17	Small Tools & Supplies	332	178	154	53.7%
08-5031-02-08-17	Safety Program & Supplies	-	24	(24)	0.0%
08-5034-02-08-17	Travel Expense/Tech. Conferences	372	80	292	21.6%
08-5035-02-08-17	Training Expense	136	194	(58)	142.4%
08-5038-02-08-17	Permits and Fines	860	-	860	0.0%
08-5039-02-08-17	Membership Dues/Fees	88	89	(1)	101.0%
08-5315-02-00-17	Comp Time - Environment	-	112	(112)	0.0%
08-5401-02-08-17	Fringe Benefits IN to PC's & Depts.	5,708	7,660	(1,952)	134.2%
08-6500-02-08-17	IT Allocations in to PC's & Depts.	1,016	1,530	(514)	150.6%
Total City of San Clemente		18,204	20,699	(2,495)	113.7%
City of San Juan Capistrano					
08-5000-02-08-18	Regular Salaries-O&M	9,268	6,713	2,555	72.4%
08-5011-02-08-18	Laboratory Services	300	-	300	0.0%
08-5015-02-08-18	Management Support Services	200	-	200	0.0%
08-5016-02-08-18	Audit - Environmental	60	-	60	0.0%
08-5017-02-08-18	Legal Fees	252	71	181	28.0%
08-5018-02-08-18	Public Notices/ Public Relations	500	22	478	4.3%
08-5021-02-08-18	Small Vehicle Expense - 31A	108	3	105	3.1%
08-5022-02-08-18	Miscellaneous Expense	200	-	200	0.0%
08-5026-02-08-18	Small Vehicle Fuel - 37A	152	41	111	27.2%
08-5027-02-07-18	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-18	Small Tools & Supplies	388	116	272	29.9%
08-5031-02-08-18	Safety Program & Supplies	-	15	(15)	0.0%
08-5034-02-08-18	Travel Expense/Tech. Conferences	436	52	384	12.0%
08-5035-02-08-18	Training Expense	156	126	30	80.7%
08-5038-02-08-18	Permits and Fines	1,004	-	1,004	0.0%

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		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
08-5039-02-08-18	Membership Dues/Fees	100	58	42	57.8%
08-5315-02-00-18	Comp Time - Environment	-	56	(56)	0.0%
08-5401-02-08-18	Fringe Benefits IN to PC's & Depts.	6,668	4,980	1,688	74.7%
08-6500-02-08-18	IT Allocations in to PC's & Depts.	1,188	995	193	83.7%
Total City of San Juan Capistrano		21,220	13,542	7,678	63.8%
El Toro Water District					
08-5000-02-08-19	Regular Salaries-O&M	1,152	2,809	(1,657)	243.9%
08-5011-02-08-19	Laboratory Services	36	-	36	0.0%
08-5015-02-08-19	Management Support Services	24	-	24	0.0%
08-5016-02-08-19	Audit - Environmental	8	-	8	0.0%
08-5017-02-08-19	Legal Fees	32	30	2	92.4%
08-5018-02-08-19	Public Notices/ Public Relations	64	9	55	14.1%
08-5021-02-08-19	Small Vehicle Expense - 31A	12	1	11	11.7%
08-5022-02-08-19	Miscellaneous Expense	24	-	24	0.0%
08-5026-02-08-19	Small Vehicle Fuel - 37A	20	17	3	86.4%
08-5027-02-07-19	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-19	Small Tools & Supplies	48	48	(0)	101.0%
08-5031-02-08-19	Safety Program & Supplies	-	6	(6)	0.0%
08-5034-02-08-19	Travel Expense/Tech. Conferences	56	22	34	39.1%
08-5035-02-08-19	Training Expense	20	53	(33)	263.6%
08-5038-02-08-19	Permits and Fines	124	-	124	0.0%
08-5039-02-08-19	Membership Dues/Fees	12	24	(12)	201.7%
08-5315-02-00-19	Comp Time - Environment	-	56	(56)	0.0%
08-5401-02-08-19	Fringe Benefits IN to PC's & Depts.	828	2,084	(1,256)	251.7%
08-6500-02-08-19	IT Allocations in to PC's & Depts.	148	416	(268)	281.3%
Total El Toro Water District		2,848	5,872	(3,024)	206.2%
Emerald Bay Service District					
08-5000-02-08-20	Regular Salaries-O&M	1,164	1,058	106	90.9%
08-5011-02-08-20	Laboratory Services	36	-	36	0.0%
08-5015-02-08-20	Management Support Services	24	-	24	0.0%
08-5016-02-08-20	Audit - Environmental	8	-	8	0.0%
08-5017-02-08-20	Legal Fees	32	11	21	34.8%
08-5018-02-08-20	Public Notices/ Public Relations	64	3	61	5.3%
08-5021-02-08-20	Small Vehicle Expense - 31A	12	1	11	4.3%
08-5022-02-08-20	Miscellaneous Expense	24	-	24	0.0%
08-5026-02-08-20	Small Vehicle Fuel - 37A	20	7	13	32.6%
08-5027-02-07-20	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-20	Small Tools & Supplies	48	18	30	38.1%
08-5031-02-08-20	Safety Program & Supplies	-	2	(2)	0.0%
08-5034-02-08-20	Travel Expense/Tech. Conferences	56	8	48	14.7%
08-5035-02-08-20	Training Expense	20	20	0	99.2%
08-5038-02-08-20	Permits and Fines	128	-	128	0.0%
08-5039-02-08-20	Membership Dues/Fees	12	9	3	76.0%
08-5401-02-08-20	Fringe Benefits IN to PC's & Depts.	836	785	51	93.9%
08-6500-02-08-20	IT Allocations in to PC's & Depts.	148	157	(9)	105.9%
Total Emerald Bay Service District		2,872	2,374	498	82.7%
Irvine Ranch Water District					
08-5000-02-08-21	Regular Salaries-O&M	11,208	8,426	2,782	75.2%
08-5011-02-08-21	Laboratory Services	364	-	364	0.0%
08-5015-02-08-21	Management Support Services	244	-	244	0.0%
08-5016-02-08-21	Audit - Environmental	72	-	72	0.0%
08-5017-02-08-21	Legal Fees	304	89	215	29.2%
08-5018-02-08-21	Public Notices/ Public Relations	608	27	581	4.5%
08-5021-02-08-21	Small Vehicle Expense - 31A	128	4	124	3.3%
08-5022-02-08-21	Miscellaneous Expense	244	-	244	0.0%
08-5026-02-08-21	Small Vehicle Fuel - 37A	180	52	128	28.8%
08-5027-02-07-21	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-21	Small Tools & Supplies	472	145	327	30.8%
08-5031-02-08-21	Safety Program & Supplies	-	19	(19)	0.0%
08-5034-02-08-21	Travel Expense/Tech. Conferences	528	66	462	12.4%
08-5035-02-08-21	Training Expense	188	158	30	84.1%
08-5038-02-08-21	Permits and Fines	1,216	-	1,216	0.0%
08-5039-02-08-21	Membership Dues/Fees	124	73	51	58.5%
08-5401-02-08-21	Fringe Benefits IN to PC's & Depts.	8,064	6,250	1,814	77.5%
08-6500-02-08-21	IT Allocations in to PC's & Depts.	1,436	1,249	187	86.9%
Total Irvine Ranch Water District		25,620	16,852	8,768	65.8%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
Moulton Niguel Water District					
08-5000-02-08-22	Regular Salaries-O&M	20,512	19,600	912	95.6%
08-5011-02-08-22	Laboratory Services	668	-	668	0.0%
08-5015-02-08-22	Management Support Services	444	-	444	0.0%
08-5016-02-08-22	Audit - Environmental	132	-	132	0.0%
08-5017-02-08-22	Legal Fees	556	206	350	37.1%
08-5018-02-08-22	Public Notices/ Public Relations	1,112	63	1,049	5.7%
08-5021-02-08-22	Small Vehicle Expense - 31A	236	10	226	4.2%
08-5022-02-08-22	Miscellaneous Expense	444	-	444	0.0%
08-5026-02-08-22	Small Vehicle Fuel - 37A	332	120	212	36.3%
08-5027-02-07-22	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-22	Small Tools & Supplies	860	338	522	39.3%
08-5031-02-08-22	Safety Program & Supplies	-	45	(45)	0.0%
08-5034-02-08-22	Travel Expense/Tech. Conferences	964	153	811	15.8%
08-5035-02-08-22	Training Expense	348	368	(20)	105.7%
08-5038-02-08-22	Permits and Fines	2,224	-	2,224	0.0%
08-5039-02-08-22	Membership Dues/Fees	224	169	55	75.3%
08-5401-02-08-22	Fringe Benefits IN to PC's & Depts.	14,756	14,540	216	98.5%
08-6500-02-08-22	IT Allocations in to PC's & Depts.	2,632	2,904	(272)	110.3%
Total Moulton Niguel Water District		46,684	38,811	7,873	83.1%
Santa Margarita Water District					
08-5000-02-08-23	Regular Salaries-O&M	23,104	20,168	2,936	87.3%
08-5011-02-08-23	Laboratory Services	752	-	752	0.0%
08-5015-02-08-23	Management Support Services	504	-	504	0.0%
08-5016-02-08-23	Audit - Environmental	152	-	152	0.0%
08-5017-02-08-23	Legal Fees	624	212	412	34.0%
08-5018-02-08-23	Public Notices/ Public Relations	1,252	65	1,187	5.2%
08-5021-02-08-23	Small Vehicle Expense - 31A	264	10	254	3.8%
08-5022-02-08-23	Miscellaneous Expense	504	-	504	0.0%
08-5026-02-08-23	Small Vehicle Fuel - 37A	376	124	252	33.0%
08-5027-02-07-23	Insurance - Property/Liability	240	295	(55)	123.1%
08-5028-02-08-23	Small Tools & Supplies	972	348	624	35.8%
08-5031-02-08-23	Safety Program & Supplies	-	46	(46)	0.0%
08-5034-02-08-23	Travel Expense/Tech. Conferences	1,088	157	931	14.4%
08-5035-02-08-23	Training Expense	392	378	14	96.5%
08-5038-02-08-23	Permits and Fines	2,504	-	2,504	0.0%
08-5039-02-08-23	Membership Dues/Fees	256	174	82	67.8%
08-5401-02-08-23	Fringe Benefits IN to PC's & Depts.	16,624	14,962	1,662	90.0%
08-6500-02-08-23	IT Allocations in to PC's & Depts.	2,964	2,989	(25)	100.8%
Total Santa Margarita Water District		52,572	39,928	12,644	75.9%
South Coast Water District					
08-5000-02-08-24	Regular Salaries-O&M	14,452	13,992	460	96.8%
08-5011-02-08-24	Laboratory Services	468	-	468	0.0%
08-5015-02-08-24	Management Support Services	316	-	316	0.0%
08-5016-02-08-24	Audit - Environmental	92	-	92	0.0%
08-5017-02-08-24	Legal Fees	392	147	245	37.6%
08-5018-02-08-24	Public Notices/ Public Relations	784	45	739	5.7%
08-5021-02-08-24	Small Vehicle Expense - 31A	164	7	157	4.3%
08-5022-02-08-24	Miscellaneous Expense	316	-	316	0.0%
08-5026-02-08-24	Small Vehicle Fuel - 37A	236	86	150	36.4%
08-5027-02-07-24	Insurance - Property/Liability	240	295	(55)	123.0%
08-5028-02-08-24	Small Tools & Supplies	608	242	366	39.7%
08-5031-02-08-24	Safety Program & Supplies	-	32	(32)	0.0%
08-5034-02-08-24	Travel Expense/Tech. Conferences	680	109	571	16.0%
08-5035-02-08-24	Training Expense	244	262	(18)	107.6%
08-5038-02-08-24	Permits and Fines	1,568	-	1,568	0.0%
08-5039-02-08-24	Membership Dues/Fees	160	120	40	75.3%
08-5315-02-00-24	Comp Time - Environment	-	56	(56)	0.0%
08-5401-02-08-24	Fringe Benefits IN to PC's & Depts.	10,396	10,380	16	99.8%
08-6500-02-08-24	IT Allocations in to PC's & Depts.	1,852	2,073	(221)	112.0%
Total South Coast Water District		32,968	27,847	5,121	84.5%
Total PC 08 - Pre Treatment		211,272	172,158	39,114	81.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
PC 12 - Water Reclamation Permits					
Member Agency					
City of San Juan Capistrano					
_5000--***	Regular Salaries-O&M	4,328	6,647	(2,319)	153.6%
_5015--***	Management Support Services	33,320	19,382	13,938	58.2%
_5017--***	Legal Fees	248	4	244	1.6%
_5027--***	Insurance - Property/Liability	292	346	(54)	118.5%
_5034--***	Travel Expense/Tech. Conferences	280	10	270	3.7%
_5038--***	Permits	2,468	2,411	57	97.7%
_5401--***	Fringe Benefits IN to PC's & Depts.	3,116	4,931	(1,815)	158.3%
_6500--***	IT Allocations in to PC's & Depts.	556	565	(9)	101.5%
Total City of San Juan Capistrano		44,608	34,297	10,311	76.9%
Moulton Niguel Water District					
_5000--***	Regular Salaries-O&M	11,128	17,876	(6,748)	160.6%
_5015--***	Management Support Services	85,632	52,125	33,507	60.9%
_5017--***	Legal Fees	636	11	625	1.7%
_5027--***	Insurance - Property/Liability	752	930	(178)	123.7%
_5034--***	Travel Expense/Tech. Conferences	724	28	696	3.8%
_5038--***	Permits	6,344	6,485	(141)	102.2%
_5401--***	Fringe Benefits IN to PC's & Depts.	8,008	13,262	(5,254)	165.6%
_6500--***	IT Allocations in to PC's & Depts.	1,428	1,518	(90)	106.3%
Total Moulton Niguel Water District		114,652	92,235	22,417	80.4%
Santa Margarita Water District					
_5000--***	Regular Salaries-O&M	11,220	17,950	(6,730)	160.0%
_5015--***	Management Support Services	86,332	52,339	33,993	60.6%
_5017--***	Legal Fees	640	11	629	1.7%
_5027--***	Insurance - Property/Liability	756	934	(178)	123.6%
_5034--***	Travel Expense/Tech. Conferences	728	28	700	3.8%
_5038--***	Permits	6,396	6,512	(116)	101.8%
_5401--***	Fringe Benefits IN to PC's & Depts.	8,072	13,316	(5,244)	165.0%
_6500--***	IT Allocations in to PC's & Depts.	1,440	1,524	(84)	105.9%
Total Santa Margarita Water District		115,584	92,614	22,970	80.1%
South Coast Water District					
_5000--***	Regular Salaries-O&M	4,352	7,719	(3,367)	177.4%
_5015--***	Management Support Services	33,492	22,509	10,983	67.2%
_5017--***	Legal Fees	248	5	243	1.8%
_5027--***	Insurance - Property/Liability	292	402	(110)	137.6%
_5034--***	Travel Expense/Tech. Conferences	284	12	272	4.2%
_5038--***	Permits	2,480	2,801	(321)	112.9%
_5401--***	Fringe Benefits IN to PC's & Depts.	3,132	5,727	(2,595)	182.8%
_6500--***	IT Allocations in to PC's & Depts.	560	656	(96)	117.1%
Total South Coast Water District		44,840	39,830	5,010	88.8%
Trabuco Canyon Water District					
_5000--***	Regular Salaries-O&M	4,056	6,888	(2,832)	169.8%
_5015--***	Management Support Services	31,224	20,084	11,140	64.3%
_5017--***	Legal Fees	232	4	228	1.7%
_5027--***	Insurance - Property/Liability	272	358	(86)	131.8%
_5034--***	Travel Expense/Tech. Conferences	264	11	253	4.0%
_5038--***	Permits	2,312	2,499	(187)	108.1%
_5401--***	Fringe Benefits IN to PC's & Depts.	2,920	5,110	(2,190)	175.0%
_6500--***	IT Allocations in to PC's & Depts.	524	585	(61)	111.6%
Total Trabuco Canyon Water District		41,804	35,539	6,265	85.0%
Total PC 12 - Water Reclamation Permits		361,488	294,514	66,974	81.5%
PC 15 - Coastal Treatment Plant					
Member Agency					
City of Laguna Beach					
_5000--***	Regular Salaries-O&M	429,356	368,192	61,164	85.8%
_5001--***	Overtime Salaries-O&M	9,248	7,171	2,077	77.5%
_5002--***	Electricity	156,412	145,582	10,830	93.1%
_5003--***	Natural Gas	1,432	1,511	(79)	105.5%
_5004--***	Potable & Reclaimed Water	17,280	15,107	2,173	87.4%
15-5006-01-01-16	Chlorine/Sodium Hypochlorite	572	439	133	76.7%
15-5007-01-01-16	Polymer Products	248	-	248	0.0%
15-5008-01-01-16	Ferric Chloride	16,376	26,067	(9,691)	159.2%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
15-5009-01-01-16	Odor Control Chemicals	32,452	25,868	6,584	79.7%
15-5011-02-01-16	Laboratory Services	4,040	3,039	1,001	75.2%
15-5012-01-01-16	Grit Hauling - 21A	17,316	14,955	2,361	86.4%
15-5013-01-03-16	Landscaping	19,164	10,195	8,969	53.2%
15-5014-01-03-16	Engineering - Misc.	380	-	380	0.0%
5015--***	Management Support Services	1,704	7,356	(5,652)	431.7%
15-5017-01-03-16	Legal Fees	5,688	2,451	3,237	43.1%
15-5019-01-03-16	Contract Services Misc. - 29	22,380	35,312	(12,932)	157.8%
5021--***	Small Vehicle Expense - 31A	2,276	931	1,345	40.9%
15-5022-01-03-16	Miscellaneous Expense	1,136	624	512	54.9%
15-5023-01-03-16	Office Supplies - All	1,516	3,354	(1,838)	221.2%
15-5024-01-01-16	Petroleum Products	960	1,217	(257)	126.8%
5025--***	Uniforms	4,020	4,255	(235)	105.8%
5026--***	Small Vehicle Fuel - 37A	1,896	764	1,132	40.3%
15-5027-01-03-16	Insurance - Property/Liability	13,408	16,376	(2,968)	122.1%
15-5028-01-03-16	Small Tools & Supplies	3,612	5,741	(2,129)	158.9%
15-5030-01-03-16	Trash Disposal	1,136	770	366	67.8%
15-5031-02-03-16	Safety Supplies	13,668	8,067	5,601	59.0%
15-5032-01-03-16	Equipment Rental	380	1,332	(952)	350.6%
15-5033-01-03-16	Recruitment	380	476	(96)	125.2%
5034--***	Travel Expense/Tech. Conferences	6,052	2,217	3,835	36.6%
5035--***	Training Expense	5,028	4,993	35	99.3%
15-5036-02-01-16	Laboratory Supplies	7,144	7,022	122	98.3%
15-5037-01-03-16	Office Equipment	760	1,218	(458)	160.2%
5038--***	Permits	8,808	3,479	5,329	39.5%
5039--***	Membership Dues/Fees	896	3,183	(2,287)	355.3%
15-5047-01-03-16	Access Road Expenses	18,576	13,149	5,427	70.8%
15-5048-01-03-16	Storm Damage	7,584	208	7,376	2.7%
15-5050-01-03-16	Contract Services Generators - 29A	1,516	1,487	29	98.1%
15-5052-01-03-16	Janitorial Services	7,584	5,747	1,837	75.8%
15-5054-01-01-16	Diesel Truck Maint - 31B	576	388	188	67.4%
15-5055-01-01-16	Diesel Truck Fuel - 37B	576	-	576	0.0%
15-5057-01-01-16	Maintenance Equip. & Facilities (Liquids) 4	103,328	106,125	(2,797)	102.7%
15-5058-01-03-16	Maintenance Equip. & Facilities (Common)	8,340	2,943	5,397	35.3%
5061--***	Mileage	-	255	(255)	0.0%
5074--***	Education Reimbursement	-	437	(437)	0.0%
15-5076-01-03-16	SCADA Infrastructure	2,652	-	2,652	0.0%
15-5077-01-03-16	IT Direct	-	1,190	(1,190)	0.0%
5302--***	Performance Based Merit Pay	-	862	(862)	0.0%
5303--***	Group Insurance Waiver	1,608	1,566	42	97.4%
5305--***	Medicare Tax Payments for Employees	744	800	(56)	107.6%
5306--***	Scheduled Holiday Work	1,160	2,165	(1,005)	186.7%
5315--***	Comp Time - O&M	1,916	1,491	425	77.8%
5401--***	Fringe Benefits IN to PC's & Depts.	308,892	273,785	35,107	88.6%
5700--***	Standby Pay	10,252	4,273	5,979	41.7%
5705--***	Monthly Car Allowance	1,876	1,828	48	97.4%
6500--***	IT Allocations in to PC's & Depts.	46,416	49,979	(3,563)	107.7%
Total City of Laguna Beach		1,330,720	1,197,943	132,777	90.0%
Emerald Bay Service District					
5000--***	Regular Salaries-O&M	15,268	14,340	928	93.9%
5001--***	Overtime Salaries-O&M	300	283	17	94.2%
5002--***	Electricity	4,828	5,363	(535)	111.1%
5003--***	Natural Gas	72	56	16	78.2%
5004--***	Potable & Reclaimed Water	588	584	4	99.3%
15-5006-01-01-20	Chlorine/Sodium Hypochlorite	16	16	0	98.3%
15-5007-01-01-20	Polymer Products	8	-	8	0.0%
15-5008-01-01-20	Ferric Chloride	504	935	(431)	185.5%
15-5009-01-01-20	Odor Control Chemicals	1,000	928	72	92.8%
15-5011-02-01-20	Laboratory Services	124	109	15	87.9%
15-5012-01-01-20	Grit Hauling - 21A	536	536	(0)	100.1%
15-5013-01-03-20	Landscaping	1,512	804	708	53.2%
15-5014-01-03-20	Engineering - Misc.	28	-	28	0.0%
5015--***	Management Support Services	136	580	(444)	426.6%
15-5017-01-03-20	Legal Fees	448	193	255	43.2%
15-5019-01-03-20	Contract Services Misc. - 29	1,764	2,785	(1,021)	157.9%
5021--***	Small Vehicle Expense - 31A	180	35	145	19.6%
15-5022-01-03-20	Miscellaneous Expense	88	49	39	56.0%
15-5023-01-03-20	Office Supplies - All	120	265	(145)	220.4%
15-5024-01-01-20	Petroleum Products	28	44	(16)	155.9%
5025--***	Uniforms	140	161	(21)	115.1%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5026__**_**	Small Vehicle Fuel - 37A	148	29	119	19.5%
15-5027-01-03-20	Insurance - Property/Liability	1,056	1,292	(236)	122.3%
15-5028-01-03-20	Small Tools & Supplies	284	453	(169)	159.4%
15-5030-01-03-20	Trash Disposal	88	61	27	69.0%
15-5031-02-03-20	Safety Supplies	1,076	636	440	59.1%
15-5032-01-03-20	Equipment Rental	28	105	(77)	375.3%
15-5033-01-03-20	Recruitment	28	38	(10)	134.0%
_5034__**_**	Travel Expense/Tech. Conferences	480	175	305	36.4%
_5035__**_**	Training Expense	400	394	6	98.5%
15-5036-02-01-20	Laboratory Supplies	220	252	(32)	114.5%
15-5037-01-03-20	Office Equipment	60	96	(36)	160.1%
_5038__**_**	Permits	696	274	422	39.4%
_5039__**_**	Membership Dues/Fees	72	251	(179)	348.7%
15-5047-01-03-20	Access Road Expenses	1,464	1,037	427	70.8%
15-5048-01-03-20	Storm Damage	600	16	584	2.7%
15-5050-01-03-20	Contract Services Generators - 29A	120	117	3	97.7%
15-5052-01-03-20	Janitorial Services	600	453	147	75.6%
15-5054-01-01-20	Diesel Truck Maint - 31B	16	14	2	87.0%
15-5055-01-01-20	Diesel Truck Fuel - 37B	16	-	16	0.0%
15-5057-01-01-20	Maintenance Equip. & Facilities (Liquids) 4	3,192	3,806	(614)	119.2%
15-5058-01-03-20	Maintenance Equip. & Facilities (Common)	656	232	424	35.4%
_5061__**_**	Mileage	-	10	(10)	0.0%
_5074__**_**	Education Reimbursement	-	17	(17)	0.0%
15-5076-01-03-20	SCADA Infrastructure	208	-	208	0.0%
15-5077-01-03-20	IT Direct	-	94	(94)	0.0%
_5302__**_**	Performance Based Merit Pay	-	33	(33)	0.0%
_5303__**_**	Group Insurance Waiver	56	59	(3)	105.9%
_5305__**_**	Medicare Tax Payments for Employees	24	30	(6)	126.3%
_5306__**_**	Scheduled Holiday Work	40	86	(46)	214.3%
_5315__**_**	Comp Time - O&M	68	62	6	90.6%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	10,988	10,663	325	97.0%
_5700__**_**	Standby Pay	808	162	646	20.0%
_5705__**_**	Monthly Car Allowance	64	69	(5)	108.1%
_6500__**_**	IT Allocations in to PC's & Depts.	3,660	3,942	(282)	107.7%
Total Emerald Bay Service District		54,904	53,023	1,881	96.6%
Moulton Niguel Water District					
_5000__**_**	Regular Salaries-O&M	32,432	20,362	12,070	62.8%
_5001__**_**	Overtime Salaries-O&M	176	458	(282)	260.4%
15-5002-01-03-22	Electricity	-	2,544	(2,544)	0.0%
15-5003-01-03-22	Natural Gas	440	37	403	8.4%
15-5004-01-03-22	Potable & Reclaimed Water	908	754	154	83.0%
15-5013-01-03-22	Landscaping	14,784	7,866	6,918	53.2%
15-5014-01-03-22	Engineering - Misc.	292	-	292	0.0%
_5015__**_**	Management Support Services	1,316	5,676	(4,360)	431.3%
15-5017-01-03-22	Legal Fees	4,388	1,891	2,497	43.1%
15-5019-01-03-22	Contract Services Misc. - 29	17,268	27,245	(9,977)	157.8%
15-5021-01-03-22	Small Vehicle Expense - 31A	1,756	34	1,722	1.9%
15-5022-01-03-22	Miscellaneous Expense	876	482	394	55.0%
15-5023-01-03-22	Office Supplies - All	1,172	2,588	(1,416)	220.8%
15-5025-01-03-22	Uniforms	256	153	103	59.8%
15-5026-01-03-22	Small Vehicle Fuel - 37A	1,464	28	1,436	1.9%
15-5027-01-03-22	Insurance - Property/Liability	10,348	12,635	(2,287)	122.1%
15-5028-01-03-22	Small Tools & Supplies	2,784	4,430	(1,646)	159.1%
15-5030-01-03-22	Trash Disposal	876	594	282	67.8%
15-5031-02-03-22	Safety Supplies	10,544	6,224	4,320	59.0%
15-5032-01-03-22	Equipment Rental	292	1,028	(736)	352.0%
15-5033-01-03-22	Recruitment	292	367	(75)	125.7%
_5034__**_**	Travel Expense/Tech. Conferences	4,672	1,710	2,962	36.6%
_5035__**_**	Training Expense	3,880	3,853	27	99.3%
15-5037-01-03-22	Office Equipment	584	939	(355)	160.9%
_5038__**_**	Permits	6,796	2,684	4,112	39.5%
_5039__**_**	Membership Dues/Fees	692	2,456	(1,764)	354.9%
15-5047-01-03-22	Access Road Expenses	14,332	10,146	4,186	70.8%
15-5048-01-03-22	Storm Damage	5,852	161	5,691	2.7%
15-5050-01-03-22	Contract Services Generators - 29A	1,172	1,147	25	97.9%
15-5052-01-03-22	Janitorial Services	5,852	4,434	1,418	75.8%
15-5058-01-03-22	Maintenance Equip. & Facilities (Common)	6,436	2,271	4,165	35.3%
15-5061-01-03-22	Mileage	-	9	(9)	0.0%
15-5074-01-03-22	Education Reimbursement	-	16	(16)	0.0%
15-5076-01-03-22	SCADA Infrastructure	2,048	-	2,048	0.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
15-5077-01-03-22	IT Direct	-	918	(918)	0.0%
15-5302-01-03-22	Performance Based Merit Pay	-	31	(31)	0.0%
15-5303-01-03-22	Group Insurance Waiver	104	56	48	54.2%
15-5305-01-03-22	Medicare Tax Payments for Employees	48	29	19	60.0%
-5306--***	Scheduled Holiday Work	72	145	(73)	201.3%
-5315--***	Comp Time - O&M	120	147	(27)	122.5%
-5401--***	Fringe Benefits IN to PC's & Depts.	23,332	15,129	8,203	64.8%
15-5700-01-03-22	Standby Pay	7,908	154	7,754	1.9%
15-5705-01-03-22	Monthly Car Allowance	120	66	54	54.8%
-6500--***	IT Allocations in to PC's & Depts.	35,812	38,562	(2,750)	107.7%
Total Moulton Niguel Water District		222,496	180,458	42,038	81.1%
South Coast Water District					
-5000--***	Regular Salaries-O&M	477,360	432,584	44,776	90.6%
-5001--***	Overtime Salaries-O&M	9,204	7,138	2,066	77.6%
-5002--***	Electricity	109,720	95,043	14,677	86.6%
-5003--***	Natural Gas	1,056	925	131	87.6%
-5004--***	Potable & Reclaimed Water	12,220	9,333	2,887	76.4%
-5006--***	Chlorine/Sodium Hypochlorite	98,412	71,578	26,834	72.7%
-5007--***	Polymer Products	748	-	748	0.0%
15-5008-01-01-24	Ferric Chloride	11,488	15,798	(4,310)	137.5%
15-5009-01-01-24	Odor Control Chemicals	22,764	15,678	7,086	68.9%
-5011--***	Laboratory Services	9,836	6,831	3,005	69.4%
15-5012-01-01-24	Grit Hauling - 21A	12,148	9,063	3,085	74.6%
15-5013-01-03-24	Landscaping	15,088	8,028	7,060	53.2%
15-5014-01-03-24	Engineering - Misc.	300	-	300	0.0%
-5015--***	Management Support Services	1,344	5,792	(4,448)	431.0%
15-5017-01-03-24	Legal Fees	4,476	1,930	2,546	43.1%
15-5019-01-03-24	Contract Services Misc. - 29	17,624	27,804	(10,180)	157.8%
-5021--***	Small Vehicle Expense - 31A	1,792	1,161	631	64.8%
15-5022-01-03-24	Miscellaneous Expense	896	491	405	54.9%
15-5023-01-03-24	Office Supplies - All	1,196	2,641	(1,445)	220.8%
15-5024-01-01-24	Petroleum Products	672	738	(66)	109.8%
-5025--***	Uniforms	4,584	5,306	(722)	115.7%
-5026--***	Small Vehicle Fuel - 37A	1,492	953	539	63.9%
15-5027-01-03-24	Insurance - Property/Liability	10,560	12,894	(2,334)	122.1%
15-5028-01-03-24	Small Tools & Supplies	2,844	4,520	(1,676)	158.9%
15-5030-01-03-24	Trash Disposal	896	606	290	67.6%
15-5031-02-03-24	Safety Supplies	10,760	6,352	4,408	59.0%
15-5032-01-03-24	Equipment Rental	300	1,049	(749)	349.7%
15-5033-01-03-24	Recruitment	300	375	(75)	124.9%
-5034--***	Travel Expense/Tech. Conferences	4,764	1,745	3,019	36.6%
-5035--***	Training Expense	3,960	3,932	28	99.3%
-5036--***	Laboratory Supplies	9,136	8,099	1,037	88.6%
15-5037-01-03-24	Office Equipment	596	959	(363)	160.9%
-5038--***	Permits	6,936	2,739	4,197	39.5%
-5039--***	Membership Dues/Fees	708	2,507	(1,799)	354.0%
15-5047-01-03-24	Access Road Expenses	14,628	10,354	4,274	70.8%
15-5048-01-03-24	Storm Damage	5,972	164	5,808	2.7%
15-5050-01-03-24	Contract Services Generators - 29A	1,196	1,171	25	97.9%
15-5052-01-03-24	Janitorial Services	5,972	4,525	1,447	75.8%
15-5054-01-01-24	Diesel Truck Maint - 31B	404	235	169	58.2%
15-5055-01-01-24	Diesel Truck Fuel - 37B	404	-	404	0.0%
15-5057-01-01-24	Maintenance Equip. & Facilities (Liquids) 4	72,480	64,318	8,162	88.7%
15-5058-01-03-24	Maintenance Equip. & Facilities (Common)	6,568	2,317	4,251	35.3%
15-5060-01-04-24	Maintenance Equip. & Facilities (AWT) 41-	37,000	17,235	19,765	46.6%
-5061--***	Mileage	-	317	(317)	0.0%
-5074--***	Education Reimbursement	-	545	(545)	0.0%
15-5076-01-03-24	SCADA Infrastructure	2,088	-	2,088	0.0%
15-5077-01-03-24	IT Direct	-	937	(937)	0.0%
-5302--***	Performance Based Merit Pay	-	1,075	(1,075)	0.0%
-5303--***	Group Insurance Waiver	1,836	1,953	(117)	106.4%
-5305--***	Medicare Tax Payments for Employees	852	998	(146)	117.1%
-5306--***	Scheduled Holiday Work	1,324	2,450	(1,126)	185.0%
-5315--***	Comp Time - O&M	2,184	1,429	755	65.4%
-5401--***	Fringe Benefits IN to PC's & Depts.	343,424	321,712	21,712	93.7%
-5700--***	Standby Pay	8,072	5,328	2,744	66.0%
-5705--***	Monthly Car Allowance	2,140	2,279	(139)	106.5%
-6500--***	IT Allocations in to PC's & Depts.	36,548	39,353	(2,805)	107.7%
Total South Coast Water District		1,409,272	1,243,286	165,986	88.2%

Total PC 15 - Coastal Treatment Plant

3,017,392	2,674,709	342,683	88.6%
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South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended	
PC 17 - Joint Regional Wastewater Reclamation					
Member Agency					
City of Laguna Beach					
5000--***	Regular Salaries-O&M	129,276	92,763	36,513	71.8%
5001--***	Overtime Salaries-O&M	4,664	2,532	2,132	54.3%
5002--***	Electricity	22,092	20,511	1,581	92.8%
17-5003-01-02-16	Natural Gas	15,256	18,075	(2,819)	118.5%
5004--***	Potable & Reclaimed Water	2,808	2,468	340	87.9%
17-5005-01-02-16	Co-generation Power Credit	(52,188)	(79,537)	27,349	152.4%
17-5006-01-01-16	Chlorine/Sodium Hypochlorite	128	14	114	11.1%
5007--***	Polymer Products	64,284	41,125	23,159	64.0%
5008--***	Ferric Chloride	27,760	29,045	(1,285)	104.6%
5009--***	Odor Control Chemicals	2,744	1,774	970	64.7%
17-5010-01-23-16	Other Chemicals - Misc.	112	-	112	0.0%
5011--***	Laboratory Services	728	421	307	57.8%
17-5012-01-01-16	Grit Hauling - 21A	372	53	319	14.1%
17-5013-01-23-16	Landscaping	3,796	5,113	(1,317)	134.7%
5015--***	Management Support Services	740	2,124	(1,384)	287.0%
17-5017-01-23-16	Legal Fees	84	3,362	(3,278)	4002.3%
17-5019-01-23-16	Contract Services Misc. - 29	4,528	6,304	(1,776)	139.2%
5021--***	Small Vehicle Expense - 31A	392	619	(227)	158.0%
17-5022-01-23-16	Miscellaneous Expense	280	293	(13)	104.5%
17-5023-01-23-16	Office Supplies - All	616	585	31	95.0%
5024--***	Petroleum Products	4,960	4,151	809	83.7%
5025--***	Uniforms	2,028	1,946	82	96.0%
5026--***	Small Vehicle Fuel - 37A	560	433	127	77.3%
17-5027-01-23-16	Insurance - Property/Liability	4,944	6,046	(1,102)	122.3%
17-5028-01-23-16	Small Tools & Supplies	1,456	1,432	24	98.4%
17-5030-01-23-16	Trash Disposal	112	108	4	96.0%
17-5031-02-23-16	Safety Supplies	2,224	3,669	(1,445)	165.0%
17-5032-01-23-16	Equipment Rental	168	-	168	0.0%
5033--***	Recruitment	56	65	(9)	116.6%
5034--***	Travel Expense/Tech. Conferences	896	967	(71)	107.9%
5035--***	Training Expense	852	710	142	83.3%
5036--***	Laboratory Supplies	1,024	657	367	64.1%
17-5037-01-23-16	Office Equipment	560	243	317	43.4%
5038--***	Permits	2,336	1,670	666	71.5%
5039--***	Membership Dues/Fees	240	581	(341)	242.3%
17-5049-01-02-16	Biosolids Disposal - 21B	145,320	107,333	37,987	73.9%
17-5050-01-23-16	Contract Services Generators - 29A	448	208	240	46.5%
17-5052-01-23-16	Janitorial Services	2,300	2,118	182	92.1%
17-5054-01-02-16	Diesel Truck Maint - 31B	3,052	3,352	(300)	109.8%
17-5055-01-02-16	Diesel Truck Fuel - 37B	1,284	676	608	52.7%
17-5056-01-02-16	Maintenance Equip. & Facilities (Solids) 41	32,276	25,904	6,372	80.3%
17-5057-01-01-16	Maintenance Equip. & Facilities (Liquids) 4	1,812	227	1,585	12.6%
17-5058-01-23-16	Maintenance Equip. & Facilities (Common)	1,964	1,479	485	75.3%
17-5059-01-02-16	Maintenance Equip. & Facilities (Co-Gen)	94,416	87,892	6,524	93.1%
5061--***	Mileage	56	65	(9)	116.0%
5074--***	Education Reimbursement	-	21	(21)	0.0%
17-5076-01-23-16	SCADA Infrastructure	392	-	392	0.0%
17-5077-01-23-16	IT Direct	452	182	270	40.2%
5105--***	Co-Generation Power Credit - Offset	26,388	41,597	(15,209)	157.6%
5302--***	Performance Based Merit Pay	-	1,117	(1,117)	0.0%
5303--***	Group Insurance Waiver	384	315	69	82.1%
5306--***	Scheduled Holiday Work	1,036	987	49	95.2%
5315--***	Comp Time - O&M	-	393	(393)	0.0%
5401--***	Fringe Benefits IN to PC's & Depts.	93,004	69,646	23,358	74.9%
5700--***	Standby Pay	1,516	2,194	(678)	144.7%
5705--***	Monthly Car Allowance	688	368	320	53.5%
17-5706-01-01-16	Effluent Pond Cleaning	708	-	708	0.0%
6500--***	IT Allocations in to PC's & Depts.	12,936	13,929	(993)	107.7%
Total City of Laguna Beach		671,320	530,326	140,994	79.0%

El Toro Water District

5000--***	Regular Salaries-O&M	120,188	118,910	1,278	98.9%
5001--***	Overtime Salaries-O&M	4,256	3,216	1,040	75.6%
5002--***	Electricity	21,528	27,280	(5,752)	126.7%
17-5003-01-02-19	Natural Gas	14,156	22,628	(8,472)	159.9%
5004--***	Potable & Reclaimed Water	2,552	3,099	(547)	121.4%
17-5005-01-02-19	Co-generation Power Credit	(48,432)	(99,575)	51,143	205.6%
17-5006-01-01-19	Chlorine/Sodium Hypochlorite	40	29	11	72.8%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5007--***	Polymer Products	59,260	51,539	7,721	87.0%
_5008--***	Ferric Chloride	25,764	36,406	(10,642)	141.3%
_5009--***	Odor Control Chemicals	2,412	2,241	171	92.9%
17-5010-01-23-19	Other Chemicals - Misc.	204	-	204	0.0%
_5011--***	Laboratory Services	636	532	104	83.6%
17-5012-01-01-19	Grit Hauling - 21A	120	108	12	90.2%
17-5013-01-23-19	Landscaping	6,904	9,300	(2,396)	134.7%
_5015--***	Management Support Services	1,348	3,863	(2,515)	286.6%
17-5017-01-23-19	Legal Fees	152	6,116	(5,964)	4023.4%
17-5019-01-23-19	Contract Services Misc. - 29	8,236	11,467	(3,231)	139.2%
_5021--***	Small Vehicle Expense - 31A	716	786	(70)	109.8%
17-5022-01-23-19	Miscellaneous Expense	512	532	(20)	104.0%
17-5023-01-23-19	Office Supplies - All	1,124	1,064	60	94.7%
_5024--***	Petroleum Products	4,592	5,199	(607)	113.2%
_5025--***	Uniforms	1,876	2,470	(594)	131.7%
_5026--***	Small Vehicle Fuel - 37A	1,020	549	471	53.9%
17-5027-01-23-19	Insurance - Property/Liability	8,992	10,999	(2,007)	122.3%
17-5028-01-23-19	Small Tools & Supplies	2,652	2,606	46	98.2%
17-5030-01-23-19	Trash Disposal	204	196	8	95.9%
17-5031-02-23-19	Safety Supplies	4,048	6,674	(2,626)	164.9%
17-5032-01-23-19	Equipment Rental	308	-	308	0.0%
_5033--***	Recruitment	104	83	21	79.7%
_5034--***	Travel Expense/Tech. Conferences	1,628	1,759	(131)	108.1%
_5035--***	Training Expense	1,548	1,292	256	83.4%
_5036--***	Laboratory Supplies	892	830	62	93.1%
17-5037-01-23-19	Office Equipment	1,020	442	578	43.4%
_5038--***	Permits	4,248	3,038	1,210	71.5%
_5039--***	Membership Dues/Fees	440	1,058	(618)	240.4%
17-5049-01-02-19	Biosolids Disposal - 21B	134,864	134,374	490	99.6%
17-5050-01-23-19	Contract Services Generators - 29A	816	379	437	46.5%
17-5052-01-23-19	Janitorial Services	4,184	3,852	332	92.1%
17-5054-01-02-19	Diesel Truck Maint - 31B	2,832	4,197	(1,365)	148.2%
17-5055-01-02-19	Diesel Truck Fuel - 37B	1,192	846	346	71.0%
17-5056-01-02-19	Maintenance Equip. & Facilities (Solids) 41	29,952	32,430	(2,478)	108.3%
17-5057-01-01-19	Maintenance Equip. & Facilities (Liquids) 4	592	468	124	79.1%
17-5058-01-23-19	Maintenance Equip. & Facilities (Common)	3,572	2,690	882	75.3%
17-5059-01-02-19	Maintenance Equip. & Facilities (Co-Gen)	87,624	110,035	(22,411)	125.6%
_5061--***	Mileage	104	82	22	79.3%
_5074--***	Education Reimbursement	-	27	(27)	0.0%
17-5076-01-23-19	SCADA Infrastructure	716	-	716	0.0%
17-5077-01-23-19	IT Direct	820	331	489	40.3%
_5105--***	Co-Generation Power Credit - Offset	24,368	52,792	(28,424)	216.6%
_5302--***	Performance Based Merit Pay	-	1,439	(1,439)	0.0%
_5303--***	Group Insurance Waiver	360	416	(56)	115.6%
_5306--***	Scheduled Holiday Work	960	1,261	(301)	131.3%
_5315--***	Comp Time - O&M	-	507	(507)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	86,468	89,282	(2,814)	103.3%
_5700--***	Standby Pay	2,760	2,785	(25)	100.9%
_5705--***	Monthly Car Allowance	648	486	162	75.0%
17-5706-01-01-19	Effluent Pond Cleaning	232	-	232	0.0%
_6500--***	IT Allocations in to PC's & Depts.	23,528	25,337	(1,809)	107.7%
Total El Toro Water District		661,840	700,753	(38,913)	105.9%
Emerald Bay Service District					
_5000--***	Regular Salaries-O&M	4,096	3,370	726	82.3%
_5001--***	Overtime Salaries-O&M	144	92	52	63.6%
_5002--***	Electricity	728	770	(42)	105.8%
17-5003-01-02-20	Natural Gas	472	648	(176)	137.2%
_5004--***	Potable & Reclaimed Water	88	88	-	100.0%
17-5005-01-02-20	Co-generation Power Credit	(1,612)	(2,851)	1,239	176.8%
17-5006-01-01-20	Chlorine/Sodium Hypochlorite	4	-	4	0.0%
_5007--***	Polymer Products	1,984	1,472	512	74.2%
_5008--***	Ferric Chloride	856	1,039	(183)	121.4%
_5009--***	Odor Control Chemicals	84	63	21	74.7%
17-5010-01-23-20	Other Chemicals - Misc.	4	-	4	0.0%
_5011--***	Laboratory Services	24	15	9	61.8%
17-5012-01-01-20	Grit Hauling - 21A	12	0.08	12	0.7%
17-5013-01-23-20	Landscaping	200	269	(69)	134.4%
_5015--***	Management Support Services	40	112	(72)	279.2%
17-5017-01-23-20	Legal Fees	4	177	(173)	4420.0%
17-5019-01-23-20	Contract Services Misc. - 29	240	331	(91)	138.1%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5021--***	Small Vehicle Expense - 31A	20	22	(2)	111.4%
17-5022-01-23-20	Miscellaneous Expense	16	15	1	96.3%
17-5023-01-23-20	Office Supplies - All	32	31	1	96.1%
17-5024-01-02-20	Petroleum Products	152	149	3	97.8%
_5025--***	Uniforms	68	70	(2)	103.1%
_5026--***	Small Vehicle Fuel - 37A	28	16	12	55.7%
17-5027-01-23-20	Insurance - Property/Liability	260	318	(58)	122.3%
17-5028-01-23-20	Small Tools & Supplies	76	75	1	99.1%
17-5030-01-23-20	Trash Disposal	4	6	(2)	141.0%
17-5031-02-23-20	Safety Supplies	116	193	(77)	166.3%
17-5032-01-23-20	Equipment Rental	8	-	8	0.0%
_5033--***	Recruitment	4	2	2	59.0%
_5034--***	Travel Expense/Tech. Conferences	48	51	(3)	106.0%
_5035--***	Training Expense	44	37	7	84.8%
_5036--***	Laboratory Supplies	32	23	9	72.5%
17-5037-01-23-20	Office Equipment	28	13	15	45.7%
_5038--***	Permits	124	88	36	70.8%
_5039--***	Membership Dues/Fees	12	31	(19)	254.7%
17-5049-01-02-20	Biosolids Disposal - 21B	4,484	3,847	637	85.8%
17-5050-01-23-20	Contract Services Generators - 29A	24	11	13	45.7%
17-5052-01-23-20	Janitorial Services	120	111	9	92.8%
17-5054-01-02-20	Diesel Truck Maint - 31B	96	120	(24)	125.2%
17-5055-01-02-20	Diesel Truck Fuel - 37B	40	24	16	60.6%
17-5056-01-02-20	Maintenance Equip. & Facilities (Solids) 41	996	928	68	93.2%
17-5057-01-01-20	Maintenance Equip. & Facilities (Liquids) 4	56	0.28	56	0.5%
17-5058-01-23-20	Maintenance Equip. & Facilities (Common)	104	78	26	74.8%
17-5059-01-02-20	Maintenance Equip. & Facilities (Co-Gen) .	2,912	3,150	(238)	108.2%
_5061--***	Mileage	4	2	2	59.0%
_5074--***	Education Reimbursement	-	1	(1)	0.0%
17-5076-01-23-20	SCADA Infrastructure	20	-	20	0.0%
17-5077-01-23-20	IT Direct	24	10	14	39.8%
_5105--***	Co-Generation Power Credit - Offset	828	1,498	(670)	180.9%
_5302--***	Performance Based Merit Pay	-	41	(41)	0.0%
_5303--***	Group Insurance Waiver	8	12	(4)	146.5%
_5306--***	Scheduled Holiday Work	28	36	(8)	127.7%
_5315--***	Comp Time - O&M	-	14	(14)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	2,948	2,530	418	85.8%
_5700--***	Standby Pay	80	79	1	98.8%
_5705--***	Monthly Car Allowance	16	14	2	85.5%
17-5706-01-01-20	Effluent Pond Cleaning	20	-	20	0.0%
_6500--***	IT Allocations in to PC's & Depts.	680	732	(52)	107.7%
Total Emerald Bay Service District		21,928	19,972	1,956	91.1%
Moulton Niguel Water District					
_5000--***	Regular Salaries-O&M	1,458,440	1,295,059	163,381	88.8%
_5001--***	Overtime Salaries-O&M	41,948	29,164	12,784	69.5%
_5002--***	Electricity	292,768	359,368	(66,600)	122.7%
17-5003-01-02-22	Natural Gas	55,156	88,180	(33,024)	159.9%
_5004--***	Potable & Reclaimed Water	22,712	26,629	(3,917)	117.2%
17-5005-01-02-22	Co-generation Power Credit	(188,700)	(388,027)	199,327	205.6%
_5006--***	Chlorine/Sodium Hypochlorite	401,740	365,514	36,226	91.0%
_5007--***	Polymer Products	314,468	269,185	45,283	85.6%
_5008--***	Ferric Chloride	100,384	197,569	(97,185)	196.8%
_5009--***	Odor Control Chemicals	37,752	33,704	4,048	89.3%
_5010--***	Other Chemicals - Misc.	1,588	-	1,588	0.0%
_5011--***	Laboratory Services	14,636	11,665	2,971	79.7%
17-5012-01-01-22	Grit Hauling - 21A	46,236	54,177	(7,941)	117.2%
_5013--***	Landscaping	53,736	72,370	(18,634)	134.7%
_5015--***	Management Support Services	10,484	30,062	(19,578)	286.7%
_5017--***	Legal Fees	1,192	47,589	(46,397)	3992.3%
_5019--***	Contract Services Misc. - 29	64,100	89,233	(25,133)	139.2%
_5021--***	Small Vehicle Expense - 31A	5,560	7,399	(1,839)	133.1%
_5022--***	Miscellaneous Expense	3,972	4,144	(172)	104.3%
_5023--***	Office Supplies - All	8,736	8,283	453	94.8%
_5024--***	Petroleum Products	20,280	22,809	(2,529)	112.5%
_5025--***	Uniforms	19,696	23,254	(3,558)	118.1%
_5026--***	Small Vehicle Fuel - 37A	7,940	5,172	2,768	65.1%
_5027--***	Insurance - Property/Liability	69,988	85,586	(15,598)	122.3%
_5028--***	Small Tools & Supplies	20,628	20,275	353	98.3%
_5030--***	Trash Disposal	1,588	1,522	66	95.8%
_5031--***	Safety Supplies	31,484	51,936	(20,452)	165.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5032__**_**	Equipment Rental	2,384	-	2,384	0.0%
_5033__**_**	Recruitment	796	781	15	98.1%
_5034__**_**	Travel Expense/Tech. Conferences	12,672	13,688	(1,016)	108.0%
_5035__**_**	Training Expense	12,048	10,050	1,998	83.4%
_5036__**_**	Laboratory Supplies	20,588	18,212	2,376	88.5%
_5037__**_**	Office Equipment	7,944	3,443	4,501	43.3%
_5038__**_**	Permits	33,052	23,641	9,411	71.5%
_5039__**_**	Membership Dues/Fees	3,424	8,231	(4,807)	240.4%
17-5049-01-02-22	Biosolids Disposal - 21B	525,460	523,633	1,827	99.7%
_5050__**_**	Contract Services Generators - 29A	6,352	2,950	3,402	46.4%
_5052__**_**	Janitorial Services	32,560	29,976	2,584	92.1%
17-5054-01-02-22	Diesel Truck Maint - 31B	11,032	16,355	(5,323)	148.3%
17-5055-01-02-22	Diesel Truck Fuel - 37B	4,644	3,298	1,346	71.0%
17-5056-01-02-22	Maintenance Equip. & Facilities (Solids) 41	116,704	126,374	(9,670)	108.3%
17-5057-01-01-22	Maintenance Equip. & Facilities (Liquids) 4	226,268	234,322	(8,054)	103.6%
_5058__**_**	Maintenance Equip. & Facilities (Common)	27,792	20,934	6,858	75.3%
17-5059-01-02-22	Maintenance Equip. & Facilities (Co-Gen)	341,404	428,788	(87,384)	125.6%
17-5060-01-04-22	Maintenance Equip. & Facilities (AWT) 41-	37,000	70,760	(33,760)	191.2%
_5061__**_**	Mileage	796	776	20	97.5%
17-5068-02-04-22	MNWD Lab Services and Supplies	24,972	23,757	1,215	95.1%
_5074__**_**	Education Reimbursement	-	250	(250)	0.0%
_5076__**_**	SCADA Infrastructure	5,560	-	5,560	0.0%
_5077__**_**	IT Direct	6,384	2,572	3,812	40.3%
_5105__**_**	Co-Generation Power Credit - Offset	256,048	496,938	(240,890)	194.1%
_5302__**_**	Performance Based Merit Pay	-	16,637	(16,637)	0.0%
_5303__**_**	Group Insurance Waiver	6,184	6,331	(147)	102.4%
_5306__**_**	Scheduled Holiday Work	10,064	13,147	(3,083)	130.6%
_5315__**_**	Comp Time - O&M	-	5,537	(5,537)	0.0%
_5401__**_**	Fringe Benefits IN to PC's & Depts.	1,049,252	973,091	76,161	92.7%
_5700__**_**	Standby Pay	21,472	26,214	(4,742)	122.1%
_5705__**_**	Monthly Car Allowance	9,584	7,387	2,197	77.1%
17-5706-01-01-22	Effluent Pond Cleaning	88,544	-	88,544	0.0%
_6500__**_**	IT Allocations in to PC's & Depts.	183,110	197,160	(14,050)	107.7%
Total Moulton Niguel Water District		6,002,606	6,117,054	(114,448)	101.9%
South Coast Water District					
_5000__**_**	Regular Salaries-O&M	85,416	56,752	28,664	66.4%
_5001__**_**	Overtime Salaries-O&M	3,060	1,543	1,517	50.4%
_5002__**_**	Electricity	14,800	12,850	1,950	86.8%
17-5003-01-02-24	Natural Gas	9,960	10,937	(977)	109.8%
_5004__**_**	Potable & Reclaimed Water	1,836	1,490	346	81.2%
17-5005-01-02-24	Co-generation Power Credit	(34,072)	(48,128)	14,056	141.3%
17-5006-01-01-24	Chlorine/Sodium Hypochlorite	88	5	83	5.9%
_5007__**_**	Polymer Products	42,004	24,869	17,135	59.2%
_5008__**_**	Ferric Chloride	18,124	17,562	562	96.9%
_5009__**_**	Odor Control Chemicals	1,804	1,068	736	59.2%
17-5010-01-23-24	Other Chemicals - Misc.	88	-	88	0.0%
_5011__**_**	Laboratory Services	476	253	223	53.2%
17-5012-01-01-24	Grit Hauling - 21A	260	19	241	7.4%
17-5013-01-23-24	Landscaping	3,032	4,083	(1,051)	134.7%
_5015__**_**	Management Support Services	592	1,696	(1,104)	286.5%
17-5017-01-23-24	Legal Fees	68	2,685	(2,617)	3948.2%
17-5019-01-23-24	Contract Services Misc. - 29	3,616	5,034	(1,418)	139.2%
_5021__**_**	Small Vehicle Expense - 31A	312	377	(65)	120.7%
17-5022-01-23-24	Miscellaneous Expense	224	234	(10)	104.4%
17-5023-01-23-24	Office Supplies - All	492	467	25	95.0%
_5024__**_**	Petroleum Products	3,236	2,511	725	77.6%
_5025__**_**	Uniforms	1,336	1,184	152	88.6%
_5026__**_**	Small Vehicle Fuel - 37A	448	263	185	58.8%
17-5027-01-23-24	Insurance - Property/Liability	3,948	4,828	(880)	122.3%
17-5028-01-23-24	Small Tools & Supplies	1,164	1,144	20	98.3%
17-5030-01-23-24	Trash Disposal	88	86	2	97.5%
17-5031-02-23-24	Safety Supplies	1,776	2,930	(1,154)	165.0%
17-5032-01-23-24	Equipment Rental	136	-	136	0.0%
_5033__**_**	Recruitment	44	40	4	90.3%
_5034__**_**	Travel Expense/Tech. Conferences	712	772	(60)	108.5%
_5035__**_**	Training Expense	680	567	113	83.4%
_5036__**_**	Laboratory Supplies	672	395	277	58.8%
17-5037-01-23-24	Office Equipment	448	194	254	43.4%
_5038__**_**	Permits	1,864	1,334	530	71.6%
_5039__**_**	Membership Dues/Fees	196	464	(268)	236.9%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
17-5049-01-02-24	Biosolids Disposal - 21B	94,876	64,948	29,928	68.5%
17-5050-01-23-24	Contract Services Generators - 29A	360	166	194	46.2%
17-5052-01-23-24	Janitorial Services	1,836	1,691	145	92.1%
17-5054-01-02-24	Diesel Truck Maint - 31B	1,992	2,029	(37)	101.8%
17-5055-01-02-24	Diesel Truck Fuel - 37B	840	409	431	48.7%
17-5056-01-02-24	Maintenance Equip. & Facilities (Solids) 41	21,072	15,675	5,397	74.4%
17-5057-01-01-24	Maintenance Equip. & Facilities (Liquids) 4	1,272	83	1,189	6.5%
17-5058-01-23-24	Maintenance Equip. & Facilities (Common)	1,568	1,181	387	75.3%
17-5059-01-02-24	Maintenance Equip. & Facilities (Co-Gen) .	61,644	53,184	8,460	86.3%
5061-_**_**	Mileage	44	39	5	89.7%
5074-_**_**	Education Reimbursement	-	13	(13)	0.0%
17-5076-01-23-24	SCADA Infrastructure	312	-	312	0.0%
17-5077-01-23-24	IT Direct	360	145	215	40.3%
5105-_**_**	Co-Generation Power Credit - Offset	17,368	25,293	(7,925)	145.6%
5302-_**_**	Performance Based Merit Pay	-	686	(686)	0.0%
5303-_**_**	Group Insurance Waiver	256	197	59	76.8%
5306-_**_**	Scheduled Holiday Work	684	603	81	88.1%
5315-_**_**	Comp Time - O&M	-	242	(242)	0.0%
5401-_**_**	Fringe Benefits IN to PC's & Depts.	61,448	42,611	18,837	69.3%
5700-_**_**	Standby Pay	1,212	1,334	(122)	110.1%
5705-_**_**	Monthly Car Allowance	456	229	227	50.3%
17-5706-01-01-24	Effluent Pond Cleaning	496	-	496	0.0%
6500-_**_**	IT Allocations in to PC's & Depts.	10,332	11,123	(791)	107.7%
Total South Coast Water District		447,356	332,389	114,967	74.3%
Total PC 17 - Joint Regional Wastewater Reclamation		7,805,050	7,700,494	104,556	98.7%
PC 21 - Effluent Transmission Main					
Member Agency					
EI Toro Water District					
5000-_**_**	Regular Salaries-O&M	-	1,952	(1,952)	0.0%
5001-_**_**	Overtime Salaries-O&M	-	1,174	(1,174)	0.0%
5014-_**_**	Engineering - Misc.	-	349	(349)	0.0%
5015-_**_**	Management Support Services	-	2,615	(2,615)	0.0%
5019-_**_**	Contract Services Misc. - 29	-	65	(65)	0.0%
5027-_**_**	Insurance - Property/Liability	304	359	(55)	118.2%
5401-_**_**	Fringe Benefits IN to PC's & Depts.	-	1,448	(1,448)	0.0%
Total EI Toro Water District		304	7,963	(7,659)	2619.4%
Irvine Ranch Water District					
5000-_**_**	Regular Salaries-O&M	-	1,952	(1,952)	0.0%
5001-_**_**	Overtime Salaries-O&M	-	1,174	(1,174)	0.0%
5014-_**_**	Engineering - Misc.	-	349	(349)	0.0%
5015-_**_**	Management Support Services	-	2,615	(2,615)	0.0%
5019-_**_**	Contract Services Misc. - 29	-	65	(65)	0.0%
5027-_**_**	Insurance - Property/Liability	304	359	(55)	118.2%
5401-_**_**	Fringe Benefits IN to PC's & Depts.	-	1,448	(1,448)	0.0%
Total Irvine Ranch Water District		304	7,963	(7,659)	2619.5%
Moulton Niguel Water District					
5000-_**_**	Regular Salaries-O&M	-	836	(836)	0.0%
21-5001-01-14-22	Overtime Salaries-O&M	-	503	(503)	0.0%
21-5014-02-14-22	Engineering - Misc.	-	150	(150)	0.0%
21-5015-01-14-22	Management Support Services	-	1,119	(1,119)	0.0%
21-5019-02-14-22	Contract Services Misc. - 29	-	28	(28)	0.0%
21-5027-01-14-22	Insurance - Property/Liability	132	154	(22)	116.5%
5401-_**_**	Fringe Benefits IN to PC's & Depts.	-	620	(620)	0.0%
Total Moulton Niguel Water District		132	3,408	(3,276)	2582.2%
Total PC 21 - Effluent Transmission Main		740	19,335	(18,595)	2612.8%
PC 23 - North Coast Interceptor					
Member Agency					
City of Laguna Beach					
23-5011-02-15-16	Laboratory Services	-	11,200	(11,200)	0.0%
23-5015-01-15-16	Management Support Services	-	16,011	(16,011)	0.0%
23-5017-01-15-16	Legal Fees	-	1,800	(1,800)	0.0%
Total City of Laguna Beach		-	29,010	(29,010)	0.0%
Total PC 23 - North Coast Interceptor		-	29,010	(29,010)	0.0%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
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PC 24 - Aliso Creek Ocean Outfall
Member Agency

City of Laguna Beach

	FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended	
5000--***	Regular Salaries-O&M	10,956	11,645	(689)	106.3%
5001--***	Overtime Salaries-O&M	52	104	(52)	199.2%
5015--***	Management Support Services	2,476	555	1,921	22.4%
24-5017-02-05-16	Legal Fees	112	-	112	0.0%
24-5027-01-05-16	Insurance - Property/Liability	716	873	(157)	121.9%
24-5031-02-05-16	Safety Supplies	112	-	112	0.0%
24-5034-02-05-16	Travel Expense/Tech. Conferences	408	307	101	75.2%
24-5035-02-05-16	Training Expense	660	330	330	50.0%
24-5036-02-05-16	Laboratory Supplies	2,152	2,752	(600)	127.9%
24-5038-02-05-16	Permits	20,544	21,281	(737)	103.6%
24-5039-02-05-16	Membership Dues/Fees	604	230	374	38.1%
24-5044-02-05-16	Offshore Monitoring - 20A	1,980	3,472	(1,492)	175.3%
24-5046-02-05-16	Effluent Chemistry - 20C	1,540	1,277	263	82.9%
24-5058-01-05-16	Maintenance Equip. & Facilities (Common)	112	-	112	0.0%
24-5069-02-05-16	Outfall Inspection/Port Cleaning	3,300	1,321	1,979	40.0%
5306--***	Scheduled Holiday Work	-	51	(51)	0.0%
24-5315-02-05-16	Comp Time - O&M	-	8	(8)	0.0%
5401--***	Fringe Benefits IN to PC's & Depts.	7,880	8,639	(759)	109.6%
6500--***	IT Allocations in to PC's & Depts.	1,404	1,513	(109)	107.8%
Total City of Laguna Beach	55,008	54,358	650	98.8%	

El Toro Water District

5000--***	Regular Salaries-O&M	16,240	17,257	(1,017)	106.3%
5001--***	Overtime Salaries-O&M	76	153	(77)	202.0%
5015--***	Management Support Services	3,668	823	2,845	22.4%
24-5017-02-05-19	Legal Fees	164	-	164	0.0%
24-5027-01-05-19	Insurance - Property/Liability	1,064	1,294	(230)	121.6%
24-5031-02-05-19	Safety Supplies	164	-	164	0.0%
24-5034-02-05-19	Travel Expense/Tech. Conferences	604	455	149	75.3%
24-5035-02-05-19	Training Expense	980	489	491	49.9%
24-5036-02-05-19	Laboratory Supplies	3,188	4,079	(891)	127.9%
24-5038-02-05-19	Permits	30,444	31,539	(1,095)	103.6%
24-5039-02-05-19	Membership Dues/Fees	896	341	555	38.0%
24-5044-02-05-19	Offshore Monitoring - 20A	2,936	5,145	(2,209)	175.2%
24-5046-02-05-19	Effluent Chemistry - 20C	2,284	1,893	391	82.9%
24-5058-01-05-19	Maintenance Equip. & Facilities (Common)	164	-	164	0.0%
24-5069-02-05-19	Outfall Inspection/Port Cleaning	4,892	1,957	2,935	40.0%
5306--***	Scheduled Holiday Work	-	76	(76)	0.0%
24-5315-02-05-19	Comp Time - O&M	-	11	(11)	0.0%
5401--***	Fringe Benefits IN to PC's & Depts.	11,680	12,803	(1,123)	109.6%
6500--***	IT Allocations in to PC's & Depts.	2,084	2,243	(159)	107.6%
Total El Toro Water District	81,528	80,558	970	98.8%	

Emerald Bay Service District

5000--***	Regular Salaries-O&M	780	826	(46)	105.9%
5001--***	Overtime Salaries-O&M	4	7	(3)	184.0%
5015--***	Management Support Services	176	39	137	22.4%
24-5017-02-05-20	Legal Fees	8	-	8	0.0%
24-5027-01-05-20	Insurance - Property/Liability	52	62	(10)	119.1%
24-5031-02-05-20	Safety Supplies	8	-	8	0.0%
24-5034-02-05-20	Travel Expense/Tech. Conferences	28	22	6	77.7%
24-5035-02-05-20	Training Expense	48	23	25	48.8%
24-5036-02-05-20	Laboratory Supplies	152	195	(43)	128.4%
24-5038-02-05-20	Permits	1,456	1,509	(53)	103.6%
24-5039-02-05-20	Membership Dues/Fees	44	16	28	37.1%
24-5044-02-05-20	Offshore Monitoring - 20A	140	246	(106)	175.8%
24-5046-02-05-20	Effluent Chemistry - 20C	108	91	17	83.9%
24-5058-01-05-20	Maintenance Equip. & Facilities (Common)	8	-	8	0.0%
24-5069-02-05-20	Outfall Inspection/Port Cleaning	236	94	142	39.7%
5306--***	Scheduled Holiday Work	-	4	(4)	0.0%
24-5315-02-05-20	Comp Time - O&M	-	1	(1)	0.0%
5401--***	Fringe Benefits IN to PC's & Depts.	556	613	(57)	110.2%
6500--***	IT Allocations in to PC's & Depts.	100	107	(7)	107.3%
Total Emerald Bay Service District	3,904	3,854	50	98.7%	

Irvine Ranch Water District

5000--***	Regular Salaries-O&M	15,696	16,683	(987)	106.3%
5001--***	Overtime Salaries-O&M	72	148	(76)	206.1%

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item
For the Fiscal Year Ended June 30, 2020

		FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget	% Expended
_5015--***	Management Support Services	3,544	796	2,748	22.5%
24-5017-02-05-21	Legal Fees	156	-	156	0.0%
24-5027-01-05-21	Insurance - Property/Liability	1,028	1,251	(223)	121.7%
24-5031-02-05-21	Safety Supplies	156	-	156	0.0%
24-5034-02-05-21	Travel Expense/Tech. Conferences	584	440	144	75.3%
24-5035-02-05-21	Training Expense	948	473	475	49.9%
24-5036-02-05-21	Laboratory Supplies	3,084	3,943	(859)	127.9%
24-5038-02-05-21	Permits	29,432	30,490	(1,058)	103.6%
24-5039-02-05-21	Membership Dues/Fees	868	330	538	38.0%
24-5044-02-05-21	Offshore Monitoring - 20A	2,836	4,974	(2,138)	175.4%
24-5046-02-05-21	Effluent Chemistry - 20C	2,208	1,830	378	82.9%
24-5058-01-05-21	Maintenance Equip. & Facilities (Common)	156	-	156	0.0%
24-5069-02-05-21	Outfall Inspection/Port Cleaning	4,728	1,892	2,836	40.0%
_5306--***	Scheduled Holiday Work	-	73	(73)	0.0%
24-5315-02-05-21	Comp Time - O&M	-	11	(11)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	11,292	12,377	(1,085)	109.6%
_6500--***	IT Allocations in to PC's & Depts.	2,016	2,168	(152)	107.5%
Total Irvine Ranch Water District		78,804	77,878	926	98.8%
Moulton Niguel Water District					
_5000--***	Regular Salaries-O&M	43,672	46,418	(2,746)	106.3%
_5001--***	Overtime Salaries-O&M	200	413	(213)	206.5%
_5015--***	Management Support Services	9,864	2,214	7,650	22.4%
24-5017-02-05-22	Legal Fees	440	-	440	0.0%
24-5027-01-05-22	Insurance - Property/Liability	2,860	3,480	(620)	121.7%
24-5031-02-05-22	Safety Supplies	440	-	440	0.0%
24-5034-02-05-22	Travel Expense/Tech. Conferences	1,624	1,224	400	75.3%
24-5035-02-05-22	Training Expense	2,632	1,315	1,317	50.0%
24-5036-02-05-22	Laboratory Supplies	8,576	10,971	(2,395)	127.9%
24-5038-02-05-22	Permits	81,892	84,832	(2,940)	103.6%
24-5039-02-05-22	Membership Dues/Fees	2,412	917	1,495	38.0%
24-5044-02-05-22	Offshore Monitoring - 20A	7,892	13,839	(5,947)	175.4%
24-5046-02-05-22	Effluent Chemistry - 20C	6,140	5,092	1,048	82.9%
24-5058-01-05-22	Maintenance Equip. & Facilities (Common)	440	-	440	0.0%
24-5069-02-05-22	Outfall Inspection/Port Cleaning	13,156	5,264	7,892	40.0%
_5306--***	Scheduled Holiday Work	-	204	(204)	0.0%
24-5315-02-05-22	Comp Time - O&M	-	30	(30)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	31,420	34,436	(3,016)	109.6%
_6500--***	IT Allocations in to PC's & Depts.	5,600	6,033	(433)	107.7%
Total Moulton Niguel Water District		219,260	216,682	2,578	98.8%
South Coast Water District					
_5000--***	Regular Salaries-O&M	12,264	13,031	(767)	106.3%
_5001--***	Overtime Salaries-O&M	56	116	(60)	207.1%
_5015--***	Management Support Services	2,768	622	2,146	22.5%
24-5017-02-05-24	Legal Fees	124	-	124	0.0%
24-5027-01-05-24	Insurance - Property/Liability	804	977	(173)	121.5%
24-5031-02-05-24	Safety Supplies	124	-	124	0.0%
24-5034-02-05-24	Travel Expense/Tech. Conferences	456	343	113	75.3%
24-5035-02-05-24	Training Expense	740	369	371	49.9%
24-5036-02-05-24	Laboratory Supplies	2,408	3,080	(672)	127.9%
24-5038-02-05-24	Permits	22,988	23,816	(828)	103.6%
24-5039-02-05-24	Membership Dues/Fees	676	257	419	38.1%
24-5044-02-05-24	Offshore Monitoring - 20A	2,216	3,885	(1,669)	175.3%
24-5046-02-05-24	Effluent Chemistry - 20C	1,724	1,429	295	82.9%
24-5058-01-05-24	Maintenance Equip. & Facilities (Common)	124	-	124	0.0%
24-5069-02-05-24	Outfall Inspection/Port Cleaning	3,692	1,478	2,214	40.0%
_5306--***	Scheduled Holiday Work	-	57	(57)	0.0%
24-5315-02-05-24	Comp Time - O&M	-	8	(8)	0.0%
_5401--***	Fringe Benefits IN to PC's & Depts.	8,820	9,667	(847)	109.6%
_6500--***	IT Allocations in to PC's & Depts.	1,572	1,694	(122)	107.7%
Total South Coast Water District		61,556	60,831	725	98.8%
Total PC 24 - Aliso Creek Ocean Outfall		500,060	494,162	5,898	98.8%
Total All Project Committees		18,346,162	18,086,675	259,487	98.6%



FY 2019-20

Actual Flows and Solids Loading %'s

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
J.B. LATHAM TREATMENT PLANT FLOW & SOLIDS SUMMARY
July 1, 2019 to June 30, 2020**

PC 2 FY 2019-20 FLOW SUMMARY (MGD)

Member Agency	Total Avg. Flow To Date	Total Percent To Date
CSJC	2.128	32.37%
MNWD	1.400	21.30%
SCWD	1.616	24.59%
SMWD	1.429	21.74%
	6.574	100.00%

PC 2 FY 2019-20 SOLIDS LOADING SUMMARY (Pounds)

Member Agency	Total FY 19-20 Avg. Loadings To Date	Total Percent To Date
CSJC	5,914	26.23%
MNWD	3,890	17.25%
SCWD	5,311	23.56%
SMWD	7,431	32.96%
	22,547	100.00%

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
REGIONAL WASTE DISCHARGE PERMITS
July 1, 2019 to June 30, 2020**

PC 12 FY 2019-20 RECYCLED WATER

Member Agency	Region 9 Recyled Use FY 2019-20 acft	% RW Use FY 2018/19 %
CSJC	424	3.29%
MNWD	5498	42.64%
SCWD	909	7.05%
SMWD	5531	42.89%
TCWD	533	4.13%
Total	12896	100.00%

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
COASTAL TREATMENT PLANT FLOW SUMMARY
July 1, 2019 to June 30, 2020**

PC 15 FY 2019-20 ACTUAL FLOWS

Member Agency	Plant Flows MGD	Plant Flow Percent
CLB	1.652	60.90%
EBSB	0.059	2.18%
SCWD	1.001	36.91%
MNWD	0.000	0.00%
Total	2.713	100.00%

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
REGIONAL TREATMENT PLANT FLOW SUMMARY
July 1, 2019 to June 30, 2020**

PC 17 LIQUIDS FY 2019-20 ACTUAL FLOWS

Member Agency	Plant Influent MGD	Centrate Flow MGD	Total Liquid Flow MGD	Liquid Flow %
CLB	0	0.01422	0.00756	0.10%
EBSB	0	0.00044	0.00001	0.00%
SCWD	0	0.00893	0.00276	0.04%
ETWD	0	0.01411	0.01556	0.20%
MNWD	7.728	0.05531	7.78884	99.67%
	7.728	0.09301	7.81473	100.00%

PC 17 SOLIDS FY 2019-20 ACTUAL LOADING

Member Agency	2019-20 #/Day	2019-20 %
CLB	4,632	12.87%
ETWD	5,799	16.11%
EBSB	166	0.46%
MNWD	22,598	62.78%
SCWD	2,803	7.79%
Total	35,997	100%

**South Orange County Wastewater Authority
 PC 2 Large Capital Cose Out Detail
 Plant 1 Grit Basins and Handling (2017)
 Project 3250-000**

Date Range	Vendor Discription	Amount
Jan, 2018	ARC	1,190
May, 2019	Harper & Associates	11,802
April, 2017 - Aug, 2019	Hazen and Sawyer	83,280
Oct, 2018 - Sept, 2019	S.S. Mechanical Corp	358,521
Nov, 2016 - June, 2018	SOCWA Payroll	8,867
Total		463,661
Cash Collected		295,570
USE AUDIT Refund/(Amount Due)		(168,091)

2R Liquid Member Agency		
Member Agency	Ownership %	Amount Allocated
CSJC	30.77%	(51,746)
MNWD	23.08%	(38,783)
SCWD	28.85%	(48,479)
SMWD	17.31%	(29,083)
Total Liquids		(168,091)

**South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2016, 2017, 2018, 2019 & 2020 Preliminary**

	6/30/2016	6/30/2017	6/30/2018	6/30/2019	6/30/2020
(1) Cash on Hand	5,777,486	12,949,694	13,557,237	20,857,094	22,361,420
Accounts Payable	(2,453,079)	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)
Accrued Payroll	(129,958)	(102,661)	(127,396)	(100,221)	(160,049)
Accounts Receivable	316,772	1,069,282	1,660,444	14,179	49,286
(2) PTO Reserves	(684,767)	(653,282)	(620,032)	(683,536)	(734,477)
Due to Mbr Agency	(1,692,399)	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)
Due From Mbr Agency	1,316,255	1,069,819	2,433,322	856,669	870,004
Mbr Agency Refund held for FY 19-20				(1,068,028)	
Audit Adjustment	311,131				
Prepaid	65,614	65,082	204,867	211,725	155,939
Deposits	18,000	19,500	-		
(3) Available Cash	2,845,055	10,375,905	10,883,737	15,631,481	17,353,752
(4) Large Capital Cash as of June 30th 2016, 2017, 2018, 2019 & 2020	2,223,007	9,168,439	8,793,369	15,067,539	15,616,950
Adjusting Items					
Non Capital Engineering Cash Balance		295,062	(81,041)		
Moulton Niguel Non Capital Engineering Accounts Receivable		(21,831)	(22,416)		
Moulton Niguel Large Capital Accounts Receivable		649,490	1,382,368		
Add Use Audit Settlement FY 17-18			216,467		
Add Use Audit Settlement FY 16-17	211,626	(49,931)	(49,931)		
(5) Total Large Capital Cash	2,434,633	10,041,229	10,238,817	15,067,539	15,616,950
Other Adjusting Items					
(6) Small Capital Carryover	129,000	(129,000)		172,996	565,000
Non Capital Carryover					369,508
Non Capital Misc Carryover					252,298
Mbr Agency Refund held for FY 19-20					
Cash Collected for PC 2 Zephyr Wall		76,318		76,318	
Other misc., fringe adj, interest adj, etc.		22,331	(4,916)		
Net Cash as of June 30th 2016, 2017, 2018, 2019 & 2020	2,563,633	10,010,879	10,233,900	15,316,853	16,803,755
(7) Difference (Additional Cash)	281,422	365,027	649,837	314,628	549,996
Additional Cash Is:					
Prior Balance		281,422	365,027	649,837	314,628
Payment to Member Agencies				(649,837)	(314,628)
County of Orange Bankruptcy Payment	18,714				
County of Orange Admin Fees	13,626				
County of Orange Access Maintenance	3,000				
City of Laguna Niguel Heat Transfer	31,320				
SMWD Lab Fees	17,820				
Coke machine	30				
FEMA Reimbursement			136,995		9,277
CA State Cost Reimbursement					15,356
Interest Income Received	24,587	45,294	114,150	249,482	405,052
Recycling Income	16,710	11,708	2,112	1,618	1,966
PC 23 Admin Payment		9,135			
Mutual Omaha Refund		8,034			
Interest received for 4th qtr		4,934	25,256	52,302	113,947
LAIF Interest Adj.		3,000			
Grant Revenue		1,500			
Sale of Fixed Assets	20,289		6,297	11,226	8,675
Other misc adjustments	135,326				(4,277)
Total Other Cash	281,422	365,027	649,837	314,628	549,996

Cash Roll Forward Notes FY 2019-20

1. Cash on Hand from Audited Financial Statements; amount confirmed with Bank, Bank Statements, and reconciled to the General Ledger.

Adjustment for Current Assets and Liabilities, Obligations against the Cash (accounts payable, payroll accruals, Use Audit Due (To) Member Agencies; the offset to these items is in the Use Audit as an Expense or in Construction-in-Progress if Capital related.)
2. Amounts due to the Authority, Accounts Receivable, Use Audit Due From Member Agencies, Prepaids and Deposits.

Available Cash (Item 1 above less Item 2). The Authority does not carry Cash Reserves; there is some carryover cash for small capital and non-capital projects in-process at yearend. Large Capital Cash is held until project completion which could span several years.
3. Large Capital Cash is supported by a subsidiary report detailing by project committee, wastewater code, and capital project:
 - a) Beginning Cash Balance from the Audited 6/30/2019 Cash Roll Forward
 - b) Contributions based on the quarterly capital billings
 - c) Actual expenditures
 - d) Use Audit Settlement
 - e) Net Cash balance
4. Total Large Capital Cash.
5. Small Capital, Non-Capital and Non-Capital Misc. Carryover.
6. Difference is additional cash from interest on LAIF account balance and sources other than Member Agencies.
7. Differences due to rounding in Excel.
- 8.

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Large Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 02 J B Latham										
Liquids										
3201-000 - Aeration/Cogeneration Design/Construction (2009)										
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	62,990	-	-	-	47,283	35,467	59,105	204,846
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	41,638	-	-	-	31,250	23,439	39,064	135,390
3253-000 - Effluent System Valves Replacement (2107)	-	-	27,244	-	-	-	21,598	16,200	26,997	92,039
3254-000 - Additional Package B Liquids Design (2017)	-	-	46,669	-	-	-	35,016	26,262	43,771	151,718
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	12,638	-	-	-	9,547	7,230	11,956	41,371
3285-000 - Main Plant Drain Line Reconstruction (2018)	-	-	(4)	-	-	-	(3)	(3)	(4)	(15)
3215-000 - Motor Control Center M Replacement Design (2019)	-	-	9,902	-	-	-	7,427	5,570	9,283	32,182
3220-000 - Facility Improvements B - Basin Upgrades Construction I (2019)	-	-	795,890	-	-	-	596,968	447,650	746,186	2,586,694
Total PC 02 Liquids	-	-	996,967	-	-	-	749,085	561,816	936,357	3,244,225
Common										
3206-000 - Diesel Storage Tank (2016)										
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	(0)	-	-	-	(0)	(0)	(0)	(1)
3286-000 - PLC Upgrades (2018)	-	-	15,345	-	-	-	11,300	11,544	12,337	50,526
3221-000 - Electrical System Evaluation (2019)	-	-	13,035	-	-	-	9,588	9,800	10,477	42,900
3231-000 Facility Improvements B - Common Upgrades Construction	-	-	28,683	-	-	-	21,093	21,554	23,045	94,375
Total PC 02 Common	-	-	57,062	-	-	-	41,981	42,897	45,859	187,800
Solids										
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	30,000	-	-	-	21,603	28,396	20,001	100,000
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	(7,967)	-	-	-	(5,757)	(7,521)	(5,311)	(26,557)
3222-000 - Centrate System Design (2019)	-	-	13,214	-	-	-	9,524	12,500	8,809	44,046
3223-000 - Emulsion Polymer Feeder Replacement (2019)	-	-	22,259	-	-	-	16,043	21,056	14,840	74,198
3224-000 - Digester No.4 Rehabilitation (2019)	-	-	94,864	-	-	-	68,371	89,736	63,243	316,214
3225-000 - Facility Improvements B - DAFT and Ancillary Solids Improvement	-	-	(2)	-	-	-	(2)	(2)	(2)	(8)
Total PC 02 Solids	-	-	152,368	-	-	-	109,781	144,164	101,579	507,892
Total PC2 JB Latham	-	-	1,206,396	-	-	-	900,847	748,877	1,083,796	3,939,917
PC 05 San Juan Creek Ocean Outfall										
3601-000 Junction Structure Reinforcement Phase II (2016)	-	8,080	5,387	-	-	-	7,540	21,549	6,063	48,620
3602-000 Emergency Plan Development (2016)	-	(0)	-	-	-	-	-	-	-	(0)
3603-000 Dilution Study (2016)	-	9,889	6,593	-	-	-	9,228	26,370	7,420	59,500
3650-000 - Junction Structure Reinforcement Construction (2017)	-	(1,754)	(1,168)	-	-	-	(1,637)	(5,166)	(1,317)	(11,042)
3605-000 - Junction Structure Reinforcement Permitting and Final Design	-	6,381	4,254	-	-	-	5,955	17,015	4,788	38,392
Total PC5 San Juan Creek Ocean Outfall	-	22,596	15,065	-	-	-	21,086	59,769	16,953	135,470

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Large Capital Cash Balance as of June 30, 2020									
16	17	18	19	20	21	22	23	24	Total
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 15 Coastal Treatment Plant									
Liquids									
3501-000 - Fire Protection (2013)	-	-	-	-	-	0	-	-	0
3504-000 - Aeration System Modification Design (2015)	(9)	-	-	-	(1)	(7)	-	(7)	(23)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	(373)	-	-	-	(29)	(288)	-	(294)	(983)
3530-000 Aliso Sulfur Creek Confluence (2014)	(12)	-	-	-	(1)	(9)	-	(9)	(31)
3532-000 - Fire Protection (2013)	11,525	-	-	-	908	8,254	-	9,075	29,763
3534-000 - Export Sludge System (1997)	270,739	-	-	-	21,323	208,911	-	213,180	714,153
3539-000 Facility Construction Improvements - Part II (2020)	487,293	-	-	-	38,369	376,024	-	383,700	1,285,386
3551-000 - Add for CTP Facility Upgrade Design (2017)	52,590	-	-	-	4,147	40,577	-	41,409	138,722
3553-000 - Plant Drainage Improvements (2017)	92,274	-	-	-	7,272	71,200	-	72,656	243,403
3592-000 - Facility Improvements Project Design (2018)	16,957	-	-	-	1,408	13,034	-	13,344	44,742
3525-000 - Personnel Building reconstruction (2019)	52,810	-	-	-	4,158	40,751	-	41,582	139,301
3526-000 - Facility Improvements Project Construction - Part I (2019)	(32)	-	-	-	(2)	(24)	-	(25)	(84)
3527-000 - Vehicle Storage Building Roof (2019)	32,224	-	-	-	2,537	24,866	-	25,373	85,000
3528-000 - AWMA Road Sites West 1 and West 2 Embankment Protection	49,813	-	-	-	3,922	38,438	-	39,223	131,396
3529-000 - Aliso Creek Long Term Repair Planning	30,094	-	-	-	2,370	23,222	-	23,696	79,382
3541-000 Export Sludge System Construction (2020)	514,573	-	-	-	40,518	397,072	-	405,176	1,357,339
Total PC 15 Liquids	1,610,466	-	-	-	126,898	1,242,022	-	1,268,079	4,247,465
AWT									
3517-000 - AWT Backwash Pump Replacement (2016)	-	-	-	-	-	-	-	(298)	(298)
3518-000 - Chlorine Mixer Replacement (15AWT) (2015)	-	-	-	-	-	-	-	(7)	(7)
3519-000 - Hypochlorite Tank (AWT) (2013)	-	-	-	-	-	-	-	(0)	(0)
3532-000 - Fire Protection	-	-	-	-	-	-	-	(31,230)	(31,230)
3562-000 - Applied Water Pump System Replacement (AWT) (2017)	-	-	-	-	-	-	-	63,354	63,354
3596-000 - Applied Water VFD Pump Panel and Electrical (AWT) (2018)	-	-	-	-	-	-	-	10,627	10,627
3597-000 - MCC A Replacement Design (15) (2018)	-	-	-	-	-	-	-	55,890	55,890
3536-000 - Chlorine Contact Basin Mixer Design (AWT) (2018)	-	-	-	-	-	-	-	25,142	25,142
3537-000 - MCC A Replacement Construction (AWT) (2019)	-	-	-	-	-	-	-	(27,437)	(27,437)
3538-000 - AWT Filter Valve Upgrade Construction (AWT) (2019)	-	-	-	-	-	-	-	(49,127)	(49,127)
Total PC 15 AWT	-	-	-	-	-	-	-	46,916	46,916
Total PC 15 Coastal Treatment Plant	1,610,466	-	-	-	126,898	1,242,022	-	1,314,995	4,294,381

**South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected**

Large Capital Cash Balance as of June 30, 2020									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation									
Liquids/AWT									
3701-000 - Secondary Electrical System Rerouting (2014)	-	-	-	-	-	(1,346,689)	-	-	(1,346,689)
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	-	-	-	-	-	482,939	-	-	482,939
3707-000 - Influent Manholes 1 and 2 and Sewer Rehabilitation (2016)	-	-	-	-	-	(121)	-	-	(121)
3708-000 - Influent Junction Structure Gate Replacement (2016)	-	-	-	-	-	42	-	-	42
3712-000 - Grit Basin Drop Gate and Weir Replacement (2016)	-	-	-	-	-	(4,681)	-	-	(4,681)
3713-000 - Primary Inlet Drop Gate Replacement (2016)	-	-	-	-	-	(5)	-	-	(5)
3730-000 - Primary Gallery Upgrade (2014)	-	-	-	-	-	127,994	-	-	127,994
3733-000 AWT Backwash Pipe Relocation (2014)	-	-	-	-	-	(602)	-	-	(602)
3752-000 - AWT No.2 Upgrade Design (2017)013)	-	-	-	-	-	(382)	-	-	(382)
3753-000 Aeration Diffuser Upgrade (2020)	-	-	-	-	-	224,840	-	-	224,840
3758-000 AWT No.2 Reconstruction (2020)	-	-	-	-	-	352,742	-	-	352,742
3781-000 - Primary Scum Skimmer Replacement (2018)	-	-	-	-	-	10,888	-	-	10,888
3784-000 - Replace DAF (Mannich) Polymer System (2018)	-	-	-	-	-	712,607	-	-	712,607
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	-	-	-	-	-	426,869	-	-	426,869
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	-	-	-	-	-	1,354,657	-	-	1,354,657
3787-000 - Aeration Area Upgrade Design (2018)	-	-	-	-	-	52,094	-	-	52,094
3741-000 - Southwest Influent Sewer and MH Repair design (2019)	-	-	-	-	-	100,278	-	-	100,278
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	345,901	-	-	345,901
3743-000 - Aeration Gate Replacement (2019)	-	-	-	-	-	187,197	-	-	187,197
3755-000 Southeast Sewer Rehabilitation (2020)	-	-	-	-	-	50,000	-	-	50,000
3756-000 Secondary Clarifier Safety Repairs (2020)	-	-	-	-	-	17,665	-	-	17,665
3757-000 Miscellaneous Safety Improvements - Liquids (2020)	-	-	-	-	-	24,178	-	-	24,178
3759-000 AWT No.2 Electrical Upgrades (2020)	-	-	-	-	-	105,364	-	-	105,364
3766-000 AWT Sodium Hypochlorite Tanks Shade (2020)	-	-	-	-	-	28,471	-	-	28,471
Total PC 17 Liquids	-	-	-	-	-	3,252,246	-	-	3,252,246

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Large Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
Common										
3715-000 - Switchgear Upgrade (2006)	(2,834)	-	-	(4,638)	(149)	-	(35,320)	-	(2,265)	(45,207)
3717-000 - Security Fencing (2015)	86	-	-	7	4	-	(165)	-	68	0
3718-000 - Access Bridge Upgrades (2015)	650	-	-	48	29	-	(1,257)	-	521	(8)
3761-000 - External Lighting Upgrade	22,511	-	-	38,296	1,192	-	293,960	-	17,986	373,946
3763-000 - Reroute Drains on Plant Perimeter (2017)	1,687	-	-	3,073	90	-	23,898	-	1,349	30,096
3764-000 - SCADA Improvements (2017)	754	-	-	2,806	46	-	23,873	-	596	28,075
3769-000 Trailer Drain Line (2020)	(374)	-	-	(610)	(20)	-	(4,650)	-	(299)	(5,952)
3788-000 - PLC Upgrade	(3,255)	-	-	(4,470)	(168)	-	(32,677)	-	(2,603)	(43,173)
3789-000 - Switchgear Upgrade Project Completion (2018)	(920)	-	-	(1,505)	(48)	-	(11,459)	-	(735)	(14,666)
3744-000 - Admin Building Repair design (2019)	854	-	-	1,398	45	-	10,645	-	683	13,625
3745-000 - West Slope Protection Evaluation (2019)	2,261	-	-	3,700	119	-	28,176	-	1,807	36,064
3746-000 - Motor Control Center A, G, H Design (2019)	8,720	-	-	14,269	459	-	108,656	-	6,969	139,072
3747-000 -Southside Plant Manhole Reconstruction (2019)	947	-	-	1,550	50	-	11,805	-	757	15,109
3748-000 - SE electrical Manhole reconstruction (2019)	8,595	-	-	14,065	452	-	107,104	-	6,869	137,085
Total PC 17 Common	39,683	-	-	67,989	2,100	-	522,591	-	31,704	664,068
Solids										
3722-000 - Co-gen Sys Retrofit (formerly Siloxane) (2015)	38,152	-	-	69,404	2,003	-	200,007	-	30,470	340,036
3723-000 - Recoat Top of Digesters (2016)	0	-	-	(1)	(0)	-	0	-	1	(0)
3724-000 Energy Building Structural and HVAC Modifications (2015)	(1,060)	-	-	(1,928)	(56)	-	(5,556)	-	(846)	(9,445)
3726-000 Co-Generation System Retrofit Design	(374)	-	-	(681)	(20)	-	(1,961)	-	(299)	(3,335)
3770-000 - Additional Budget CoGen Upgrade (2017)	0	-	-	-	-	-	1	-	-	1
3790-000 - Solids Area Upgrade Design (2018)	3,286	-	-	5,979	173	-	17,231	-	2,625	29,294
3791-000 - Cogeneration Area Upgrade Project Completion (2018)	1	-	-	1	-	-	1	-	1	2
3749-000 - Phase I Solids Piping Upgrade (2019)	96,734	-	-	175,964	5,087	-	507,115	-	77,248	862,147
3750-000 - Dewatering room Floor Sealing and Lighting (2019)	11,676	-	-	21,239	614	-	61,210	-	9,324	104,063
3751-000 - Energy Building Roof and Breezeway (2019)	49,936	-	-	90,837	2,626	-	261,785	-	39,877	445,060
3754-000 - SET Piping Reconstruction (2019)	6,115	-	-	11,123	322	-	32,057	-	4,883	54,500
3771-000 - Miscellaneous Safety Improvements - Solids (2020)	8,718	-	-	15,859	459	-	45,704	-	6,962	77,702
3772-000 - Hot Water Piping Reconstruction (2020)	35,139	-	-	63,920	1,848	-	184,211	-	28,061	313,178
3773-000 - Co-Generation System Modifications (2020)	38,288	-	-	69,649	2,014	-	200,724	-	30,577	341,251
Total PC 17 Solids	286,610	-	-	521,365	15,069	-	1,502,529	-	228,882	2,554,454
Total PC 17 Joint Regional Wastewater Reclamation	326,292			589,354	17,169		5,277,366		260,586	6,470,768

**South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected**

Large Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 21 Effluent Transmission Main										
Reach B/C/D										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	162,918	-	162,916	-	-	-	325,833
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	-	-	-	29,632	-	29,632	-	-	-	59,264
Total PC21 Reach B/C/D	-	-	-	192,550	-	192,548	-	-	-	385,097
Reach E										
3104-000 - Aliso Creek Long term Repair Planning (E) (2019)	-	-	-	39,266	-	39,266	-	-	-	78,533
3106-000 - Air Valve Replacement Design and Permitting (E) (2020)	-	-	-	24,146	-	24,146	55,382	-	-	103,674
Total PC21 Reach E	-	-	-	63,412	-	63,412	55,382	-	-	182,207
Total PC 21 Effluent Transmission Main	-	-	-	255,962	-	255,960	55,382	-	-	567,304
PC 24 Aliso Creek Ocean Outfall										
3401-000 - Emergency Plan Development (2016)	89	-	-	131	6	127	353	-	99	806
3407-000 - Internal Seal Replacement (2018)	(47)	-	-	(70)	(3)	(68)	(189)	-	(53)	(431)
3408-000 - Sampling System Repair (2020)	9,879	-	-	14,640	701	14,154	39,383	-	11,056	89,814
3480-000 - Internal Seal Replacement (2020)	13,081	-	-	19,384	928	18,742	52,147	-	14,640	118,921
Total PC 24 Aliso Creek Ocean Outfall	23,001	-	-	34,086	1,631	32,955	91,695	-	25,742	209,110
Total Large Capital Cash	1,959,760	22,596	1,221,462	879,402	145,699	288,915	7,588,397	808,647	2,702,073	15,616,950

South Orange County Wastewater Authority
Total Small Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Small Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham										
Liquids										
2246-000	Primary Motor Operated Valves	-	-	(402)	-	-	(302)	(226)	(377)	(1,307)
2219-015	New Scum Pump and Controls	-	-	5,489	-	-	4,117	3,087	5,146	17,839
2219-021	Spare Vulcan or Grit Seperator	-	-	(6,168)	-	-	(4,626)	(3,469)	(5,782)	(20,044)
2220-001	2 ISCO Samplers (between 3 PC's)	-	-	(5,334)	-	-	(4,000)	(3,000)	(5,000)	(17,335)
2220-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	2,337	-	-	1,753	1,315	2,191	7,596
2220-003	Motor Operated Valve Replacements	-	-	4,615	-	-	3,462	2,596	4,327	15,000
2220-004	Pump Overhaul - Replacements - RSP/Effluent/Bleach	-	-	(20,679)	-	-	(15,510)	(11,632)	(19,387)	(67,208)
2220-005	Exhaust fan replacements	-	-	3,077	-	-	2,308	1,731	2,885	10,000
2220-006	Effluent pump station gas line	-	-	4,615	-	-	3,462	2,596	4,327	15,000
2220-007	Replacement Check Valves	-	-	3,077	-	-	2,308	1,731	2,885	10,000
2220-008	9-side Raw Sewage Pump Rebuild	-	-	7,691	-	-	5,769	4,326	7,211	24,997
2220-009	Stock pri & sec flights and chain	-	-	1,165	-	-	873	655	1,092	3,785
2220-010	Replacement Grit Seperator	-	-	5,309	-	-	3,982	2,986	4,977	17,254
2220-011	Sample processing station relocation project	-	-	(356)	-	-	(267)	(200)	(334)	(1,157)
2220-012	Roll-up and Double Door Replacements	-	-	7,177	-	-	5,383	4,037	6,729	23,327
2220-013	Aeration Diffuser Cleaning System	-	-	6,154	-	-	4,615	3,462	5,769	20,000
2220-014	HVAC Replacements	-	-	4,616	-	-	3,462	2,597	4,328	15,003
2220-034	Wemco Pump Model 16 X 16 I16K-SS-I4	-	-	(3,737)	-	-	(2,803)	(2,102)	(3,503)	(12,145)
2220-035	Wemco Hydrosal Pump	-	-	(2,482)	-	-	(1,861)	(1,396)	(2,326)	(8,065)
Total Liquids		-	-	16,166	-	-	12,124	9,093	15,155	52,539
Common										
2219-041	JBL Wireless Project	-	-	6,077	-	-	4,470	4,569	4,885	20,000
2219-048	Agenda Preparation Software / Audio Visual Hardware	-	-	(40,825)	-	-	(30,029)	(30,692)	(32,815)	(134,361)
2219-022	Safety Equipment	-	-	(2,179)	-	-	(1,603)	(1,638)	(1,752)	(7,173)
2220-015	Safety Equipment	-	-	5,861	-	-	4,311	4,406	4,711	19,290
2220-016	Replacement sump pump	-	-	964	-	-	709	725	775	3,173
2220-017	Replacement Access Gate Operators	-	-	6,076	-	-	4,469	4,568	4,884	19,997
2220-018	Fixed Gas Detector Equipment	-	-	4,285	-	-	3,152	3,222	3,444	14,103
2220-019	Stanley Security Access Expansion 2019	-	-	4,558	-	-	3,352	3,426	3,663	15,000
2220-020	Two Utility Vehicles	-	-	-	-	-	-	-	-	-
2220-021	Replacement Air Compressor	-	-	(76)	-	-	(56)	(57)	(61)	(250)
2220-022	Gate Operator	-	-	6,290	-	-	4,626	4,729	5,056	20,700
2220-023	Lighting System Improvements	-	-	4,558	-	-	3,352	3,426	3,663	15,000
2220-033	Backup HVAC Building #13	-	-	(3,710)	-	-	(2,729)	(2,789)	(2,982)	(12,210)
Total PC 2 Common		-	-	(8,122)	-	-	(5,974)	(6,106)	(6,528)	(26,730)

South Orange County Wastewater Authority
Total Small Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Small Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
Solids										
2219-035	Spare Cogen Parts	-	-	(10,833)	-	-	(7,808)	(10,248)	(7,222)	(36,111)
2219-039	Centrifuge Rebuild	-	-	15,000	-	-	10,811	14,189	10,000	50,000
2220-024	Digester valves	-	-	18,000	-	-	12,973	17,027	12,000	60,000
2220-025	Replacement Recirc Pump	-	-	3,151	-	-	2,271	2,981	2,101	10,503
2220-026	Replacement Pumps - Ferric/RAS/Recirculation	-	-	3,000	-	-	2,162	2,838	2,000	10,000
2220-027	Replacement Valves	-	-	(155)	-	-	(112)	(146)	(103)	(516)
2220-028	Pump Overhaul - Replacements - Primary/Secondary RAS-WAS	-	-	1,528	-	-	1,101	1,445	1,019	5,094
2220-029	Centrifuge Support Equipment	-	-	(2,123)	-	-	(1,530)	(2,008)	(1,415)	(7,077)
2220-030	Replacement Seepex pump	-	-	9,000	-	-	6,486	8,514	6,000	30,000
2220-031	Centrifuge Rebuild	-	-	9,848	-	-	7,098	9,316	6,565	32,827
2220-036	Install 2 inch and 1 inch Gas Line	-	-	(33,160)	-	-	(23,899)	(31,368)	(22,107)	(110,534)
2220-037	Rolling Door and Motor	-	-	(4,848)	-	-	(3,494)	(4,586)	(3,232)	(16,160)
Total PC 2 Solids		-	-	8,408	-	-	6,060	7,953	5,605	28,025
Total PC2 JB Latham		-	-	16,452	-	-	12,210	10,940	14,232	53,834
PC 05 San Juan Creek Ocean Outfall										
2620-001	Fecal Incubator Replacement (between 5 and 24)	-	457	305	-	-	427	1,220	343	2,752
Total PC05 SJ Creek Outfall		-	457	305	-	-	427	1,220	343	2,752
PC 15 Coastal Treatment Plant										
Liquids										
2568-000	Valves	7,582	-	-	-	597	5,851	-	5,970	20,000
2519-006	Commercial Door	(7,845)	-	-	-	(618)	(6,053)	-	(6,177)	(20,693)
2219-021	Spare Vulcan or Grit Seperator	(1,957)	-	-	-	(154)	(1,510)	-	(1,541)	(5,163)
2220-001	2 ISCO Samplers (between 3 PC's)	649	-	-	-	51	501	-	511	1,712
2220-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	(2,617)	-	-	-	(206)	(2,020)	-	(2,061)	(6,903)
2520-003	Replacement Scrubber Water Softener	3,792	-	-	-	299	2,926	-	2,986	10,003
2520-004	Pump Overhaul/Replacements	(9,169)	-	-	-	(722)	(7,075)	-	(7,220)	(24,186)
2520-005	Replacement Grit Auger	-	-	-	-	-	-	-	-	-
2520-006	Replacement Scum Pumps	28,433	-	-	-	2,239	21,940	-	22,388	75,000
2520-007	Chain and Flights	5,687	-	-	-	448	4,388	-	4,478	15,000
2520-008	Drive Overhaul/Replacements	5,687	-	-	-	448	4,388	-	4,478	15,000
2520-009	Process water pump replacement	3,791	-	-	-	299	2,925	-	2,985	10,000
2520-010	Headworks Building Recoating	(1,067)	-	-	-	(84)	(823)	-	(840)	(2,815)
2520-011	Valves	9,478	-	-	-	746	7,313	-	7,463	25,000
2520-012	Aeration Panel Replacement	-	-	-	-	-	-	-	-	-
2520-013	Ventilation Fan Replacement	-	-	-	-	-	-	-	-	-
2520-014	Roll-up and Double Door Replacements	1,700.91	-	-	-	133.93	1,312.52	-	1,339.30	4,487
2520-015	Grinding Pump Replacement	9,475	-	-	-	746	7,312	-	7,461	24,994
2573-000	Headwork Ventilation Fans	(18,197)	-	-	-	(1,433)	(14,042)	-	(14,328)	(48,000)
Total PC 15 Liquids		35,422	-	-	-	2,789	27,333	-	27,891	93,435

**South Orange County Wastewater Authority
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Spent (More)/Less Than Collected**

Small Capital Cash Balance as of June 30, 2020											
	16	17	18	19	20	21	22	23	24		
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total	
Common											
2580-000	Safety Equipment	5,219	-	-	-	411	-	4,027	-	4,109	13,766
2520-016	Safety Equipment	1,127	-	-	-	89	-	869	-	887	2,972
2520-017	HVAC Replacements	-	-	-	-	-	-	-	-	-	-
2520-018	Stanley Security Access Expansion 2019	2,456.22	-	-	-	193.40	-	1,895.35	-	1,934.03	6,479
2520-019	Landscape renovation	-	-	-	-	-	-	-	-	-	-
2520-020	Microscope	2,275	-	-	-	179	-	1,755	-	1,791	6,000
2520-021	Additional Parameter Fencing and Gates	3,791	-	-	-	299	-	2,925	-	2,985	10,000
2520-022	Fixed Gas Detector Equipment	-	-	-	-	-	-	-	-	-	-
2520-027	Tractor	(29,475)	-	-	-	(2,321)	-	(22,745)	-	(23,209)	(77,750)
2555-000	CTP Wireless Project	-	-	-	-	-	-	-	-	-	-
Total PC 15 Common		(14,608)	-	-	-	(1,150)	-	(11,272)	-	(11,502)	(38,533)
AWT											
2520-023	Spare Bleach Pump	-	-	-	-	-	-	-	-	10,000	10,000
2520-024	Replacement Analyzer Equipment	-	-	-	-	-	-	-	-	20,000	20,000
2520-025	AWT Bleach Pump Pad Cover	-	-	-	-	-	-	-	-	-	-
Total PC 15 AWT		-	-	-	-	-	-	-	-	30,000	30,000
Total PC 15 Coastal Treatment Plant		20,813	-	-	-	1,639	-	16,061	-	46,388	84,901
PC 17 Joint Regional Wastewater Reclamation											
Liquids											
2219-021	Spare Vulcan or Grit Seperator	-	-	-	-	-	-	(5,163)	-	-	(5,163)
2220-001	2 ISCO Samplers (between 3 PC's)	-	-	-	-	-	-	(4,389)	-	-	(4,389)
2220-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	-	-	-	-	(6,906)	-	-	(6,906)
2720-003	Interstage #2 Pump and Motor Rebuild	-	-	-	-	-	-	2,689	-	-	2,689
2720-004	RAS #24 Pump and Motor Rebuild	-	-	-	-	-	-	2,206	-	-	2,206
2720-005	RAS #4 Pump and Motor Rebuild	-	-	-	-	-	-	2,861	-	-	2,861
2720-006	RAS #6 Pump and Motor Rebuild	-	-	-	-	-	-	8,748	-	-	8,748
2720-007	RAS #66 Pump and Motor Rebuild	-	-	-	-	-	-	-	-	-	-
2720-008	Replacement Recirc Pump	-	-	-	-	-	-	-	-	-	-
2720-009	Check Valves	-	-	-	-	-	-	(11,074)	-	-	(11,074)
2720-010	Replacement Hydrogritter	-	-	-	-	-	-	(9,281)	-	-	(9,281)
2720-011	3LP Strainer Replacement Project	-	-	-	-	-	-	-	-	-	-
2720-012	Primary Tank Chain Drives	-	-	-	-	-	-	(1,319)	-	-	(1,319)
2720-013	Headworks Roll Up Door Replacement	-	-	-	-	-	-	-	-	-	-
2720-031	Primary Sludge Spare Pump	-	-	-	-	-	-	(19,662)	-	-	(19,662)
Total PC 17 Liquids		-	-	-	-	-	-	(41,289)	-	-	(41,289)

South Orange County Wastewater Authority
Total Small Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Small Capital Cash Balance as of June 30, 2020										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
Common										
2720-014	1	-	-	2	0	-	12	-	1	15
2720-015	1,882	-	-	3,079	99	-	23,448	-	1,504	30,012
2720-016	941	-	-	1,539	50	-	11,719	-	752	15,000
Total PC 17 Common	2,823	-	-	4,620	149	-	35,179	-	2,256	45,027
Solids										
2720-017	(304)	-	-	(552)	(16)	-	(1,591)	-	(242)	(2,705)
2720-018	4,488	-	-	8,164	236	-	23,528	-	3,584	40,000
2720-019	1,682	-	-	3,060	88	-	8,819	-	1,343	14,994
2720-020	335.93	-	-	611.08	17.66	-	1,761.07	-	268.26	2,994
2720-021	3,366	-	-	6,123	177	-	17,646	-	2,688	30,000
2720-022	(280)	-	-	(510)	(15)	-	(1,469)	-	(224)	(2,497)
2720-023	1,850.68	-	-	3,366.53	97.32	-	9,702.06	-	1,477.91	16,495
2720-024	(187)	-	-	(340)	(10)	-	(979)	-	(149)	(1,664)
2720-028	(1,894)	-	-	(3,446)	(100)	-	(9,930)	-	(1,513)	(16,883)
2720-033	(2,598)	-	-	(4,727)	(137)	-	(13,622)	-	(2,075)	(23,158)
2720-034	(1,960)	-	-	(3,565)	(103)	-	(10,273)	-	(1,565)	(17,465)
Total PC 17 Solids	4,500	-	-	8,187	237	-	23,593	-	3,594	40,111
AWT										
2720-025	-	-	-	-	-	-	(1,466)	-	-	(1,466)
2720-026	-	-	-	-	-	-	10,000	-	-	10,000
2720-027	-	-	-	-	-	-	10,000	-	-	10,000
2720-030	-	-	-	-	-	-	(5,963)	-	-	(5,963)
2720-032	-	-	-	-	-	-	(8,386)	-	-	(8,386)
Total PC 17 AWT	-	-	-	-	-	-	4,185	-	-	4,185
Total PC 17 Joint Regional Wastewater Reclamation	7,324	-	-	12,806	385	-	21,668	-	5,850	48,034
PC 21 Effluent Transmission										
Reach B/C/D										
2120-001	-	-	-	(26,158)	-	(26,158)	-	-	-	(52,316)
Total PC 21 Effluent Transmission				(26,158)		(26,158)				(52,316)
PC 24 Aliso Creek Ocean Outfall										
2620-001	303	-	-	449	21	434	1,207	-	339	2,752
Total PC 24 Aliso Creek Outfall	303	-	-	449	21	434	1,207	-	339	2,752
Total Small Capital Cash	28,440	457	16,756	(12,903)	2,046	(25,724)	51,572	12,160	67,153	139,957

**South Orange County Wastewater Authority
Total Non Capital Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected**

Non Capital Use Audit FY 2019-20									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham									
Liquids									
4201-000 - Plant 1 Blower Building Condition Assessment (2020)									
4202-000 - Pipeline Condition Assessment Methodology Evaluation (2020)	-	-	15,538	-	-	-	11,653	8,740	14,567
4203-000 - Plant Hydraulic Modeling and Flow Management Plan (2020)									
Total Liquids	-	-	15,538	-	-	-	11,653	8,740	14,567
Common									
4001-000 - Plant Drain System Evaluation (2017)	-	-	(3,866)	-	-	-	(2,843)	(2,906)	(3,107)
4204-000 - Electrical Manhole Condition Assessment (2020)	-	-	3,866	-	-	-	2,843	2,906	3,107
Total Common	-	-	-	-	-	-	-	-	-
Solids									
4214-000 - Solids Management Plan (2020)	-	-	30,292	-	-	-	21,832	28,654	20,194
Total Solids	-	-	30,292	-	-	-	21,832	28,654	20,194
Total PC2 JB Latham									
	-	-	45,829	-	-	-	33,485	37,394	34,761
PC 15 Coastal Treatment Plant									
Liquids									
4501-000 - Electrical Manhole/Cable Assessment (2020)	23,063	-	-	-	1,816	-	17,797	-	18,160
4504-000 - CTP Floodplain Mapping	(2,102)	-	-	-	(165)	-	(1,622)	-	(1,655)
Total Liquids	20,961	-	-	-	1,650	-	16,175	-	16,505
Total PC 15 Coastal Treatment Plant									
	20,961	-	-	-	1,650	-	16,175	-	16,505
Common									
4703-000 - Lab Reconstruction Evaluation (2020)									
4704-000 - Evaluate Plant and Storm Drainage (2020)	5,710	-	-	9,344	301	-	71,154	-	4,563
Total Common	5,710	-	-	9,344	301	-	71,154	-	4,563
Total PC 17 Joint Regional Wastewater Reclamation									
	5,710	-	-	9,344	301	-	71,154	-	4,563
Total Non-Capital Cash									
	26,671	-	45,829	9,344	1,951	-	120,814	37,394	55,829

South Orange County Wastewater Authority
Total Non Capital Miscellaneous Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected

Non Capital Miscellaneous Use Audit FY 2019-20											
	16	17	18	19	20	21	22	23	24		
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total	
PC 02 J B Latham											
Liquids											
5205-000(a)	PC 2 Asset Register Pilot Project Liquids (2020)	-	-	653	-	-	-	489	367	612	2,121
5207-000(l)	Air Handling System Analysis (2020)	-	-	(162)	-	-	-	(122)	(91)	(152)	(527)
5208-000	Blower Bldg Imps Engineering Services (2020)	-	-	-	-	-	-	-	-	-	-
	Total Liquids	-	-	490	-	-	-	368	276	460	1,594
Solids											
5204-000(a)	PC 2 Innovative Biosolids Solids (2020)	-	-	13,500	-	-	-	9,730	12,770	9,000	45,000
5206-000	Engine Permitting (2020)	-	-	(3,894)	-	-	-	(2,806)	(3,684)	(2,596)	(12,980)
5207-000(s)	Air Handling System Analysis (2020)	-	-	(158)	-	-	-	(114)	(150)	(105)	(527)
	Total PC 2 Solids	-	-	9,448	-	-	-	6,809	8,937	6,299	31,493
	Total PC2 JB Latham	-	-	9,938	-	-	-	7,177	9,213	6,758	33,087
PC 05 San Juan Creek Ocean Outfall											
5615-000	PC 5 Miscellaneous Engineering Outfall (2020)	-	991	660	-	-	-	925	2,642	743	5,961
	Total PC05 SJ Creek Outfall	-	991	660	-	-	-	925	2,642	743	5,961
PC 15 Coastal Treatment Plant											
AWT											
5504-000	PC 15 Miscellaneous Engineering AWT (2020)	-	-	-	-	-	-	-	-	15,000	15,000
	Total PC 15 AWT	-	-	-	-	-	-	-	-	15,000	15,000
	Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	15,000	15,000
PC 17 Joint Regional Wastewater Reclamation											
Solids											
5204-000(b)	PC 17 Innovative Biosolids Solids (2020)	5,049	-	-	9,184	265	-	26,468	-	4,032	44,998
5704-000	Engine Permitting (2020)	(254)	-	-	(461)	(13)	-	(1,329)	-	(202)	(2,260)
5706-000	Update Cost Escalation Analysis (2020)	(118)	-	-	(215)	(6)	-	(620)	-	(94)	(1,055)
5707-000	ARC Flash Analysis Update (2020)	(1,077)	-	-	(1,959)	(57)	-	(5,647)	-	(860)	(9,600)
	Total PC 17 Solids	3,600	-	-	6,548	189	-	18,872	-	2,875	32,084
	Total PC 17 Joint Regional Wastewater Reclamation	3,600	-	-	6,548	189	-	18,872	-	2,875	32,084

**South Orange County Wastewater Authority
Total Non Capital Miscellaneous Projects Cash Roll Forward for FY 2019-20
Spent (More)/Less Than Collected**

Non Capital Miscellaneous Use Audit FY 2019-20										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 21 Effluent Transmission Main										
Reach B/C/D										
5113-000				2,625		2,625				5,250
				2,625		2,625				5,250
Reach E										
5114-000				1,165		1,165	2,671			5,000
				1,165		1,165	2,671			5,000
Total PC 21 Effluent Transmission Main										
				3,790		3,790	2,671			10,250
PC 24 Aliso Creek Ocean Outfall										
5415-000	667			988	47	955	2,658		746	6,061
	667			988	47	955	2,658		746	6,061
Total Non Capital Miscellaneous Cash										
	4,266	991	10,599	11,326	237	4,745	32,302	11,855	26,122	102,442

**SOCWA
Preliminary
Use Audit
Fiscal Year 2019-20
Finance Committee
October 27, 2020**

FY 2019-20 USE AUDIT SUMMARY

Actual Spending and Actual Usage								
O&M			Small Capital ²	Large Capital ³	Non-Capital ⁴	Non-Capital Misc. ⁵	Total	
FY 2019-20 Budget ¹	FY 2019-20 Actual	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results	
SOCWA by Member Agency								
City of Laguna Beach	\$2,397,060	\$2,099,074	\$297,986	\$28,440		\$26,671	\$4,266	\$357,363
City of San Clemente	146,256	155,766	(9,510)	457			991	(8,062)
City of San Juan Capistrano	2,195,284	2,198,165	(2,881)	16,756	(\$51,746)	45,829	10,599	18,558
El Toro Water District	889,676	937,053	(47,377)	(12,903)		9,344	11,326	(39,611)
Emerald Bay Service District	154,448	149,324	5,124	2,046		1,951	237	9,357
Irvine Ranch Water District	163,392	160,524	2,868	(25,724)			4,745	(18,112)
Moulton Niguel Water District	9,149,540	8,993,369	156,171	51,572	(38,783)	120,814	32,302	322,076
Santa Margarita Water District	2,210,540	2,357,682	(147,142)	12,160	(29,083)	37,394	11,855	(114,816)
South Coast Water District	3,946,388	3,736,264	210,124	67,153	(48,479)	55,829	26,122	310,749
Trabuco Canyon Water District	62,264	54,975	7,289					7,289
Total Member Agency	\$21,314,848	\$20,842,196	\$472,652	\$139,957	(\$168,091)	\$297,833	\$102,442	\$844,792

Actual Spending, \$20,842,196, is the Authority's Operating Revenue for FY 2019-20.

**South Orange County Wastewater Authority
Statement of Revenues, Expenses and Changes in Net Position
For the year ended June 30, 2020**

	SOCWA Actual 6-30-2020	PC 23 Actual 6-30-2020	Consolidated Actual 6-30-2020
Operating Revenues			
O&M Member Agency Assessments			
City of Laguna Beach	\$2,099,074	\$1,613,764	\$3,712,839
City of San Clemente	155,766		155,766
City of San Juan Capistrano	2,198,165		2,198,165
El Toro Water District	937,053		937,053
Emerald Bay Service District	149,324		149,324
Irvine Ranch Water District	160,524		160,524
Moulton Niguel Water District	8,993,369		8,993,369
Santa Margarita Water District	2,357,682		2,357,682
South Coast Water District	3,736,264		3,736,264
Trabuco Canyon Water District	54,975		54,975
Total O&M Member Agency Assessments	\$20,842,196	\$1,613,764	\$22,455,960

FY 2019-20 Operating Revenue, \$20,842,196, before PC 23 Consolidation, is the Authority's Actual Spending from the Use Audit.

Actual Spending and Budget Usage ¹								
O&M			Small Capital	Large Capital	Non-Capital	Non-Capital Misc.	Total	
FY 2019-20 Budget	FY 2019-20 Actual	(Over)/Under Budget ¹	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	(Over)/Under Budget	USE Audit Results	
SOCWA by Member Agency								
City of Laguna Beach	\$2,397,060	\$2,343,906	\$53,154	\$28,440		\$26,671	\$4,266	\$112,532
City of San Clemente	146,256	143,013	3,243	457			991	4,691
City of San Juan Capistrano	2,195,284	2,146,604	48,680	16,756	(\$51,746)	45,829	10,599	70,119
El Toro Water District	889,676	869,948	19,728	(12,903)		9,344	11,326	27,495
Emerald Bay Service District	154,448	151,023	3,425	2,046		1,951	237	7,658
Irvine Ranch Water District	163,392	159,769	3,623	(25,724)			4,745	(17,356)
Moulton Niguel Water District	9,149,540	8,946,651	202,889	51,572	(38,783)	120,814	32,302	368,793
Santa Margarita Water District	2,210,540	2,161,522	49,018	12,160	(29,083)	37,394	11,855	81,345
South Coast Water District	3,946,388	3,858,878	87,510	67,153	(48,479)	55,829	26,122	188,135
Trabuco Canyon Water District	62,264	60,883	1,381					1,381
Total Member Agency	\$21,314,848	\$20,842,196	\$472,652	\$139,957	(\$168,091)	\$297,833	\$102,442	\$844,792

¹Member Agency Distribution changed to agree with Budget Distribution.

Budget vs. Actual Variance is composed of Usage, used more or less of the Authority's services, and Spending, spent more or less than Budget

Member Agency	O&M Variance Analysis		
	Usage Variance	Spending Variance	Total Variance
	(Used More)/ Used Less \$	(Spent More)/ Spent Less \$	Total Variance
City of Laguna Beach	\$244,831	\$53,154	\$297,986
City of San Clemente	(12,753)	3,243	(9,510)
City of San Juan Capistrano	(51,560)	48,680	(2,881)
El Toro Water District	(67,106)	19,728	(47,377)
Emerald Bay Service District	1,699	3,425	5,124
Irvine Ranch Water District	(756)	3,623	2,868
Moulton Niguel Water District	(46,718)	202,889	156,171
Santa Margarita Water District	(196,160)	49,018	(147,142)
South Coast Water District	122,614	87,510	210,124
Trabuco Canyon Water District	5,909	1,381	7,289
Total Member Agency	(\$0)	\$472,652	\$472,652

Cash Reconciliation
Fiscal Year End 2016, 2017, 2018, 2019 & 2020 Preliminary

	6/30/2016	6/30/2017	6/30/2018	6/30/2019	6/30/2020
Cash on Hand	5,777,486	12,949,694	13,557,237	20,857,094	22,361,420
Accounts Payable	(2,453,079)	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)
Accrued Payroll	(129,958)	(102,661)	(127,396)	(100,221)	(160,049)
Accounts Receivable	316,772	1,069,282	1,660,444	14,179	49,286
PTO Reserves	(684,767)	(653,282)	(620,032)	(683,536)	(734,477)
Due to Mbr Agency	(1,692,399)	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)
Due From Mbr Agency	1,316,255	1,069,819	2,433,322	856,669	870,004
Mbr Agency Refund held for FY 19-20				(1,068,028)	
Audit Adjustment	311,131				
Prepaid	65,614	65,082	204,867	211,725	155,939
Deposits	18,000	19,500	-		
Available Cash	2,845,055	10,375,905	10,883,737	15,631,481	17,353,752
Large Capital Cash as of June 30th 2016, 2017, 2018, 2019 & 2020	2,223,007	9,168,439	8,793,369	15,067,539	15,616,950
Adjusting Items					
Non Capital Engineering Cash Balance		295,062	(81,041)		
Moulton Niguel Non Capital Engineering Accounts Receivable		(21,831)	(22,416)		
Moulton Niguel Large Capital Accounts Receivable		649,490	1,382,368		
Add Use Audit Settlement FY 17-18			216,467		
Add Use Audit Settlement FY 16-17	211,626	(49,931)	(49,931)		
Total Large Capital Cash	2,434,633	10,041,229	10,238,817	15,067,539	15,616,950
Other Adjusting Items					
Small Capital Carryover	129,000	(129,000)		172,996	565,000
Non Capital Carryover					369,508
Non Capital Misc Carryover					252,298
Mbr Agency Refund held for FY 19-20					
Cash Collected for PC 2 Zephyr Wall		76,318		76,318	
Other misc., fringe adj, interest adj, etc.		22,331	(4,916)		
Net Cash as of June 30th 2016, 2017, 2018 ,2019 & 2020	2,563,633	10,010,879	10,233,900	15,316,853	16,803,755
Difference (Additional Cash)	281,422	365,027	649,837	314,628	549,996

Additional Cash					
	6/30/2016	6/30/2017	6/30/2018	6/30/2019	6/30/2020
Prior Balance		281,422	365,027	649,837	314,628
Payment to Member Agencies				(649,837)	(314,628)
County of Orange Bankruptcy Payment	18,714				
County of Orange Admin Fees	13,626				
County of Orange Access Maintenance	3,000				
City of Laguna Niguel Heat Transfer	31,320				
SMWD Lab Fees	17,820				
Coke machine	30				
FEMA Reimbursement			136,995		9,277
CA State Cost Reimbursement					15,356
Interest Income Received	24,587	45,294	114,150	249,482	405,052
Recycling Income	16,710	11,708	2,112	1,618	1,966
PC 23 Admin Payment		9135			
Mutual Omaha Refund		8034			
Interest received for 4th qtr		4934	25256.44	52301.94	113946.78
LAIF Interest Adj.		3000			
Grant Revenue		1500			
Sale of Fixed Assets	20,289		6,297	11,226	8,675
Other misc adjustments	135,326				(4,277)
Total Other Cash	281,422	365,027	649,837	314,628	549,996

Agenda Item

5b

Board of Directors Meeting

Meeting Date: November 5, 2020

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Q1 FY 2020-21 Cash Roll Forward as of September 30, 2020

Summary/Discussion

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

The Finance Committee reviewed this item at its October 27, 2020 meeting and will consider a recommendation to the Board at a meeting for the Committee to be held on November 3, 2020. The Committee representatives/staff will update the Board at the November 5, 2020 meeting on recommended actions.

Cash Roll Forward Q1, September 30, 2020

Cash Roll Forward balances are attached:

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

Recommended Action:

- Receive a report from the Finance Committee
- Option to receive and file the Q1 Fiscal Year 2020-21 Cash Roll Forward as submitted.

South Orange County Wastewater Authority
Cash Reconciliation
Fiscal Year End 2017, 2018, 2019, 2020 and Q1 2021 Preliminary¹

	6/30/2017	6/30/2018	6/30/2019	6/30/2020	9/30/2020
(1) Cash on Hand	12,949,694	13,557,237	20,857,094	22,361,420	17,461,029
Accounts Payable	(2,682,688)	(2,314,106)	(1,981,080)	(3,531,550)	(2,686,707)
Accrued Payroll	(102,661)	(127,396)	(100,221)	(160,049)	(80,430)
Accounts Receivable	1,069,282	1,660,444	14,179	49,286	689,873
(2) PTO Reserves	(653,282)	(620,032)	(683,536)	(734,477)	(656,539)
Due to Mbr Agency	(1,358,841)	(3,910,599)	(2,475,322)	(1,656,822)	(1,606,352)
Due From Mbr Agency	1,069,819	2,433,322	856,669	870,004	761,560
Mbr Agency Refund held for FY 19-20			(1,068,028)		
Audit Adjustment					
Prepaid	65,082	204,867	211,725	155,939	392,305
Deposits	19,500	-			

	6/30/2017	6/30/2018	6/30/2019	6/30/2020	9/30/2020
(3) Available Cash	10,375,905	10,883,737	15,631,481	17,353,752	14,274,740
(4) Large Capital Cash as of June 30th 2017, 2018, 2019, 2020 & 2021	9,168,439	8,793,369	15,067,539	15,616,950	11,897,997
Non Capital Engineering Cash Balance	295,062	(81,041)			
Moulton Niguel Non Capital Engineering Accounts Receivable	(21,831)	(22,416)			
Moulton Niguel Large Capital Accounts Receivable	649,490	1,382,368			
Add Use Audit Settlement FY 17-18		216,467			
Add Use Audit Settlement FY 16-17	(49,931)	(49,931)			
(5) Total Large Capital Cash	10,041,229	10,238,817	15,067,539	15,616,950	11,897,997
(6) Small Capital Carryover	(129,000)		172,996	565,000	333,233
Non-Capital Carryover				369,508	337,086
Non-Capital Misc. Carryover				252,298	208,974
Mbr Agency Refund held for FY 19-20					
Cash Collected for PC 2 Zephyr Wall	76,318		76,318		
Other misc., fringe adj, interest adj, etc.	22,331	(4,916)			
Small Capital Cash Collected in Excess of Expenditures					445,070
Non Capital Cash Collected in Excess of Expenditures					56,803
Non Capital Misc Cash Collected in Excess of Expenditures					18,750
O&M Cash Collected in Excess of Expenditures					342,910
Net Cash as of June 30th 2017, 2018, 2019, 2020 & Q1 2021	10,010,879	10,233,900	15,316,853	16,803,755	13,640,823
(7) Difference	365,027	649,837	314,628	549,996	633,917

Additional Cash Is:					
Prior Balance	281,422	365,027	649,837	314,628	549,996
Payment to Member Agencies			(649,837)	(314,628)	
County of Orange Bankruptcy Payment					
County of Orange Admin Fees					
County of Orange Access Maintenance					
City of Laguna Niguel Heat Transfer					
SMWD Lab Fees					
Coke machine					
FEMA Reimbursement		136,995		9,277	
CA State Cost Reimbursement				15,356	
Interest Income Received	45,294	114,150	249,482	405,052	
Recycling Income	11,708	2,112	1,618	1,966.23	
PC 23 Admin Payment	9,135				
Mutual Omaha Refund	8,034				
Interest received for 4th qtr	4,934	25,256	52,302	113,947	83,920
LAIF Interest Adj.	3,000				
Grant Revenue	1,500				
Other misc. expenses				(4,277)	
Sale of Fixed Assets		6,297	11,226	8,675	
Other misc adjustments	199				
Total Other Cash	365,027	649,837	314,628	549,996	633,917

Cash Roll Forward Notes FY 2019-20

1. Cash on Hand from Audited Financial Statements; amount confirmed with Bank, Bank Statements, and
2. Adjustment for Current Assets and Liabilities, Obligations against the Cash (accounts payable, payroll Amounts due to the Authority, Accounts Receivable, Use Audit Due From Member Agencies, Prepaids
3. Available Cash (Item 1 above less Item 2). The Authority does not carry Cash Reserves; there is some
4. Large Capital Cash is supported by a subsidiary report detailing by project committee, wastewater
 - a) Beginning Cash Balance from the Audited 6/30/2019 Cash Roll Forward
 - b) Contributions based on the quarterly capital billings
 - c) Actual expenditures
 - d) Use Audit Settlement
 - e) Net Cash balance
5. Total Large Capital Cash.
6. Small Capital, Non-Capital and Non-Capital Misc. Carryover.
7. Difference is additional cash from interest on LAIF account balance and sources other than Member Agencies.

**South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q1 FY 2020-21**

Large Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham										
Liquids										
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	53,833	-	-	-	40,415	30,316	50,520	175,084
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	41,504	-	-	-	31,149	23,363	38,937	134,953
3253-000 - Effluent System Valves Replacement (2107)	-	-	27,244	-	-	-	21,598	16,200	26,997	92,039
3254-000 - Additional Package B Liquids Design (2017)	-	-	46,669	-	-	-	35,016	26,262	43,771	151,718
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	12,638	-	-	-	9,547	7,230	11,956	41,371
3285-000 - Main Plant Drain Line Reconstruction (2018)	-	-	(4)	-	-	-	(3)	(3)	(4)	(15)
3215-000 - Motor Control Center M Replacement Design (2019)	-	-	9,902	-	-	-	7,427	5,570	9,283	32,182
3220-000 - Facility Improvements B - Basin Upgrades Construction I (2019)	-	-	439,206	-	-	-	329,455	247,016	411,795	1,427,471
32211L-000 - Plant 2 Grit Area Rehabilitation	-	-	(12,548)	-	-	-	(9,411)	(7,059)	(11,764)	(40,783)
Total PC 02 Liquids	-	-	618,442	-	-	-	465,192	348,896	581,491	2,014,021
Common										
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	(0)	-	-	-	(0)	(0)	(0)	(1)
3260-000 - SCADA System Upgrade (2017)	-	-	(5,115)	-	-	-	(3,763)	(3,846)	(4,112)	(16,835)
3286-000 - PLC Upgrades (2018)	-	-	15,345	-	-	-	11,300	11,544	12,337	50,526
3221-000 - Electrical System Evaluation (2019)	-	-	10,807	-	-	-	7,949	8,125	8,687	35,569
3231-000 Facility Improvements B - Common Upgrades Construction	-	-	68,418	-	-	-	50,320	51,427	54,985	225,150
Total PC 02 Common	-	-	89,454	-	-	-	65,807	67,250	71,897	294,408
Solids										
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	30,000	-	-	-	21,603	28,396	20,001	100,000
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	(207,223)	-	-	-	(149,365)	(196,006)	(138,148)	(690,742)
3222-000 - Centrate System Design (2019)	-	-	8,433	-	-	-	6,078	7,977	5,622	28,110
3223-000 - Emulsion Polymer Feeder Replacement (2019)	-	-	22,259	-	-	-	16,043	21,056	14,840	74,198
3224-000 - Digester No.4 Rehabilitation (2019)	-	-	94,864	-	-	-	68,371	89,736	63,243	316,214
3225-000 - Facility Improvements B - DAFT and Ancillary Solids Improvement	-	-	(2)	-	-	-	(2)	(2)	(2)	(8)
Total PC 02 Solids	-	-	(51,669)	-	-	-	(37,272)	(48,843)	(34,445)	(172,229)
Total PC2 JB Latham	-	-	656,228	-	-	-	493,727	367,303	618,943	2,136,200

South Orange County Wastewater Authority
Total Large Capital Projects Cash Roll Forward for Q1 FY 2020-21

Large Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 05 San Juan Creek Ocean Outfall										
3601-000 Junction Structure Reinforcement Phase II (2016)	-	3,123	2,083	-	-	-	2,914	8,331	2,344	18,795
3603-000 Dilution Study (2016)	-	9,889	6,593	-	-	-	9,228	26,370	7,420	59,500
3650-000 - Junction Structure Reinforcement Construction (2017)	-	(2,134)	(1,422)	-	-	-	(1,992)	(6,178)	(1,602)	(13,327)
3605-000 - Junction Structure Reinforcement Permitting and Final Design	-	17,113	11,409	-	-	-	15,969	45,634	12,840	102,965
Total PC5 San Juan Creek Ocean Outfall	-	27,992	18,662	-	-	-	26,120	74,157	21,002	167,933
PC 15 Coastal Treatment Plant										
Liquids										
3504-000 - Aeration System Modification Design (2015)	(9)	-	-	-	(1)	-	(7)	-	(7)	(23)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	(373)	-	-	-	(29)	-	(288)	-	(294)	(983)
3530-000 Aliso Sulfur Creek Confluence (2014)	(12)	-	-	-	(1)	-	(9)	-	(9)	(31)
3532-000 - Fire Protection (2013)	11,525	-	-	-	908	-	8,254	-	9,075	29,763
3534-000 - Export Sludge System (1997)	270,739	-	-	-	21,323	-	208,911	-	213,180	714,153
3539-000 Facility Construction Improvements - Part II (2020)	106,619	-	-	-	8,395	-	82,275	-	83,956	281,244
3551-000 - Add for CTP Facility Upgrade Design (2017)	52,590	-	-	-	4,147	-	40,577	-	41,409	138,722
3553-000 - Plant Drainage Improvements (2017)	92,274	-	-	-	7,272	-	71,200	-	72,656	243,403
3592-000 - Facility Improvements Project Design (2018)	16,957	-	-	-	1,408	-	13,034	-	13,344	44,742
3525-000 - Personnel Building reconstruction (2019)	49,600	-	-	-	3,905	-	38,274	-	39,055	130,834
3526-000 - Facility Improvements Project Construction - Part I (2019)	(32)	-	-	-	(2)	-	(24)	-	(25)	(84)
3527-000 - Vehicle Storage Building Roof (2019)	32,224	-	-	-	2,537	-	24,866	-	25,373	85,000
3528-000 - AWMA Road Sites West 1 and West 2 Embankment Protection	49,652	-	-	-	3,910	-	38,314	-	39,096	130,972
3529-000 - Aliso Creek Long Term Repair Planning	30,094	-	-	-	2,370	-	23,222	-	23,696	79,382
3541-000 Export Sludge System Construction (2020)	513,708	-	-	-	40,449	-	396,405	-	404,495	1,355,057
Total PC 15 Liquids	1,225,556	-	-	-	96,590	-	945,004	-	965,000	3,232,151
AWT										
3517-000 - AWT Backwash Pump Replacement (2016)	-	-	-	-	-	-	-	-	(412)	(412)
3518-000 - Chlorine Mixer Replacement (15AWT) (2015)	-	-	-	-	-	-	-	-	(7)	(7)
3519-000 - Hypochlorite Tank (AWT) (2013)	-	-	-	-	-	-	-	-	(0)	(0)
3532-000 - Fire Protection	-	-	-	-	-	-	-	-	(31,230)	(31,230)
3562-000 - Applied Water Pump System Replacement (AWT) (2017)	-	-	-	-	-	-	-	-	63,354	63,354
3596-000 - Applied Water VFD Pump Panel and Electrical (AWT) (2018)	-	-	-	-	-	-	-	-	10,424	10,424
3597-000 - MCC A Replacement Design (15) (2018)	-	-	-	-	-	-	-	-	55,890	55,890
3536-000 - Chlorine Contact Basin Mixer Design (AWT) (2018)	-	-	-	-	-	-	-	-	25,142	25,142
3537-000 - MCC A Replacement Construction (AWT) (2019)	-	-	-	-	-	-	-	-	(27,437)	(27,437)
3538-000 - AWT Filter Valve Upgrade Construction (AWT) (2019)	-	-	-	-	-	-	-	-	(49,797)	(49,797)
Total PC 15 AWT	-	-	-	-	-	-	-	-	45,928	45,928
Total PC 15 Coastal Treatment Plant	1,225,556	-	-	-	96,590	-	945,004	-	1,010,928	3,278,079

South Orange County Wastewater Authority
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Large Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation										
Liquids/AWT										
3701-000 - Secondary Electrical System Rerouting (2014)	-	-	-	-	-	-	(1,912,657)	-	-	(1,912,657)
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	-	-	-	-	-	-	482,939	-	-	482,939
3707-000 - Influent Manholes 1 and 2 and Sewer Rehabilitation (2016)	-	-	-	-	-	-	(121)	-	-	(121)
3708-000 - Influent Junction Structure Gate Replacement (2016)	-	-	-	-	-	-	42	-	-	42
3712-000 - Grit Basin Drop Gate and Weir Replacement (2016)	-	-	-	-	-	-	(4,681)	-	-	(4,681)
3713-000 - Primary Inlet Drop Gate Replacement (2016)	-	-	-	-	-	-	(5)	-	-	(5)
3730-000 - Primary Gallery Upgrade (2014)	-	-	-	-	-	-	101,082	-	-	101,082
3733-000 AWT Backwash Pipe Relocation (2014)	-	-	-	-	-	-	(602)	-	-	(602)
3752-000 - AWT No.2 Upgrade Design (2017)013)	-	-	-	-	-	-	(382)	-	-	(382)
3753-000 Aeration Diffuser Upgrade (2020)	-	-	-	-	-	-	223,315	-	-	223,315
3758-000 AWT No.2 Reconstruction (2020)	-	-	-	-	-	-	352,742	-	-	352,742
3781-000 - Primary Scum Skimmer Replacement (2018)	-	-	-	-	-	-	10,888	-	-	10,888
3784-000 - Replace DAF (Mannich) Polymer System (2018)	-	-	-	-	-	-	712,607	-	-	712,607
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	-	-	-	-	-	-	426,869	-	-	426,869
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	-	-	-	-	-	-	1,354,657	-	-	1,354,657
3787-000 - Aeration Area Upgrade Design (2018)	-	-	-	-	-	-	36,114	-	-	36,114
3741-000 - Southwest Influent Sewer and MH Repair design (2019)	-	-	-	-	-	-	100,278	-	-	100,278
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	-	345,901	-	-	345,901
3743-000 - Aeration Gate Replacement (2019)	-	-	-	-	-	-	187,197	-	-	187,197
3755-000 Southeast Sewer Rehabilitation (2020)	-	-	-	-	-	-	50,000	-	-	50,000
3756-000 Secondary Clarifier Safety Repairs (2020)	-	-	-	-	-	-	17,665	-	-	17,665
3757-000 Miscellaneous Safety Improvements - Liquids (2020)	-	-	-	-	-	-	24,178	-	-	24,178
3759-000 AWT No.2 Electrical Upgrades (2020)	-	-	-	-	-	-	105,364	-	-	105,364
3766-000 AWT Sodium Hypochlorite Tanks Shade (2020)	-	-	-	-	-	-	28,471	-	-	28,471
Total PC 17 Liquids	-	-	-	-	-	-	2,641,862	-	-	2,641,862
Common										
3715-000 - Switchgear Upgrade (2006)	(2,834)	-	-	(4,638)	(149)	-	(35,320)	-	(2,265)	(45,207)
3717-000 - Security Fencing (2015)	86	-	-	7	4	-	(165)	-	68	0
3718-000 - Access Bridge Upgrades (2015)	650	-	-	48	29	-	(1,257)	-	521	(8)
3761-000 - External Lighting Upgrade	22,511	-	-	38,296	1,192	-	293,960	-	17,986	373,946
3763-000 - Reroute Drains on Plant Perimeter (2017)	1,687	-	-	3,073	90	-	23,898	-	1,349	30,096
3764-000 - SCADA Improvements (2017)	754	-	-	2,806	46	-	23,873	-	596	28,075
3769-000 Trailer Drain Line (2020)	(379)	-	-	(619)	(20)	-	(4,717)	-	(303)	(6,038)
3788-000 - PLC Upgrade	(3,255)	-	-	(4,470)	(168)	-	(32,677)	-	(2,603)	(43,173)
3789-000 - Switchgear Upgrade Project Completion (2018)	(920)	-	-	(1,505)	(48)	-	(11,459)	-	(735)	(14,666)
3744-000 - Admin Building Repair design (2019)	854	-	-	1,398	45	-	10,645	-	683	13,625
3745-000 - West Slope Protection Evaluation (2019)	2,261	-	-	3,700	119	-	28,176	-	1,807	36,064
3746-000 - Motor Control Center A, G, H Design (2019)	8,451	-	-	13,828	445	-	105,301	-	6,754	134,778
3747-000 -Southside Plant Manhole Reconstruction (2019)	947	-	-	1,550	50	-	11,805	-	757	15,109
3748-000 - SE electrical Manhole reconstruction (2019)	8,494	-	-	13,900	447	-	105,848	-	6,789	135,478
Total PC 17 Common	39,307	-	-	67,375	2,081	-	517,913	-	31,404	658,080

South Orange County Wastewater Authority
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Large Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	Total
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
Solids										
3722-000 - Co-gen Sys Retrofit (formerly Siloxane) (2015)	36,422	-	-	66,258	1,912	-	190,941	-	29,089	324,623
3723-000 - Recoat Top of Digesters (2016)	0	-	-	(1)	(0)	-	0	-	1	(0)
3724-000 Energy Building Structural and HVAC Modifications (2015)	(1,060)	-	-	(1,928)	(56)	-	(5,556)	-	(846)	(9,445)
3726-000 Co-Generation System Retrofit Design	(374)	-	-	(681)	(20)	-	(1,961)	-	(299)	(3,335)
3770-000 - Additional Budget CoGen Upgrade (2017)	0	-	-	-	-	-	1	-	-	1
3790-000 - Solids Area Upgrade Design (2018)	3,286	-	-	5,979	173	-	17,231	-	2,625	29,294
3791-000 - Cogeneration Area Upgrade Project Completion (2018)	1	-	-	1	-	-	1	-	1	2
3749-000 - Phase I Solids Piping Upgrade (2019)	96,734	-	-	175,964	5,087	-	507,115	-	77,248	862,147
3750-000 - Dewatering room Floor Sealing and Lighting (2019)	11,676	-	-	21,239	614	-	61,210	-	9,324	104,063
3751-000 - Energy Building Roof and Breezeway (2019)	19,036	-	-	34,628	1,001	-	99,797	-	15,201	169,664
3754-000 - SET Piping Reconstruction (2019)	6,115	-	-	11,123	322	-	32,057	-	4,883	54,500
3771-000 - Miscellaneous Safety Improvements - Solids (2020)	8,718	-	-	15,859	459	-	45,704	-	6,962	77,702
3772-000 - Hot Water Piping Reconstruction (2020)	35,139	-	-	63,920	1,848	-	184,211	-	28,061	313,178
3773-000 - Co-Generation System Modifications (2020)	36,194	-	-	65,840	1,904	-	189,746	-	28,904	322,587
Total PC 17 Solids	251,887	-	-	458,201	13,243	-	1,320,497	-	201,153	2,244,981
Total PC 17 Joint Regional Wastewater Reclamation	291,194	-	-	525,576	15,324	-	4,480,272	-	232,558	5,544,923
PC 21 Effluent Transmission Main										
Reach B/C/D										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	162,918	-	162,916	-	-	-	325,833
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	-	-	-	29,632	-	29,632	-	-	-	59,264
Total PC21 Reach B/C/D	-	-	-	192,550	-	192,548	-	-	-	385,097
Reach E										
3104-000 - Aliso Creek Long term Repair Planning (E) (2019)	-	-	-	39,266	-	39,266	-	-	-	78,533
3106-000 - Air Valve Replacement Design and Permitting (E) (2020)	-	-	-	24,146	-	24,146	55,382	-	-	103,674
Total PC21 Reach E	-	-	-	63,412	-	63,412	55,382	-	-	182,207
Total PC 21 Effluent Transmission Main	-	-	-	255,962	-	255,960	55,382	-	-	567,304
PC 24 Aliso Creek Ocean Outfall										
3401-000 - Emergency Plan Development (2016)	89	-	-	131	6	127	353	-	99	806
3407-000 - Internal Seal Replacement (2018)	(47)	-	-	(70)	(3)	(68)	(189)	-	(53)	(431)
3408-000 - Sampling System Repair (2020)	9,282	-	-	13,756	658	13,299	37,005	-	10,389	84,390
3480-000 - Internal Seal Replacement (2020)	13,067	-	-	19,363	927	18,722	52,091	-	14,624	118,793
Total PC 24 Aliso Creek Ocean Outfall	22,390	-	-	33,180	1,588	32,080	89,260	-	25,059	203,558
Total Large Capital Cash	1,539,140	27,992	674,890	814,719	113,502	288,040	6,089,766	441,459	1,908,489	11,897,997

**South Orange County Wastewater Authority
Total Non-Capital Cash Roll Forward Q1 FY 2020-21**

Non-Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham										
Liquids										
4201-000 - Plant 1 Blower Building Condition Assessment (2020)	-	-	2,620	-	-	-	1,965	1,474	2,456	8,515
4202-000 - Pipeline Condition Assessment Methodology Evaluation (2020)	-	-	-	-	-	-	-	-	-	-
4203-000 - Plant Hydraulic Modeling and Flow Management Plan (2020)	-	-	37,632	-	-	-	28,224	21,168	35,280	122,304
Total Liquids	-	-	40,252	-	-	-	30,189	22,642	37,736	130,818
Common										
4001-000 - Plant Drain System Evaluation (2017)	-	-	-	-	-	-	-	-	-	-
4204-000 - Electrical Manhole Condition Assessment (2020)	-	-	10,351	-	-	-	7,614	7,782	8,320	34,068
Total Common	-	-	10,351	-	-	-	7,614	7,782	8,320	34,068
Solids										
4214-000 - Solids Management Plan (2020)	-	-	-	-	-	-	-	-	-	-
Total Solids	-	-	-	-	-	-	-	-	-	-
Total PC2 JB Latham	-	-	50,603	-	-	-	37,803	30,424	46,056	164,886
PC 05 San Juan Creek Ocean Outfall										
4601-000 - Monitoring Evaluation Options (2020)	-	12,586	8,391	-	-	-	11,746	33,564	9,444	75,731
Total PC5 SJCOO	-	12,586	8,391	-	-	-	11,746	33,564	9,444	75,731
PC 15 Coastal Treatment Plant										
Liquids										
4501-000 - Electrical Manhole/Cable Assessment (2020)	-	-	-	-	-	-	-	-	-	-
4502-000 - Building Roof Condition Assessment (2020)	9,777	-	-	-	770	-	7,544	-	7,698	25,789
4504-000 - CTP Floodplain Mapping	-	-	-	-	-	-	-	-	-	-
45211L-000 - Plant Reconfiguration Feasibility Study	21,534	-	-	-	1,696	-	16,617	-	16,957	56,803
Total Liquids	31,311	-	-	-	2,465	-	24,161	-	24,655	82,592
Total PC 15 Coastal Treatment Plant	31,311	-	-	-	2,465	-	24,161	-	24,655	82,592
PC 17 Joint Regional Wastewater Reclamation										
Common										
4703-000 - Lab Reconstruction Evaluation (2020)	4,432	-	-	7,252	233	-	55,222	-	3,542	70,680
4704-000 - Evaluate Plant and Storm Drainage (2020)	-	-	-	-	-	-	-	-	-	-
Total Common	4,432	-	-	7,252	233	-	55,222	-	3,542	70,680
Total PC 17 Joint Regional Wastewater Reclamation	4,432	-	-	7,252	233	-	55,222	-	3,542	70,680
Total Non-Capital Cash	35,743	12,586	58,994	7,252	2,699	-	128,931	63,988	83,697	393,890

**South Orange County Wastewater Authority
Total Non Capital Miscellaneous Cash Roll Forward Q1 FY 2020-21**

		Non-Capital Miscellaneous Cash Balance as of September 30, 2020									
		16	17	18	19	20	21	22	23	24	Total
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 02 J B Latham											
Liquids											
5205-000(a)	PC 2 Asset Register Pilot Project Liquids (2020)	-	-	10,317	-	-	-	7,737	5,803	9,672	33,529
5207-000(l)	Air Handling System Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5208-000	Blower Bldg Imps Engineering Services (2020)	-	-	-	-	-	-	-	-	-	-
Total Liquids		-	-	10,317	-	-	-	7,737	5,803	9,672	33,529
Common											
5203-000	PC 2 Miscellaneous Engineering Common (2020)	-	-	7,348	-	-	-	5,405	5,524	5,906	24,184
5212-000	PC 2 Miscellaneous Engineering Common (2021)	-	-	380	-	-	-	279	286	305	1,250
Total PC 2 Common		-	-	7,728	-	-	-	5,684	5,810	6,211	25,434
Solids											
5204-000(a)	PC 2 Innovative Biosolids Solids (2020)	-	-	7,500	-	-	-	5,405	7,095	5,000	25,000
5206-000	Engine Permitting (2020)	-	-	1,500	-	-	-	1,081	1,419	1,000	5,000
5207-000(s)	Air Handling System Analysis (2020)	-	-	-	-	-	-	-	-	-	-
Total PC 2 Solids		-	-	9,000	-	-	-	6,486	8,514	6,000	30,000
Total PC2 JB Latham		-	-	27,045	-	-	-	19,908	20,127	21,883	88,963
PC 05 San Juan Creek Ocean Outfall											
5615-000	PC 5 Miscellaneous Engineering Outfall (2020)	-	249	166	-	-	-	232	664	187	1,498
Total PC05 SJ Creek Outfall		-	249	166	-	-	-	232	664	187	1,498
PC 15 Coastal Treatment Plant											
Liquids											
5501-000	PC 15 Miscellaneous Engineering Liquids (2020)	1,224	-	-	-	96	-	945	-	964	3,230
5505-000	PC 15 Miscellaneous Engineering Liquids (2021)	332	-	-	-	26	-	256	-	261	875
Total PC 15 Liquids		1,556	-	-	-	122	-	1,201	-	1,225	4,105
Common											
Total PC 15 Common		-	-	-	-	-	-	-	-	-	-
AWT											
5504-000	PC 15 Miscellaneous Engineering AWT (2020)	-	-	-	-	-	-	-	-	-	-
Total PC 15 AWT		-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant		1,556	-	-	-	122	-	1,201	-	1,225	4,105

**South Orange County Wastewater Authority
Total Non Capital Miscellaneous Cash Roll Forward Q1 FY 2020-21**

		Non-Capital Miscellaneous Cash Balance as of September 30, 2020									
		16	17	18	19	20	21	22	23	24	Total
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	
PC 17 Joint Regional Wastewater Reclamation											
Common											
5703-000	PC 17 Miscellaneous Engineering Common (2020)	2,165	-	-	3,543	114	-	26,978	-	1,730	34,529
5708-000	PC 17 Miscellaneous Engineering Common (2021)	63	-	-	103	3	-	781	-	50	1,000
Total PC 17 Common		2,228	-	-	3,646	117	-	27,759	-	1,780	35,529
Solids											
5204-000(b)	PC 17 Innovative Biosolids Solids (2020)	2,805	-	-	5,103	148	-	14,705	-	2,240	25,000
5205-000(b)	PC 17 Asset Register Pilot Project Solids (2020)	5,610	-	-	10,206	295	-	29,412	-	4,480	50,004
5704-000	Engine Permitting (2020)	561	-	-	1,021	30	-	2,941	-	448	5,000
5706-000	Update Cost Escalation Analysis (2020)	-	-	-	-	-	-	-	-	-	-
5707-000	ARC Flash Analysis Update (2020)	-	-	-	-	-	-	-	-	-	-
Total PC 17 Solids		8,976	-	-	16,329	472	-	47,058	-	7,168	80,004
AWT											
Total PC 17 AWT		-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation		11,204	-	-	19,975	589	-	74,817	-	8,949	115,533
PC 21 Effluent Transmission Main											
Reach B/C/D											
5113-000	PC 21 Miscellaneous Engineering B/C/D (2020)	-	-	-	-	-	-	-	-	-	-
5115-000	PC 21 Miscellaneous Engineering B/C/D (2021)	-	-	-	7,813	-	7,812	-	-	-	15,625
Total Reach B/C/D		-	-	-	7,813	-	7,812	-	-	-	15,625
Reach E											
5114-000	PC 21 Miscellaneous Engineering E (2020)	-	-	-	-	-	-	-	-	-	-
Total Reach E		-	-	-	-	-	-	-	-	-	-
Total PC 21 Effluent Transmission Main		-	-	-	7,813	-	7,812	-	-	-	15,625
PC 24 Aliso Creek Ocean Outfall											
5415-000	PC 24 Miscellaneous Engineering Outfall (2020)	220	-	-	326	16	315	877	-	246	2,000
Total PC 24 Aliso Creek Outfall		220	-	-	326	16	315	877	-	246	2,000
Total Non-Capital Miscellaneous Cash		12,981	249	27,211	28,114	727	8,127	97,035	20,791	32,490	227,724

**South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q1 FY 2020-21**

Small Capital Cash Balance as of September 30, 2020											
	16	17	18	19	20	21	22	23	24		
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total	
PC 02 J B Latham											
Liquids											
2220-007	Replacement Check Valves	-	-	(3,268)	-	-	-	(2,451)	(1,838)	(3,064)	(10,620)
2221-001	2 ISCO Samplers (between 3 PC's)	-	-	538	-	-	-	404	303	505	1,750
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	769	-	-	-	577	433	721	2,500
2221-003	Building Lighting Improvements	-	-	1,154	-	-	-	865	649	1,082	3,750
2221-004	Aeration Header Noise Cover	-	-	3,462	-	-	-	2,596	1,947	3,245	11,250
2221-005	4-side RAS Pump Overhaul	-	-	1,076	-	-	-	808	606	1,010	3,500
2221-006	4-side WAS Pump Overhaul	-	-	1,385	-	-	-	1,039	778	1,298	4,500
2221-007	9-side WAS Pump Overhaul	-	-	1,385	-	-	-	1,038	779	1,298	4,500
2221-008	9-side Gas Line Replacement	-	-	2,769	-	-	-	2,077	1,558	2,596	9,000
2221-009	Replacement Liquids Side Bleach Tank	-	-	1,462	-	-	-	1,096	822	1,370	4,750
2221-010	Decant Pump Station Wet Well Lining	-	-	1,846	-	-	-	1,385	1,038	1,731	6,000
2221-011	Replacement 4-Side Grit Tank Stairs	-	-	1,000	-	-	-	750	562	938	3,250
2221-012	Replacement Gate Operator JBL	-	-	538	-	-	-	404	303	505	1,750
2221-013	9-side Replacement Blower Room Basement Fans	-	-	846	-	-	-	635	476	793	2,750
2221-014	4-Side Headworks Roll up Door Replacement	-	-	2,231	-	-	-	1,673	1,255	2,091	7,250
2221-015	Replacement Grit Auger JBL	-	-	6,154	-	-	-	4,615	3,462	5,769	20,000
2221-016	4-Side RSP Overhaul	-	-	(1,049)	-	-	-	(787)	(590)	(984)	(3,408)
2221-017	Fixed Gas Detectors - JBL Liquids	-	-	3,462	-	-	-	2,596	1,947	3,245	11,250
2221-034	Replacement of the 4-Side Grit Chamber Cover's	-	-	(1,790)	-	-	-	(1,342)	(1,007)	(1,678)	(5,816)
	Total Liquids	-	-	23,971	-	-	-	17,978	13,484	22,472	77,905
Common											
2219-041	JBL Wireless Project	-	-	27,346	-	-	-	20,114	20,559	21,981	90,000
2220-020	Two Utility Vehicles	-	-	19,750	-	-	-	14,527	14,848	15,875	65,000
2221-018	Safety Equipment JBL	-	-	1,519	-	-	-	1,117	1,142	1,222	5,000
2221-019	Replacement Gate Operator	-	-	532	-	-	-	391	400	427	1,750
2221-020	Stanley Access Upgrades 2021	-	-	456	-	-	-	335	343	366	1,500
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	-	-	683	-	-	-	503	514	550	2,250
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	-	-	760	-	-	-	559	570	611	2,500
2221-023	JBL PLC Hardware Upgrades and Replacements 20-21	-	-	1,139	-	-	-	838	857	916	3,750
2221-024	JBL HP SCADA Server Switch	-	-	1,139	-	-	-	838	857	916	3,750
2221-025	JBL OIT Replacements 20-21	-	-	760	-	-	-	559	571	610	2,500
2221-031	Seismic bracing installation for server equipment	-	-	760	-	-	-	559	571	610	2,500
2221-032	PA System	-	-	1,367	-	-	-	1,006	1,028	1,099	4,500
	Total PC 2 Common	-	-	56,211	-	-	-	41,346	42,260	45,183	185,000
Solids											
2221-026	Solids Buildings Door Replacement	-	-	1,425	-	-	-	1,027	1,348	950	4,750
2221-027	Foul Air Connection to Centrate Line	-	-	1,125	-	-	-	811	1,064	750	3,750
2221-028	Centrifuge Rebuild JBL	-	-	5,250	-	-	-	3,784	4,966	3,500	17,500
2221-029	Replacement Solids Side Bleach Tank	-	-	1,800	-	-	-	1,297	1,703	1,200	6,000
2221-030	Fixed Gas Detectors - JBL Solids	-	-	3,375	-	-	-	2,432	3,193	2,250	11,250
	Total PC 2 Solids	-	-	12,975	-	-	-	9,351	12,274	8,650	43,250
	Total PC2 JB Latham	-	-	93,157	-	-	-	68,676	68,017	76,305	306,155

**South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q1 FY 2020-21**

Small Capital Cash Balance as of September 30, 2020											
	16	17	18	19	20	21	22	23	24		
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total	
PC 15 Coastal Treatment Plant											
Liquids											
2520-005	Replacment Grit Auger	(41,604)	-	-	-	(3,276)	-	(32,104)	-	(32,759)	(109,743)
2520-012	Aeration Panel Replacement	(5,385)	-	-	-	(424)	-	(4,156)	-	(4,240)	(14,206)
2520-013	Ventilation Fan Replacement	22,747	-	-	-	1,791	-	17,553	-	17,911	60,003
2520-014	Roll-up and Double Door Replacements	13,172	-	-	-	1,037	-	10,164	-	10,372	34,745
2221-001	2 ISCO Samplers (between 3 PC's)	663	-	-	-	52	-	512	-	522	1,749
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	948	-	-	-	75	-	731	-	746	2,500
2521-001	Replacement Nitrate Probe	(1,479)	-	-	-	(116)	-	(1,142)	-	(1,164)	(3,902)
2521-002	Pump/Blower Overhauls	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-003	Replacement Grit Auger CTP	8,056	-	-	-	634	-	6,217	-	6,343	21,250
2521-004	Grit Pump Replacements (2)	6,634	-	-	-	522	-	5,120	-	5,224	17,500
2521-005	WAS Pump Control Rehabilitation	663	-	-	-	52	-	512	-	523	1,750
2521-006	Process Water Tank Cover Replacement	8,530	-	-	-	672	-	6,582	-	6,716	22,500
2521-007	Fixed Gas Detectors CTP	7,203	-	-	-	567	-	5,558	-	5,672	19,000
2521-008	Building Lighting Improvements CTP	4,739	-	-	-	373	-	3,657	-	3,731	12,500
2521-009	DAFT Stair and Walkway Replacement	1,611	-	-	-	127	-	1,243	-	1,269	4,250
	Total PC 15 Liquids	27,920	-	-	-	2,198	-	21,545	-	21,984	73,647
Common											
2520-017	HVAC Replacements	11,374	-	-	-	896	-	8,777	-	8,956	30,003
2520-018	Stanley Security Access Expansion 2019	3,229	-	-	-	254	-	2,492	-	2,543	8,518
2520-019	Landscape renovation	8,900	-	-	-	701	-	6,868	-	7,008	23,476
2520-022	Fixed Gas Detector Equipment	7,583	-	-	-	597	-	5,852	-	5,971	20,003
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	853	-	-	-	67	-	658	-	672	2,250
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	948	-	-	-	75	-	731	-	746	2,500
2521-010	Safety Equipment CTP	2,842	-	-	-	223	-	2,195	-	2,240	7,500
2521-011	Landscape Renovations CTP	3,790	-	-	-	299	-	2,925	-	2,986	10,000
2521-012	Stanley Security Access Expansion 2020 CTP	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-013	Replacement Roll Up Door	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-014	CTP PLC Hardware Upgrades and Replacments 20-21	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-015	CTP HP SCADA Server Switch	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-016	CTP OIT Replacements 20-21	948	-	-	-	75	-	731	-	746	2,500
2521-019	Directional antenna inst for secondary Internet to VZW	1,422	-	-	-	112	-	1,097	-	1,119	3,750
2521-021	CTP Shower Trailer	(12,965)	-	-	-	(1,021)	-	(10,005)	-	(10,209)	(34,200)
	Total PC 15 Common	34,612	-	-	-	2,726	-	26,708	-	27,254	91,300
AWT											
2520-025	AWT Bleach Pump Pad Cover	-	-	-	-	-	-	-	-	10,000	10,000
2520-026	AWT Building Replacement Doors	-	-	-	-	-	-	-	-	(10,233)	(10,233)
2521-017	Building #19 Floor Rehabilitation	-	-	-	-	-	-	-	-	6,250	6,250
2521-018	Replacement Turbidity Meter	-	-	-	-	-	-	-	-	1,750	1,750
	Total PC 15 AWT	-	-	-	-	-	-	-	-	7,767	7,767
	Total PC 15 Coastal Treatment Plant	62,532	-	-	-	4,924	-	48,253	-	57,005	172,714

**South Orange County Wastewater Authority
Small Capital Cash Roll Forward Q1 FY 2020-21**

Small Capital Cash Balance as of September 30, 2020										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation										
Liquids										
2720-006	RAS #6 Pump and Motor Rebuild	-	-	-	-	-	9,252	-	-	9,252
2720-007	RAS #66 Pump and Motor Rebuild	-	-	-	-	-	18,000	-	-	18,000
2720-008	Replacement Recirc Pump	-	-	-	-	-	15,000	-	-	15,000
2720-011	3LP Strainer Replacement Project	-	-	-	-	-	30,000	-	-	30,000
2720-013	Headworks Roll Up Door Replacement	-	-	-	-	-	29,531	-	-	29,531
2221-001	2 ISCO Samplers (between 3 PC's)	-	-	-	-	-	1,750	-	-	1,750
2221-002	Laboratory Equipment and Probe Replacements (between 3 PC's)	-	-	-	-	-	2,500	-	-	2,500
2721-001	Headworks Replacement Doors	-	-	-	-	-	2,500	-	-	2,500
2721-002	Aeration Panel Replacement	-	-	-	-	-	9,000	-	-	9,000
2721-003	Rebuild RAS Pump #55	-	-	-	-	-	4,000	-	-	4,000
2721-004	Rebuild Three (3) Low Pressure Water Pumps	-	-	-	-	-	12,000	-	-	12,000
2721-005	Overhaul Interstage Pump #3	-	-	-	-	-	12,500	-	-	12,500
2721-006	Overhaul two (2) Hoffman Blowers	-	-	-	-	-	3,000	-	-	3,000
2721-007	Replacement Grit Auger	-	-	-	-	-	20,000	-	-	20,000
2721-008	Fixed Gas Detectors - RTP Liquids	-	-	-	-	-	18,750	-	-	18,750
	Total PC 17 Liquids	-	-	-	-	-	187,783	-	-	187,783
Common										
2221-021	Ultrasonic Testing Equipment (between 3 PC's)	141	-	-	231	7	1,758	-	113	2,250
2221-022	Vibration Analysis Testing Equipment (between 3 PC's)	157	-	-	257	8	1,953	-	125	2,500
2721-009	Safety Equipment	471	-	-	768	26	5,859	-	376	7,500
2721-010	Landscape Renovations	564	-	-	923	30	7,032	-	451	9,000
2721-011	Stanley Security Access Expansion 2020	125	-	-	205	7	1,563	-	100	2,000
2721-012	RTP PLC Hardware Upgrades and Replacements 20-21	235	-	-	385	12	2,930	-	188	3,750
2721-013	RTP HP SCADA Server Switch	235	-	-	385	12	2,930	-	188	3,750
2721-014	RTP OIT Replacements 20-21	157	-	-	257	8	1,953	-	125	2,500
	Total PC 17 Common	2,085	-	-	3,411	110	25,978	-	1,666	33,250
Solids										
2720-020	Recirculation Pump	(39)	-	-	(71)	(2)	(206)	-	(31)	(349)
2720-023	Building Lighting Upgrades	1,571	-	-	2,857	83	8,235	-	1,254	14,000
2721-015	Building #40 Replacement Doors	561	-	-	1,020	30	2,941	-	448	5,000
2721-016	Fixed Gas Detectors - RTP Solids	2,104	-	-	3,827	110	11,029	-	1,680	18,750
2721-017	Spare SET Sludge Pump	421	-	-	765	22	2,206	-	336	3,750
2721-018	Centrifuge Rebuild	1,683	-	-	3,062	89	8,823	-	1,344	15,001
	Total PC 17 Solids	6,301	-	-	11,460	332	33,028	-	5,031	56,152
AWT										
2721-019	Overhaul AWT Valve Actuator Systems	-	-	-	-	-	19,250	-	-	19,250
2721-020	Spare Pulsafeeder Pump	-	-	-	-	-	3,000	-	-	3,000
	Total PC 17 AWT	-	-	-	-	-	22,250	-	-	22,250
	Total PC 17 Joint Regional Wastewater Reclamation	8,386	-	-	14,871	442	269,039	-	6,697	299,434
	Total Small Capital Cash	70,917	240	93,157	14,871	5,365	385,968	68,017	140,007	778,303

Agenda Item

6a

Board of Directors Meeting

Meeting Date: November 5, 2020

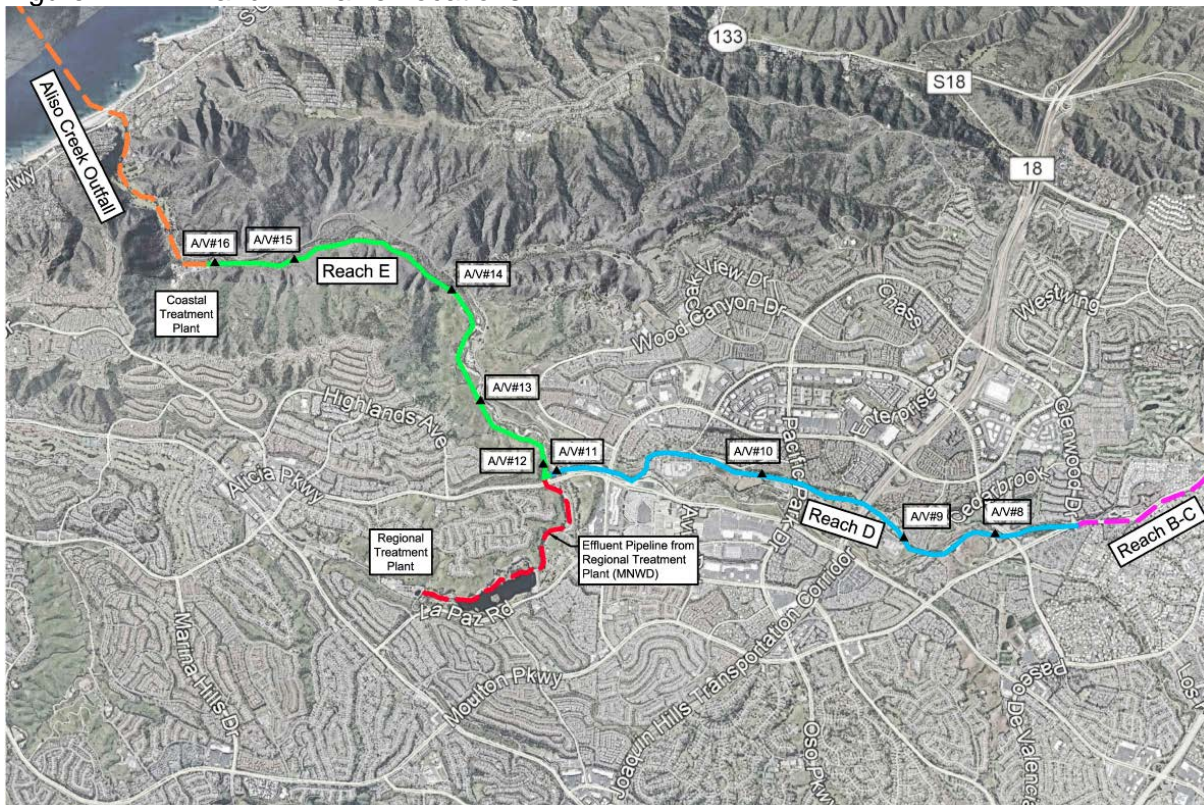
TO: PC 21 Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jason Manning, Director of Engineering
SUBJECT: Aliso Creek Air Valve Replacement Update [Project Committee 21]

Overview

In June 2018, Tetra Tech provided a Technical Memorandum on the Aliso Creek Effluent Transmission Main (ETM) Air Valve condition for Reaches D and E after conducting two field inspections and reviewing the initial design drawings. See Figure 1 below for a map of the lower reaches of the ETM and the air valve locations.

We also have a project slated for later this fiscal year to start the design work on replacing the Techite portion of the ETM, Reaches B and C.

Figure 1 – ETM and Air Valve Locations



Tetra Tech noted that the air valves are consistent with the type and model that was installed in 1979 and although routine annual maintenance is performed on each air valve along with monthly inspections, they appear to be the originally installed air valves.

Each air valve is connected to the ETM with a 4-inch pipe and butterfly valve for isolating each air valve. Only two of the nine butterfly valve cans were located during the Tetra Tech field inspections. It is expected that these butterfly valves are in very poor condition.

Proposals

Based on the 2018 Tetra Tech memo, both Dudek and Tetra Tech were asked to submit a cost to provide a final design and specifications to take to bid for construction.

Both proposals exclude permitting costs as that will need to be determined when the design is near finished. The Engineering Committee concurred in the staff recommendation to proceed with the Tetra Tech proposal based on its familiarity with the work and the in-depth detail of their proposal.

Table 1 – Proposal Summary

Firm	Dudek	Tetra Tech
Project Manager	Mike Metts	Neha Gajjar
Project Engineer	Not Identified	Jaden Miller
Principal	Bob Ohlund	Tom Epperson
Total Labor Hours	263 (6 sheets)	548 (16 sheets)
Total Cost	\$54,110	\$79,800

Cost Allocation

There are four valves on Reach D and five valves on Reach E. The cost for the design has therefore been allocated at 4/9^{ths} for Reach D and 5/9^{ths} for Reach E.

Table 2 – Cost allocation by member agency using the most expensive proposal

	Reach D	Reach E	Total
	3105-000	3106-000	
ETWD	\$17,733.33	\$10,325.23	\$28,058.56
IRWD	\$17,733.34	\$10,325.23	\$28,058.57
MNWD	\$ -	\$23,682.87	\$23,682.87
Total	\$35,466.67	\$44,333.33	\$79,800.00

Table 3 – Available budget

3105-000 (Reach D)	3106-000 (Reach E)	Total
\$64,006	\$103,674	\$167,680

Both projects are already funded, and no additional cash would need to be collected for the design phase of this work.

Recommended Action: The Engineering Committee recommends that the PC-21 Board to approve the award of the Aliso Creek Effluent Transmission Main Design contract to Tetra Tech for \$79,800.

Agenda Item

6b

Board of Directors Meeting

Meeting Date: November 5, 2020

TO: PC-5 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jason Manning, Director of Engineering

SUBJECT: San Juan Creek Ocean Outfall Junction Structure Rehabilitation Project
[Project Committee 5]

Overview

On July 16, 2020, the Project Committee 5 Board awarded the San Juan Creek Ocean Outfall Junction Structure Rehabilitation Constructability Review to Filanc in the amount of \$125,408. In addition to the constructability review Filanc was also to complete the following tasks:

1. Remotely Operated Vehicle (ROV) Inspection of the Junction Structure
2. Cost estimate and repair of some items in the Metering Structure
3. Cost estimate for the Junction Structure Reinforcement (Phase II) Construction

Filanc has completed the first item, the ROV inspection, and has provided their cost estimates for the Junction Structure Rehabilitation.

Their updated estimate for the Phase I Metering Structure repairs falls within their initial contract amount and they will not use any of the previously approved contingency of \$12,500.

The current estimated cost for Filanc Phase II construction is \$916,164. This is a lump-sum price. Black and Veatch is finalizing a review of the costs and a final cost will be given by Filanc. The final cost will be provided at the November 5, 2020 Board Meeting.

Table 1 – Available Remaining Budgets

Project	Phase	Budget
3605-000 Junction Structure Reinforcement Permitting and Final Design	Phase I	\$71,549
3650-000 Junction Structure Reinforcement Construction	Phase II	\$984,643
Total		\$1,056,192

Table 2 – Estimated costs for Construction (Phase II)

Task	Estimated Fee
Construction (Phase II)	\$916,164
Engineering Services During Construction	\$30,000
Construction Management	\$40,000
Biological Monitoring/CDP Compliance	\$50,000
Total	\$1,036,164

NOTE: Costs for Construction Management and Biological Monitoring are placeholder estimates.

Currently, it is estimated that the project will not require approval of an additional funds and will have a budget surplus of approximately \$20,028. This does not include any contingencies.

Table 3 – Cost Breakdown by Agency for Filanc Phase II Costs

Agency	Filanc Phase II Cost
CSC	\$152,266
CSJC	\$101,511
MNWD	\$142,097
SCWD	\$114,246
SMWD	\$406,044
Total	\$916,164

Recommended Action: The Engineering Committee recommends to the PC-5 Board to award the amendment to Filanc contract in the amount of \$916,164 for the Phase II construction work for a total contract amount of \$1,041,572.

Agenda Item

7a

Budgeted: No
FY Budget Addition: \$211,000
Line Item: 12-5015-02
Legal Counsel Review: No
Meeting Date: November 5, 2020

TO: PC 12 Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: PC12 Budget Adjustments

Summary

Developing regulations, COVID-19 delays, and new policies adopted by the State Water Resources Control Board (SWRCB) related to the Master Recycled Water Permit have resulted in a revision request to the PC12 budget above the budgeted amounts in the current FY (2020/2021). The budget adjustment is to provide additional monies related to the Salt and Nutrient Management Plan (SNMP) and HF183 Research efforts. The adjustment is needed for completion of work in this fiscal year.

Salt and Nutrient Management Plan Budget Increase

The previous total cost of the 5 year update to the SNMP for FY 19-20 and FY 20-21 conducted under the 2009 State Water Resources Control Board's (SWRCB) Recycled Water Policy was \$274,519 with a spreading out of cost for the project over two years to minimize the economic impact of the study. The budget was divided into two phases with funding expended for the first phase in the amount of approximately \$50,000 last year. A new budget was established for the current fiscal year in the amount of \$125,000. Of this amount approximately \$90,000 is remaining to be expended; however, this amount is not enough remaining funding to complete the SNMP work now required as explained below. An additional \$156,000 needs to be placed in the budget for this item to allow for the increase in work identified at this time; however, work is ongoing with the Regional Board and an additional \$25,000 contingency is also a part of this staff request for a total budget increase of \$181,000.

The additional budgeted funds will provide the resources needed to accomplish the changes to SOCWA's 2014 submittal of the SNMP to respond to the State Board updates to the 2018 Recycled Policy. SOCWA staff is in ongoing discussions with RWQCB staff as to their needs to consider an updated SNMP. To date, RWQCB staff has indicated the parties can work together toward the update in an expedited manner and frequent conference meetings to that purpose are underway.

The SOCWA goal is to complete the SNMP in this fiscal year in order that the Regional acceptance may support requested revisions to the Basin Plan in the Triennial Review process that is also currently underway in Region IX.

Fiscal impact

FY 2020-2021 Budget Increase for this line item of \$181,000.

HF 183 Research Budget Increase

SOCWA has been funding and implementing a research work plan to investigate the proposed use of the molecular marker HF 183 as a compliance tool for recycled water permitting. San Diego Tentative Investigative Order (R9-20018-0021) and the draft Comprehensive Human Waste Source Reduction Strategy (CHWSRS) Work Plan proposed by the County of Orange both look to the HF 183 marker for its potential to show exceedances of health standards at Rec-1 beneficial use locations potentially due to the use of recycled water.

The SOCWA plan includes three research efforts on behalf of SOCWA’s Project Committee 12 (PC12). The goal of the research is to assess the validity of HF183 for investigating sources of human fecal material and associated regulatory limits. SOCWA and other regional recycled water producing agencies are concerned with regulatory reliance on HF 183 as evidence shows that the HF183 marker does not discriminate between live (viable and viable but nonculturable) and dead cells. Despite these concerns, the SDRWQCB is now including HF 183 evaluation in NPDES permits in Region IX.

The first phase of the SOCWA research plan is to assess the ability to distinguish between live and dead cells. SOCWA expended only \$117,383 of the initial \$145,000 budget (in FY 2019-2020) for the first phase of work; however, due to COVID-19, the work was suspended prior to completion. The principal investigator is now able to resume access to his laboratory and continue the project. However, funding needs to be added to the current FY Budget 2020-2021 for the project to proceed in the amount of \$30,000. It is anticipated that the work will be completed before the close of the current fiscal year.

Fiscal impact

FY 2020-2021 Budget addition for this line item of work is \$30,000.

Summary

The following table provides the additional cost to each agency above the current FY Budget for these PC12 increases:

SOCWA PC12 Member Agency	Cost Based on FY 20-21 Budget Distribution
CSJC	\$8,102.40
MNWD	\$94,063.80
SCWD	\$12,385.70
SMWD	\$89,084.20
TCWD	\$7363.90
	\$211,000.00

Recommended Action: Staff recommends a PC12 budget adjustment of \$211,000 for:

1. \$181,000 for the 2020 SNMP Update, and
2. \$30,000 for the HF183 Research Update

Agenda Item

7b

Budgeted: N/A

Budget amount: N/A

Line Item: All SOCWA PCs

Legal Counsel Review: N/A

Meeting Date: November 5, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Amber Baylor, Director of Environmental Compliance

SUBJECT: Regulatory Initiatives and Science Related Update

Summary

The last several years have been a particularly prolific period for the development of regulatory mandates. There are many areas that SOCWA is tracking to ensure that there is sound science-based evidence to support various mandates being generated from state, regional and local regulatory agencies. SOCWA staff is engaging at the point of regulatory development to encourage requirements be scientifically accepted and attainable. SOCWA staff seeks industry engagement and opportunity for cost effective long-term compliance. At the Board Meeting, Amber Baylor, Director of Environmental Compliance for SOCWA will provide a presentation that will review her work associated with the following developing regulation:

- Salt and Nutrient Management Plan (2018 SWRCB Recycled Water Policy),
- Plume tracking (NPDES Permit renewal),
- HF183 (San Diego Regional Water Quality Control Board Investigative Order),
- PFAS (SWRCB Investigative Order),
- Biological Quality Objectives (San Diego Regional Water Quality Control Board Basin Plan Amendment),
- Laboratory Accreditation Standards (SWRCB Policy for Accreditation standards),
- Wastewater based epidemiology (developing public health metric),
- SOCWA Natural Bacteria project (TMDL Compliance in NPDES permit),
- AB2588 Implementation (CARB Air Toxics Hot Spot program).

Beginning early in calendar year 2021, staff will be working with the Board in preparation of the coming Fiscal Year 2021-2022 Budget to determine the best approach to managing the environmental/regulatory initiatives at the state, regional and local level that may impact SOCWA activities, treatment, reuse and other initiatives into the future.

Recommended Action: Information Item, Questions and Comments.

Agenda Item

7c

Board of Directors Meeting

Meeting Date: November 5, 2020

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

GENERAL

Proposed Calendar Year 2021 Meetings

Attached is a proposed SOCWA meeting schedule for calendar year 2021. Please review and provide any comments or requests to this item at the December Board meeting.

Presentation of Financial Statements Audit – Year End Schedule

SOCWA staff updated the Finance Committee at the October 27, 2020 meeting on the progress of the year-end Financial Statements Audit for FY 2019-2020. The Use Audit draft was presented by staff as well. The Finance Committee will meet again on November 3rd to consider the Use Audit draft and report to the Board at the November 5, 2020 meeting. The staff will be polling the Board to consider adjusting the December meeting schedule to match the progress of the audit. This would move the December board meeting to the 17th and allow for the Finance Committee and the agency finance managers to consider the Audit draft prior to recommendation to the Board.

Large Capital Cash Flow Management

Jason Manning, SOCWA's Director of Engineering, provided the attached PowerPoint update at the October 27, 2020 Finance Committee Meeting and highlighted the development of a Capital Projects Management System approach that will allow staff to keep the Engineering and Finance Committees informed as to the collection and distribution of capital funding provided by the member agencies. The new approach will assist SOCWA across its departments in right sizing the collection of capital funds to match the progress of work. The report indicates SOCWA has improved its expenditure of capital funding over six quarters by spending \$14.5 million for plant improvements.

JPA Revision Project

Greg Moser, Authority General Counsel, will provide an update to the Board at the November 5, 2020 Board meeting on this project.

Presidents Order on Modernizing America's Water Resource Management and Water Infrastructure

The President issued the attached Order on October 13, 2020 directing that various federal offices and agencies act to report, prioritize and streamline support for water industry and infrastructure needs, including wastewater infrastructure, funding and training.

ENVIRONMENTAL COMPLIANCE

SWRCB – Water Quality Fee Increases

The State Water Resources Control Board (SWRCB) indicated in June 2020 that there would not be an increase in fees associated with the permits. However, at the September 15, 2020 SWRCB Board meeting, the Board voted to increase NPDES fees by 9.3% and Waste Discharge Requirement (WDR) permit (Master Recycled Water Permit No. 97-52) by 8.5%. SOCWA had projected an increase of 12.8% in fees for the WDR permit due to the implementation of the recycled water policy and associated Salt and Nutrient Management Plan. SOCWA staff projected a 2.5% increase for San Juan Creek Ocean Outfall and a 7.5% increase in the Aliso Creek Ocean Outfall permit fees due to the implementation of the requirements related to the Industrial General Stormwater permit. Permit fees are paid each November. Staff will continue to monitor overall costs as the fiscal year progresses and report to the Board as needed.

AQMD – Rule 1179.1

On October 2, 2020, South Coast Air Quality Management District (SCAQMD) Governing Board adopted Rule 1179.1. The rule is applicable to boilers, turbines, and engines at publicly owned treatment works (POTWs). SOCWA staff attended five workgroup stakeholder meetings that began in February 2019 and were completed prior to July 7, 2020 when the public draft of the rule was released. Rule 1179.1 is a result of application of POTW equipment to Rule 1146 for industrial processes. SOCWA staff stressed at the beginning of the rule development the need to streamline the rule requirements for small agencies who must track and comply with the various SCAQMD Rules. SOCWA also worked to ensure that the limits set for the boilers at the treatment facilities remain consistent with the permits already in place.

PFAS Update

SOCWA is continuing to work with member agencies on the regional monitoring efforts associated with Investigative Order WQ 2020-0015 DWQ. SOCWA distributed a sampling laboratory and analysis plan for member agencies to review prior to conducting field samples to account for potential field contamination issues. SOCWA also provided questionnaires to the approved accredited contract laboratories to compile the associated costs to comply with the order and aid in the development of the sampling and analysis plan. SOCWA staff sought quotes from five accredited laboratories and received four quotes back. However, only two laboratories are accredited to perform all thirty-one analytes as required by the Investigative Order. SOCWA completed an in person site analysis at the facilities associated with the following member agencies involved in this effort: City of San Clemente (CSC), Santa Margarita Water District (SMWD), Trabuco Canyon Water District (TCWD), Moulton Niguel Water District (MNWD), and Irvine Ranch Water District (IRWD). SOCWA staff also investigated a variety of sampling strategies to reduce contamination related to field collection activities. SOCWA staff plan on completing the first round of sampling November 7, 2020. SOCWA staff also provided presentations to the SCAP Water Committee (October 7, 2020) and at the Clean Water Summit Partners Workshop (October 28, 2020) highlighting the components of the quality assurance and quality control needs for a PFAS sampling program.

OPERATIONS AND MAINTENANCE

WEFTEC 2020 and CWEA's AC20

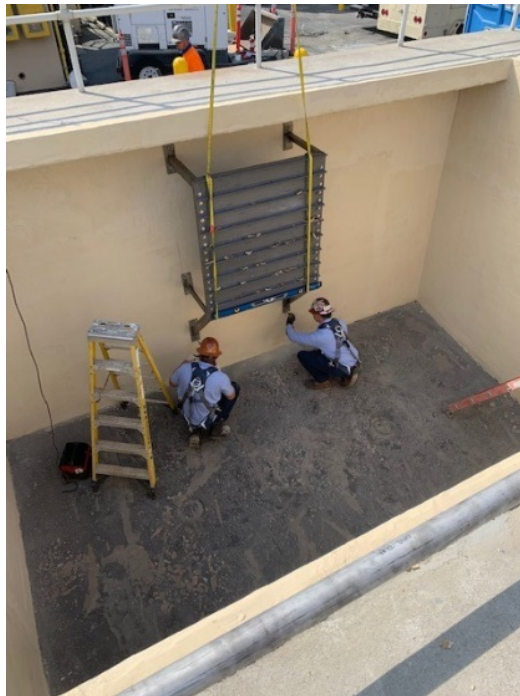
Staff attended the first virtual WEFTEC and CWEA's AC20 conferences. There was a lot of information on PFAS, Biosolids, emerging technologies, and management topics. Although WEFTEC 2020 has concluded, the recorded presentations will be available for one year on their website for conference attendees.

O&M Projects Update

Staff at JBL replaced a frozen cog sprocket and follower bearings on the 4-side barscreen. The barscreen needs to be lifted to ground surface elevation to allow staff to access and repair the items. Staff is pictured below lifting and repairing the 4-side barscreen.



Staff at JBL also fabricated and installed a new baffle wall to replace the old corroded wall. The project was done during the ongoing Plant #2 shutdown. The picture below shows the final steps of the baffle being installed.



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Staff at CTP periodically need to clear the drain line from the foul air odor scrubber at CTP. The drain gets clogged with calcium and sulfur deposits. These deposits are from the chemical reactions that occur to remove hydrogen sulfide from the foul air stream. Staff is pictured below jetting and dissolving deposits in the drain line.

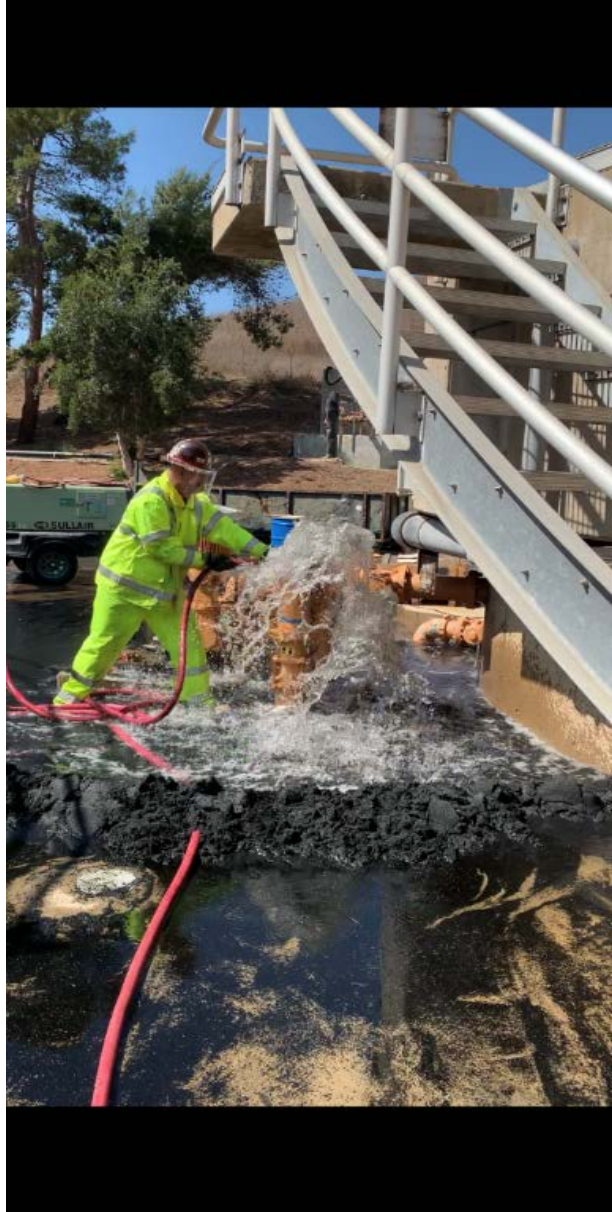


Also, at CTP the O&M staff is leading a project to replace the fresh air fans on the Headworks Building. The existing fans are over 25 years old and severely corroded. The fresh air fans are integral to the foul air management system and necessary to maintain hydrogen sulfides at levels that are safe for employees to work in the building. These fans were one of O&M's small capital projects that were delayed due to COVID19 supply chain impacts. Below are some photos of the fans being prepared and installed.



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Staff at RTP cleared a blockage in one of the DAFT units. The other three DAFT's were in the process of being rehabilitated under a large capital project. O&M staff acted quickly to clear the blockage and return the DAFT to service. The picture below shows the staff flushing the feed line and a pile of sand and debris cleared from blocking the line.



(Update continued)

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O&M staff is in the process of overhauling all the major valves for AWT #2. O&M staff is installing the valves as they arrive. The delivery of the new valves has also been impacted by COVID19 supply chain disruptions. Staff is pictured below, removing a pipe section that sits on top of the valve to be replaced.



South Orange County Wastewater Authority
PROPOSED 2021 Meeting Calendar







January							February							March							April						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
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31																											

May							June							July							August						
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
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30	31																										

September							October							November							December						
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5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
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19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	
							31																				

2021 Conference Dates:

CASA Winter Conference	January 27 – 29, 2021	Hilton Palm Springs
CSMFO Conference	February 16 – 19, 2021	San Jose, CA
AWWA/WEF Utility Mgmt. Conf	February 23 – 26, 2021	Hilton Atlanta, GA
Water Reuse Conference	March 14 – 17, 2021	(Virtual)?
CWEA Annual Conference	April 20 – 23, 2021	Town & Country, San Diego
CASA 2021 Annual Conference	August 11 – 13, 2021	Hilton San Diego, Bayfront
CAJPA Conference	September 14 – 17, 2021	Lake Tahoe Resort
WEFTEC Annual Conference	October 16 – 20, 2021	McCormick Place, Chicago
ACWA Winter Conference	November 30 – December 3, 2021	Pasadena, CA
CRWUA Annual Conference	December 13- 15, 2021	TBD

- | | | | |
|---|--|---|--|
|  | Board Meeting (8:30 a.m.) |  | Board Budget Workshop (8:30 a.m.) |
|  | Finance Committee (10:30 a.m.)
<i>(Monthly meetings as directed on February 20, 2020)</i> |  | Finance Committee (10:30 a.m.)
<i>(Special Budget Review Meetings)</i> |
|  | Executive Committee (9:00 a.m.) |  | Engineering Committee (8:30 a.m.)
<i>(Reg ECM 11/11 rescheduled to 11/18 due to 11/11 is a holiday)</i> |

Regular SOCWA meetings are held virtually via Teams Meetings
34156 Del Obispo Street, Dana Point, California

Red numbered dates
indicate SOCWA holidays and weekends



SOCWA CIP Large Capital Cash Flow Management

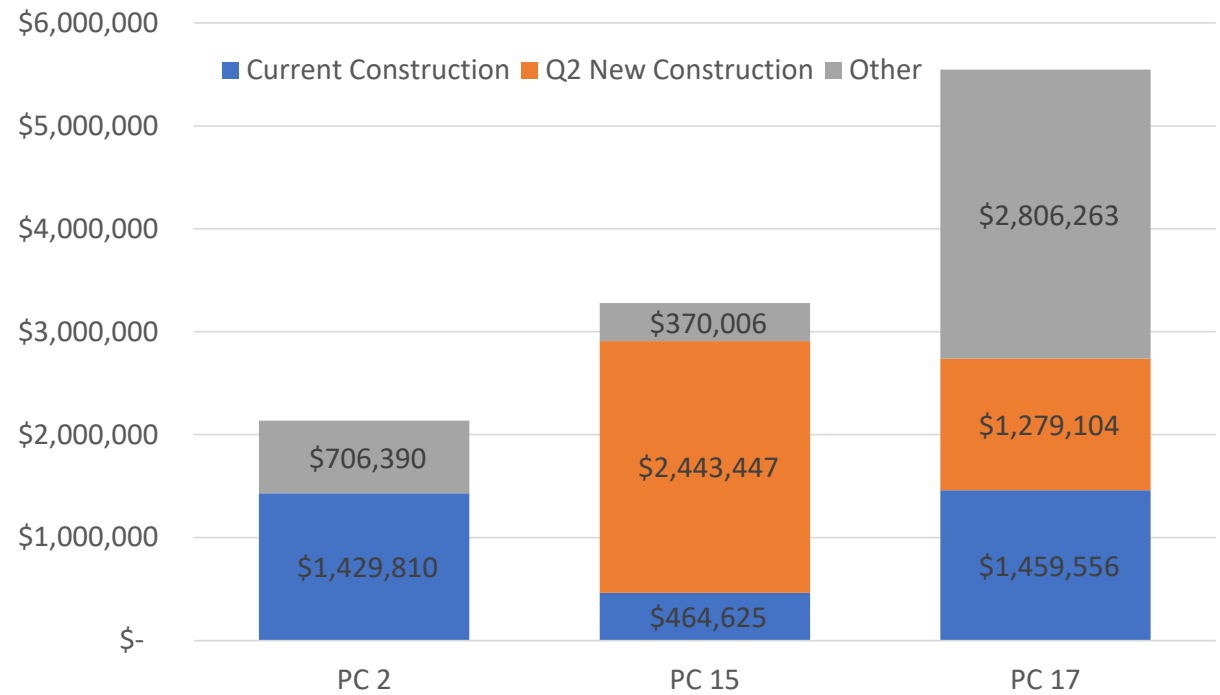
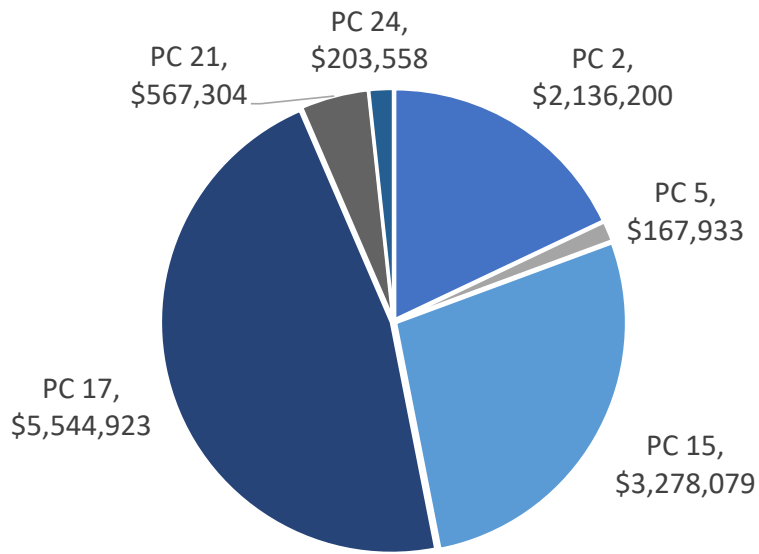
October 27, 2020

Agenda Item 4

FY 2019/2020 and Current Cash on Hand

- FY 2019/2020 Ending Cash on Hand for Large Capital Projects
 - \$15,258,460
- September 30, 2020 Cash on Hand for Large Capital Projects
 - \$ 11,897,997

Current Large CIP Cash on Hand⁽¹⁾ (9/30/2020)



(1) Dollars rounded due to excel

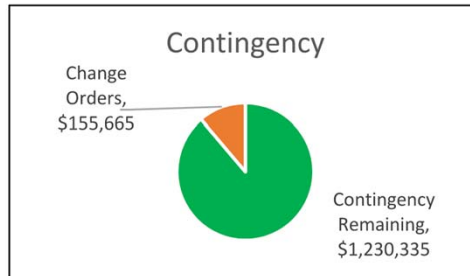
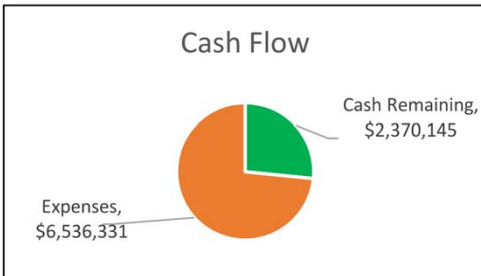
Large Capital History and Current Status

	FY 19/20				FY 20/21		Last 4Q Total
	Q1	Q2	Q3	Q4	Q1	Q2	
Billing to MAs	\$ 6,634,244	\$ 5,220,033	\$ 1,006,046	\$ 1,110,652	\$ 257,695	\$ 2,775,000	\$ 7,594,426
Cash Balance	\$ 20,800,492	\$ 24,036,171	\$ 22,615,784	\$ 15,448,858	\$ 11,897,997		
Refunded to MAs			\$ 2,322,163				\$ 2,322,163
Income (SGIP)				\$ 165,541	\$ 148,623		\$ 314,164
CIP Expenditures	\$ 901,291	\$ 1,984,354	\$ 2,426,432	\$ 6,148,553	\$ 3,976,648		\$ 14,535,987

Current Large CIP Excel Progress Report

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



Cash Flow

Collected	\$8,906,476
Expenses	\$6,536,331

Project Completion

Schedule	51%
Budget	28%

Contracts

Company	PO No.	Original	Change Orders	Total	Paid
Olsson	13497	\$ 17,325,000	\$ 155,665	\$ 17,480,665	\$4,255,989
Butier	13647	\$ 1,055,325	\$ -	\$ 1,055,325	\$584,168
Carollo	13616	\$ 846,528	\$ -	\$ 846,528	\$538,823
TetraTech	13605	\$ 94,000	\$ -	\$ 94,000	\$81,837
		\$ 19,320,853	\$ 155,665	\$ 19,476,518	\$5,460,816

Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3220-000	\$ 616,800	\$ 35,048	\$ 581,752	6.0%
Common	3231-000	\$ 96,800	\$ -	\$ 96,800	0.0%
Solids	3287-000	\$ 672,400	\$ 120,617	\$ 551,783	21.9%
		\$ 1,386,000	\$ 155,665	\$ 1,230,335	12.7%

CPMS - New SharePoint Workflow

Engineering Team - CPMS

Invoice Upload

Invoice Upload

+ New ↑ Upload ↻ Sync ↻ Share More ▾
 Load Invoices
Refresh Data

✓ Name

Drag files here to upload

Bulk Edit

Submit	Name	PO No.	Project Manager	PO No.:Vendor Name	Invoice Date	Invoice T
No	Invoice ... 1	12768	<input type="checkbox"/> Brian Crossley	Tetra Tech	10/2/2020	
No	Invoice ... 3	13497	<input type="checkbox"/> Brian Crossley	Olsson	10/1/2020	

Engineering Team - CPMS

Invoices

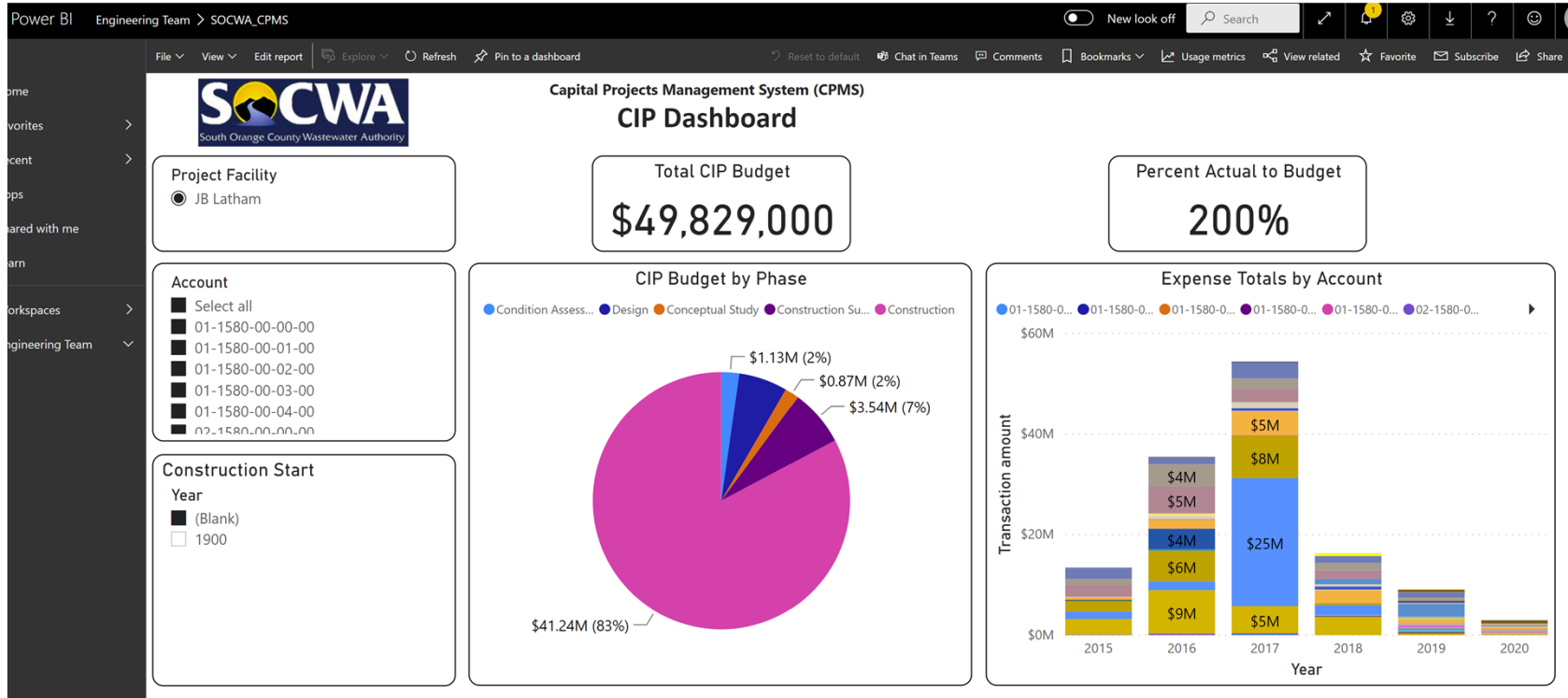
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 Find a file

Invoice Summary Approved Invoices Bulk Edit ...

Invoice Date	Name	PO No.	PO No.:Vendor Name	Invoice Total	Invoice Due Date	Invoice Status	Paid On	Edit
10/2/2020	Invoice 1	12768	Tetra Tech	\$0.00	11/1/2020			
10/2/2020	Invoice 2	13069	Tetra Tech	\$0.00	11/1/2020	Pending Review		
10/1/2020	Invoice 3	13497	Olsson	\$0.00	10/31/2020			

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CPMS - New Power BI Reporting - Sample





EXECUTIVE ORDERS

Executive Order on Modernizing America's Water Resource Management and Water Infrastructure

ENERGY & ENVIRONMENT

Issued on: October 13, 2020



By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Purpose. Abundant, safe, and reliable supplies of water are critical to quality of life for all Americans, fueling our economy, providing food for our citizens and the world, generating energy, protecting public health, supporting rich and diverse wildlife and plant species, and affording recreational opportunities. While America is blessed with abundant natural resources, those resources must be effectively managed, and our water infrastructure must be modernized to meet the needs of current and future generations.

Executive departments and agencies (agencies) that engage in water-related matters, including water storage and supply, water quality and restoration activities, water infrastructure, transportation on our rivers and inland waterways, and water forecasting, must work together where they have joint or overlapping responsibilities. This order will ensure that agencies do that more efficiently and effectively to improve our country's water resource management, modernize our water infrastructure, and prioritize the availability of clean, safe, and reliable water supplies.

Sec. 2. Policy. It is the policy of the United States to:

- (a) Improve coordination among agencies on water resource management and water infrastructure issues;
- (b) Reduce unnecessary duplication across the Federal Government by coordinating and consolidating existing water related task forces, working groups, and other formal cross-agency initiatives, as appropriate;
- (c) Efficiently and effectively manage America's water resources and promote resilience of America's water-related infrastructure;
- (d) Promote integrated planning among agencies for Federal investments in water-related infrastructure; and

(e) Support workforce development and efforts to recruit, train, and retain professionals to operate and maintain America's essential drinking water, wastewater, flood control, hydropower, and delivery and storage facilities.

Sec. 3. Interagency Water Subcabinet. To promote efficient and effective coordination across agencies engaged in water-related matters, and to prioritize actions to modernize and safeguard our water resources and infrastructure, an interagency Water Policy Committee (to be known as the Water Subcabinet) is hereby established. The Water Subcabinet shall be co-chaired by the Secretary of the Interior and the Administrator of the Environmental Protection Agency (Co Chairs), and shall include the Secretary of Agriculture, the Secretary of Commerce, the Secretary of Energy, the Secretary of the Army, and the heads of such other agencies as the Co-Chairs deem appropriate. The Department of the Interior or the Environmental Protection Agency (EPA) shall, to the extent permitted by law and subject to the availability of appropriations, provide administrative support as needed for the Water Subcabinet to implement this order.

Sec. 4. Reducing Inefficiencies and Duplication. Currently, hundreds of Federal water-related task forces, working groups, and other formal cross-agency initiatives (Federal interagency working groups) exist to address water resource management. Within 90 days of the date of this order, the Water Subcabinet shall, to the extent practicable, identify all such Federal interagency working groups and provide recommendations to the Chairman of the Council on Environmental Quality (CEQ), the Director of the Office of Management and Budget (OMB), and the Director of the Office of Science and Technology Policy (OSTP) on coordinating and consolidating these Federal interagency working groups, as appropriate and consistent with applicable law.

Sec. 5. Improving Water Resource Management. Federal agencies engage in a wide range of activities relating to water resource management. Within 120 days of the date of this order, the Water Subcabinet shall submit to the Chairman of CEQ, the Director of OMB, and the Director of OSTP a report that recommends actions to address the issues described below, and for each recommendation identifies a lead agency, other relevant agencies, and agency milestones for fiscal years 2021 through 2025:

(a) Actions to increase water storage, water supply reliability, and drought resiliency, including through:

(i) developing additional storage capacity, including an examination of operational changes and opportunities to update dam water control manuals for existing facilities during routine operations, maintenance, and safety assessments;

(ii) coordinating agency reviews when there are multi-agency permitting and other regulatory requirements;

(iii) increasing engagement with State, local, and tribal partners regarding the ongoing drought along the Colorado River and regarding irrigated agriculture in the Colorado Basin;

(iv) implementing the "Priority Actions Supporting Long-Term Drought Resilience" document issued on July 31, 2019, by the National Drought Resilience Partnership; and

(v) improving coordination among State, local, tribal, and territorial governments and rural communities, including farmers, ranchers, and landowners, to develop voluntary, market based water and land management practices and programs that improve conservation efforts, economic viability, and water supply, sustainability, and security;

(b) Actions to improve water quality, source water protection, and nutrient management; to promote restoration activities; and to examine water quality challenges facing our Nation's minority and low-income communities, including through:

(i) implementing the "Great Lakes Restoration Initiative (GLRI) Action Plan III" issued on October 22, 2019, by the EPA for the GLRI Interagency Task Force and Regional Working Group, established pursuant to the Water Infrastructure Improvements for the Nation Act (Public Law 114-322);

(ii) enhancing coordination among the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force partners to support State implementation of nutrient reduction strategies;

(iii) increasing coordination between agencies and members of the South Florida Ecosystem Restoration Task Force, established pursuant to the Water Resources Development Act of 1996 (Public Law 104 303), and implementing and completing the activities included in the Comprehensive Everglades Restoration Plan, established pursuant to the Water Resources Development Act of 2000 (Public Law 106 541); and

(iv) continuing implementation of the EPA's memorandum entitled "Updating the Environmental Protection Agency's Water Quality Trading Policy to Promote Market-Based Mechanisms for Improving Water Quality" issued on February 6, 2019;

(c) Actions to improve water systems, including for drinking water, desalination, water reuse, wastewater, and flood control, including through:

(i) finalizing and implementing, as appropriate and consistent with applicable law, the proposed rule entitled "National Primary Drinking Water Regulations: Proposed Lead and Copper Rule Revisions," 84 Fed. Reg. 61684 (Nov. 13, 2019);

(ii) implementing the "National Water Reuse Action Plan" issued on February 27, 2020, by the EPA;

(iii) coordinating with the Federal Interagency Floodplain Management Task Force, established pursuant to the National Flood Insurance Act of 1968 (Public Law 90-448), on Federal flood risk management policies and programs to better support community needs; and

(iv) continuing coordination among agencies concerning the Department of Energy's Water Security Grand Challenge to advance transformational technology and innovation to provide safe, secure, and affordable water; and

(d) Actions to improve water data management, research, modeling, and forecasting, including through:

(i) aligning efforts and developing research plans among the Secretary of the Interior, the Secretary of Agriculture, the Administrator of the National Oceanic and Atmospheric Administration, and the Secretary of the Army, through the Assistant Secretary of the Army (Civil Works), to ensure that America remains a global leader for water-related science and technology capabilities;

(ii) implementing common methods of water forecasting, including the use of snow monitoring tools, on a national and basin scale, supported by weather forecasting on all scales;

(iii) developing state-of-the-art geospatial data tools, including maps, through Federal, State, tribal, and territorial partnerships to depict the scope of waters regulated under the Federal Water Pollution Control Act Amendments of 1972 (Public Law 92-500); and

(iv) implementing actions identified in the “Federal Action Plan for Improving Forecasts of Water Availability” issued on October 18, 2019, by the Department of the Interior and the Department of Commerce pursuant to section 3 of the Presidential Memorandum of October 19, 2018 (Promoting the Reliable Supply and Delivery of Water in the West).

Sec. 6. Report. Within 1 year of submitting the report required by section 5 of this order, and annually thereafter, the Water Subcabinet shall update the Chairman of CEQ, the Director of OMB, and the Director of OSTP on the status of the actions identified in the report.

Sec. 7. Integrated Infrastructure Planning. Agencies oversee a number of programs to enhance coordination of cross agency water infrastructure planning and to protect taxpayer investments. Within 150 days of the date of this order, the Water Subcabinet shall identify and recommend actions and priorities to the Director of OMB, the Chairman of CEQ, and the Assistant to the President for Economic Policy to support integrated planning and coordination among agencies to maintain and modernize our Nation’s water infrastructure, including for drinking water, desalination, water reuse, wastewater, irrigation, flood control, transportation on our rivers and inland waterways, and water storage and conveyance. The recommendations shall consider water infrastructure programs that are funded by the Department of Defense through the Army Corps of Engineers, and by the Department of the Interior, the Department of Agriculture, the Department of Energy, the EPA, the Federal Emergency Management Agency, the Economic Development Administration, and other agencies, as appropriate. Such programs include the EPA’s Water Infrastructure Finance and Innovation Act program, established pursuant to the Water Resources Reform and Development Act of 2014 (Public Law 113 121) and amended by the America’s Water Infrastructure Act of 2018 (Public Law 115-270), which modernizes the aging water infrastructure of the United States, improves public health protections, and creates jobs; the Department of Agriculture’s rural development programs, which make and support investments in water infrastructure; and the Department of Agriculture’s Natural Resources Conservation Service programs, which promote source water protection, improve water quality, and assist with developing new water infrastructure projects.

Sec. 8. Water Sector Workforce. Trained water-sector professionals are vital to protecting public health and the environment through strategic planning, operation and maintenance of treatment facilities, and implementation of water management programs. Within 150 days of the date of this order, the Water Subcabinet, in consultation with the Secretary of Labor, the Secretary of Health and Human Services, the Secretary of Education, the Secretary of Veterans

Affairs, and the heads of other agencies, as appropriate, shall identify actions and develop recommendations to improve interagency coordination and provide assistance and technical support to State, local, tribal, and territorial governments in order to enhance the recruitment, training, and retention of water professionals within drinking water, desalination, water reuse, wastewater, flood control, hydropower, and delivery and storage sectors. Such recommendations shall be submitted to the Chairman of CEQ, the Assistant to the President for Domestic Policy, the Assistant to the President for Economic Policy, and the Chairman of the Council of Economic Advisers.

Sec. 9. General Provisions. (a) Nothing in this order shall be construed to impair or otherwise affect:

(i) the authority granted by law to an executive department or agency, or the head thereof; or

(ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

(b) This order shall be implemented in a manner consistent with applicable law and subject to the availability of appropriations.

(c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

DONALD J. TRUMP

THE WHITE HOUSE,
October 13, 2020.