

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:
September 3, 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: 451 881 116

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. REPORT OF THE NOMINATING COMMITTEE FOR SELECTION OF OFFICERS FOR THE BOARD OF DIRECTORS 1

ACTION: The SOCWA Board of Directors to elect/appoint Officers to serve the Authority during FY2020/2021

5. CONSENT CALENDAR

A. Minutes of Board of Directors Meeting2
• Board of Directors Special Meeting June 16, 2020

ACTION: The Board will be requested to approve subject Minutes

B. Minutes of Executive Committee Meeting 4
• Executive Committee Meeting May 12, 2020

ACTION: The Board will be requested to approve subject Minutes

C. Financial Reports for the Month of June 2020 (Year End June 30, 2020) Preliminary .. 7

1. Summary of Disbursements for June 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: Finance Committee recommends to the Board of Directors to ratify the June 2020 disbursements for the period from June 1, 2020, through June 30, 2020, totaling \$4,839,157, and to receive and file the June 2020 Financial Reports as submitted

D. Operational Reports – July 2020 27

1. Monthly Operations Report – July 2020
2. Ocean Outfall Discharges by Agency
3. Beach Ocean Monitoring Report
4. Recycled Water Report

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

E. Capital Improvement Program Status Report 70

ACTION: The Board will be requested to receive the reports as submitted

F. Capital Improvement Program Project Financial Status and Change Orders
[Project Committee 15] 84

ACTION: Staff recommends the PC-15 Board of Directors to approve change order 8 totaling \$4,378 for the PCL contract for PC-15 as shown in the Capital Improvement Program Project Financial Status Report.

G. GENERAL MANAGER’S REPORTS

A. Revised SOCWA Pretreatment Ordinance – Ordinance 2020-1; Revised SOCWA Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements – Diversion Policy 2020-1 Update 95

ACTION: Confirm publishing of notice of open public hearing for Ordinance 2020-1 and Diversion Policy 2020-1 to allow 30 days for public comment, call public hearing

1. MOTION BY BOARD. That the Board of Directors confirms that the Secretary and legal counsel published a Notice of Public Hearing one time in a newspaper of general circulation in the SOCWA service area to run with notice appearing in publication on August 31, 2020, 30 days prior to the public hearing, and that the Notice is posted on SOCWA’s website and the agenda posting location as directed from the August 6, 2020 SOCWA Board Meeting.
2. MOTION BY BOARD. That the Board of Directors calls a public hearing to receive public comments on Ordinance 2020-1 and Diversion Policy 2020-1 for the next regular Board Meeting to be held on October 1, 2020 and consider adopting Ordinance 2020-1 and Diversion Policy 2020-1 at close of hearing.

B. Report on Finance Committee Review of Year End June 30, 2020 Preliminary Financials (Year End Results and Preparation of Use Audit) 97

ACTION: The Finance Committee did not conclude a formal recommendation to the Board and in lieu members of the Committee may provide input at the Board discussion. The SOCWA staff recommendation to the Board is:

- Adopt Board Policy to Avoid 7% Growth in Cost and Address PERS Increases with a pre-pay plan
- Determine to Pre-pay (Advanced Discretionary Payments (ADP) or Other)
- Amend the JPA Agreement to Ensure Pre-Payment Credits
- Adopt method for Distribution of Future Base Adjustments
 - Agencies will be allowed to individually make an ADP of their portion of SOCWA’s UAL using the Board Approved

Methodology; based on actual labor dollars from SOCWA's inception, FY 2002 to date.

- o Paid Agencies will only be responsible for "New Bases" added by CalPERS; their portion of these bases will be determined using the same Board Approved Methodology based on historical labor dollars.
- o UAL is Tier 1; new bases are primarily changes in financial markets performances and actuarial assumptions which impact Tier 1 population.

C. Update on Small Capital Expenditures Year End June 30, 2020 121

ACTION: The Finance Committee recommends that the Board of Directors approve carrying over the small capital funding in the amount of \$565,000 with the Use Audit process for FY2019-2020

D. General Manager's Status Report 122

ACTION: Information and Discussion

H. 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 Regular SOCWA Board Meeting will be held on
October 1, 2020 at 8:30 a.m.**

Agenda Item

4

Board of Directors Meeting

Meeting Date: September 3, 2020

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Report of the Nominating Committee for Selection of Officers for the Board of Directors – Fiscal Year (FY) 2020/2021

Background

The annual election of officers for SOCWA is typically scheduled for the June Board meeting. The Chairman and Vice-Chairman are selected along with the Secretary/Treasurer and an Assistant Secretary of the Board of Directors. The General Manager is typically selected to serve as the Secretary/Treasurer and the Executive Assistant as the Assistant Secretary.

At the May Board Meeting Chairman Feron appointed a Nominating Committee comprised of Director Collings and Director Dunbar to recommend nominees for each position. The table below specifies the Nominating Committee's recommendations for FY2020/21. The Nominating Committee is prepared to offer a recommendation to the Board of Directors for the election/appointment of officers to serve for FY2020/2021.

At the June Board Meeting, Director Collings and Director Dunbar requested additional time evaluate the Nominees, and they would give their recommendations at the Board of Directors Meeting held August 2020. At the August 2020 meeting discussion ensued regarding Directors eligible to serve as Chair and the Board concurred in holding off the matter to the September 2020 Board meeting.

NOMINATING COMMITTEE RECOMMENDATIONS – FY2020/2021

| Officer | Nominee |
|---------------------|-----------------------------------|
| Chairman | To be announced |
| Vice-Chairman | To be announced |
| Secretary/Treasure | Betty Burnett, General Manager |
| Assistant Secretary | Danita Hirsh, Executive Assistant |

Recommended Action: The SOCWA Board of Directors to elect/appoint Officers to serve the Authority during FY2020/2021.

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

DRAFT

Board of Directors

June 16, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held on June 16, 2020, at 3:00 p.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

| | | |
|------------------|--------------------------------|--------------------|
| DAN FERONS | Santa Margarita Water District | Director |
| DENNIS ERDMAN | South Coast Water District | Director |
| DAVID SHISSLER | City of Laguna Beach | Alternate Director |
| KATHRYN FRESHLEY | El Toro Water District | Director |
| MATT COLLINGS | Moulton Niguel Water District | Alternate Director |
| STEPHEN DOPUDJA | Trabuco Canyon Water District | Director |
| DOUG REINHART | Irvine Ranch Water District | Director |
| DAVE REBENS DORF | City of San Clemente | Director |

Absent:

| | | |
|-------------|------------------------------|--------------------|
| RAY MILLER | City of San Juan Capistrano | Alternate Director |
| MIKE DUNBAR | Emerald Bay Service District | Director |

Staff Present:

| | |
|---------------|-----------------|
| BETTY BURNETT | General Manager |
|---------------|-----------------|

Also Present:

| | |
|--------------|---------------------|
| GREG MOSER | Procopio Law Firm |
| BRAD NEUFELD | Varner & Brandt Law |

1. CALL TO ORDER

Chairperson Ferons called the meeting to order at 3:02 p.m.

2. PLEDGE OF ALLEGIANCE - None

3. ORAL COMMUNICATIONS

None

The Board of Directors convened to Closed Session at 3:05 p.m.

4. CLOSED SESSION

A Closed Session conference was held for the following:

- A. A Closed Session Conference with Labor Negotiators, Pursuant to Government Code Section § 54957.6

*SOCWA Designated Representatives: Betty Burnett, General Manager;
Brad Neufeld, Labor Counsel.*

Employee Organization: SOCWA Employee Association

- B. A Closed Session conference with General Counsel Potential Litigation in one matter, Pursuant to Government Code Section § 54956.9

5. RECONVENE TO OPEN SESSION

The Board reconvened to Open Session at 4:08 p.m.

General Counsel Mr. Greg Moser of Procopio reported Pursuant to Government Code Section § 54956.9, approval by a 3/0/1/1 vote was given by the Project Committee 17 Board of Directors to proceed with filing a lawsuit against PAC Hydro and Biospark relating to the Gas Generating Project at the Regional Treatment Plant (PC 17).

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

There was no other reportable action on Agenda Item 4A.

ADJOURNMENT

There being no further business, Director Ferons adjourned the meeting at 4:09 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Closed Session Meeting of the South Orange County Wastewater Authority Board of Directors on June 16, 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
Executive Committee**

DRAFT

May 12, 2020

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Executive Committee Meeting was held on May 12, 2020, at 9:00 a.m. via teleconference. The following members of the Executive Committee were present:

| | |
|-----------------|--------------------------------|
| DAN FERONS | Santa Margarita Water District |
| DENNIS ERDMAN | South Coast Water District |
| MATT COLLINGS | Moulton Niguel Water District |
| STEPHEN DOPUDJA | Trabuco Canyon Water District |

Staff Present:

| | |
|---------------|---------------------|
| BETTY BURNETT | General Manager |
| DANITA HIRSH | Executive Assistant |

Also Present:

| | |
|--------------|---------------------------------|
| BRAD NEUFELD | Varner & Brandt (Labor Counsel) |
|--------------|---------------------------------|

1. Call Meeting to Order

Chairman Ferons called the meeting to order at 9:00 a.m.

2. Public Comments

None.

3. General Manager Ongoing and Future Projects Update

- **JPA Revisions**

Ms. Burnett reported there were continuous discussions with Mr. Greg Moser, legal counsel for SOCWA. She stated Mr. Moser had been in communication with the member agencies legal counsel to gather their input and comments to incorporate into a draft that would be presented to the Managers. She stated Mr. Moser completed the draft revision and would be circulating the document to the member agency counsel for review with a 30-day turnaround for additional comments. She also acknowledged IRWD's request to withdraw as a member of SOCWA. An open discussion ensued.

Ms. Burnett was given direction to pursue polling the Managers for a date to schedule the next Managers Meeting.

- **Capital cash on hand and capital cash return**

Ms. Burnett reported that staff would be bringing an item for Board Approval at the May 14 meeting regarding the return of 2.3 million dollars from Closed Projects. She stated there had been several conversations with the Finance

Managers about returning capital cash that SOCWA would be spending in the next two years, and whether member agencies wanted the funds returned. She also stated most Finance Managers preferred not returning the funds if they would be spent within the 24-month time window. Otherwise, 2.3 million dollars is what would be returned. Additionally, there are three major projects that are under construction; Coastal and Regional projects are on schedule, and the JB Latham project is being closely monitored for any potential delays. An open discussion ensued.

This was an information item; no action was taken.

- **FE NXT (Financial Edge) Upgrade**

Ms. Burnett reported that the FE NXT system has gone live. She noted that there were some challenges with scheduling teleconferences and training due to the Blackbaud team working globally, but stated with the upgraded system completion, SOCWA would be able to get more functional process efficiencies with the financial items. She also noted that staff had completed all of the required online training that the Financial Edge system offered. An open discussion ensued.

This was an information item; no action was taken.

- **Agency review of reports related to same agency**

Ms. Burnett reported that there were not any specific items that needed to be addressed on the agenda. She stated that she had sent out information to South Coast and Moulton Niguel in response to certain inquiries. She stated she welcomed any comments or requests from the Committee at the present time. An open discussion ensued.

This was an information item; no action was required.

- **Capital projects progress**

Ms. Burnett reported that the Coastal and Regional projects are on schedule and are on schedule for closing out the year with \$12.8 million total in capital spending. She stated that the money that is being held will be applied to three major projects at JBL, CTP, and RTP, and staff is working closely with the contractors to assure projects are keeping to the construction schedules. An open discussion ensued.

This was an information item; no action was required.

Adjournment

There being no further business, Chairman Ferons adjourned the meeting at 10:16 a.m.

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I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of Special Meeting of the South Orange County Wastewater Authority Executive Committee of May 12, 2020 and approved and ratified by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item

5c

Board of Directors Meeting

Meeting Date: September 3, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of June 2020 (Year End June 30, 2020)
Preliminary

Summary/Discussion

The following selected financial reports were presented to the Finance Committee on August 25, 2020 for review, discussion and ratification of June's disbursements. The Finance Committee directed staff to move the documents forward for the Board's review and ratification of June's disbursements. These financials are preliminary as all fiscal year end invoicing is not yet processed (expected close August 30, 2020).

The reports included are as follows:

1. Summary of Disbursements for June 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)

The updated final June 30, 2020 will be submitted and reviewed by the Finance Committee with the year end Use Audit in November 2020.

Fiscal impact

June 2020 cash disbursements were: \$4,839,157.

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

Recommended Action: Finance Committee recommends to the Board of Directors to ratify the June 2020 disbursements for the period from June 1, 2020, through June 30, 2020, totaling \$4,839,157, and to receive and file the June 2020 Financial Reports as submitted.

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

| | Actual¹ |
|---|---------------------------|
| General Fund | \$ (469,594) |
| PC 2 - Jay B. Latham Plant | (1,930,778) |
| PC 3 - SOCWA Plant/PCA AWT | - |
| PC 5 - San Juan Creek Ocean Outfall | (55,805) |
| PC 8 - Pretreatment Program | (9,333) |
| PC 12 SO - Water Reclamation Permits | (22,647) |
| PC 15 - Coastal Treatment Plant/AWT | (812,545) |
| PC 17 - Joint Regional Wastewater Reclamation | (1,516,158) |
| PC 21 - Effluent Transmission Main | (167) |
| PC 24 - Aliso Creek Ocean Outfall | (22,130) |
| Total | \$ (4,839,157) |

¹Large Cash Disbursements to Top-Ten Vendors, primarily construction companies of \$3,133,201

| | | |
|-----------------------|-----------|------------------|
| Olsson Construction | \$ | 953,800 |
| Filanc | | 618,412 |
| PCL Construction | | 430,759 |
| CalPERS | | 198,458 |
| Butier Engineering | | 176,925 |
| Carollo Engineers | | 175,799 |
| Flo-Systems Inc. | | 198,458 |
| Hazen and Sawyer | | 144,185 |
| Performance Pipeline | | 121,735 |
| South Kern Industrial | | 114,670 |
| | \$ | 3,133,201 |

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

| | | |
|------------------------------------|-----------|--------------------------|
| CASH IN BANK: (BEGINNING BAL.) | \$ | 2,074,859 |
| L.A.I.F. FUNDS: (BEGINNING BAL.) | | 25,116,391 |
| DEPOSITS, TRANSFERS & ADJUSTMENTS: | | 77,588 |
| FUND REQUIREMENTS: | | |
| BILLS FOR CONSIDERATION | | <u>(4,839,157)</u> |
| TOTAL CASH IN BANK | \$ | <u>22,429,680</u> |

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 07/23/20



PMIA Average Monthly Effective Yields⁽¹⁾

| | |
|-----|-------|
| Jun | 1.217 |
| May | 1.363 |
| Apr | 1.648 |

Quarterly Performance Quarter Ended 06/30/20

| | |
|--|-------------------|
| LAIF Apportionment Rate ⁽²⁾ : | 1.36 |
| LAIF Earnings Ratio ⁽²⁾ : | 0.000037106682614 |
| LAIF Fair Value Factor ⁽¹⁾ : | 1.004912795 |
| PMIA Daily ⁽¹⁾ : | 1.08% |
| PMIA Quarter to Date ⁽¹⁾ : | 1.41% |
| PMIA Average Life ⁽¹⁾ : | 191 |

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 06/30/20 \$101.0 billion

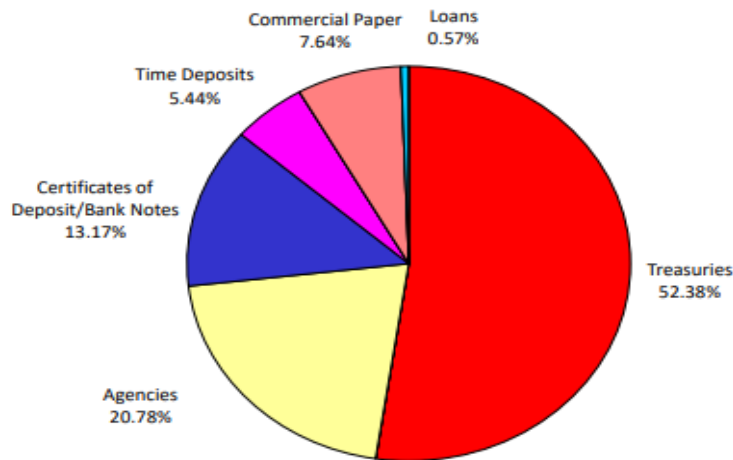


Chart does not include 0.02% of mortgages. Percentages may not total 100% due to rounding.

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 June 30, 2020**

| | | |
|-----------------------------------|----------------------|-----|
| MVA | \$ 4,894 | (A) |
| A/P Checking | 2,156,910 | (B) |
| Payroll Checking | 227,485 | (C) |
| State LAIF | 20,040,391 | (D) |
| Total Cash in Bank | \$ 22,429,680 | |
| | | |
| Petty Cash | 1,600 | (E) |
| Total Operating Cash | \$ 22,431,280 | |
| | | |
| OPEB Trust | 5,270,639 | (F) |
| | | |
| Total Cash and Investments | \$ 27,701,919 | |

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) LAIF balance.
- (E) Cash on hand with GM's office and held by Chief Operators at each Treatment facility.
- (F) OPEB Trust Fund; these funds can only be used for Retiree Health Benefits.

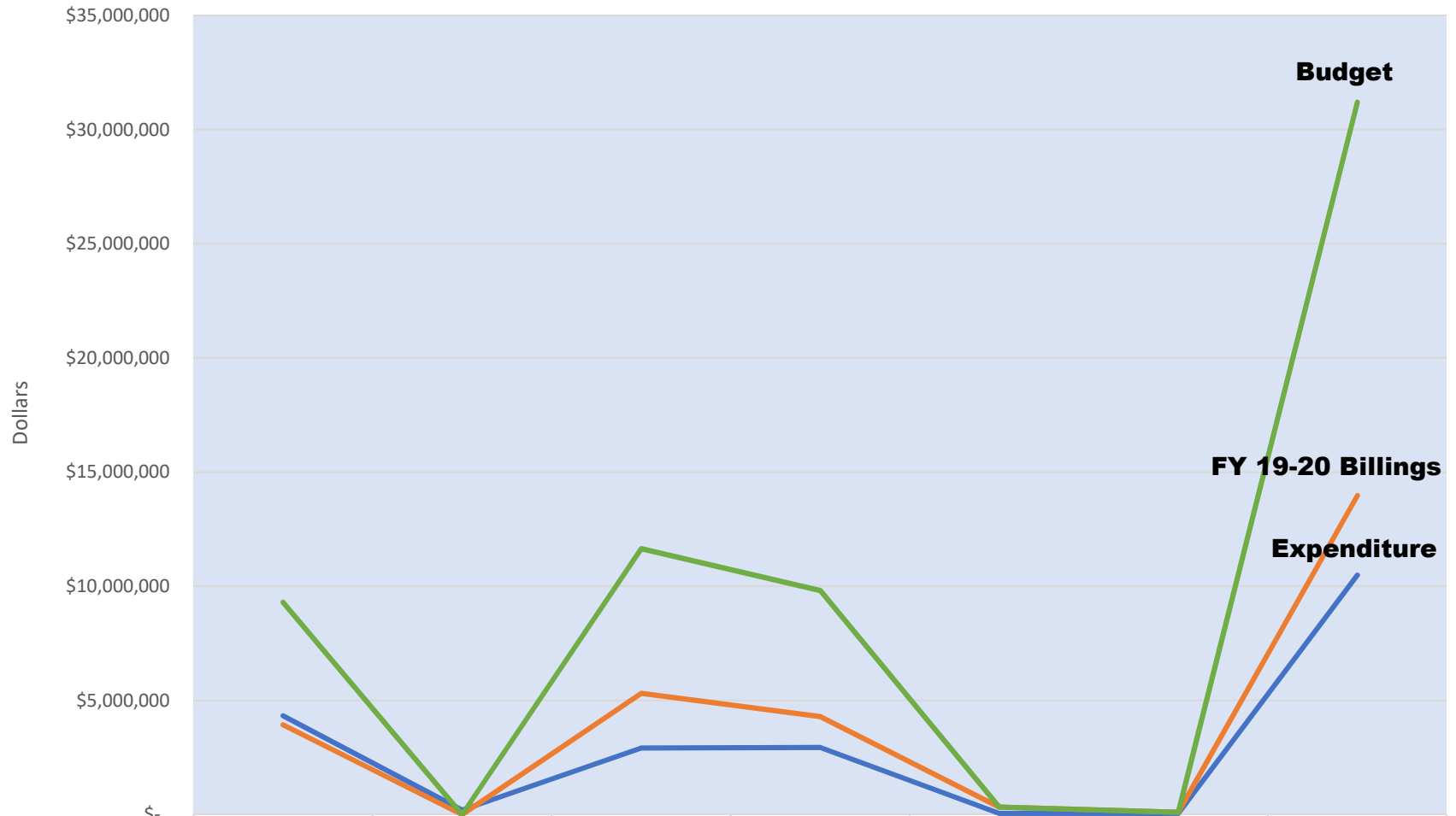
**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended June 30, 2020
(in dollars)**

| FY 2019-20 Budget vs. Actual Spending | | | | | | | | |
|--|-----------------------|-----------------------------|-----------------------------|-------------------|-----------------------------|----------------------------------|----------------------------|------------------------------|
| <u>Description</u> | Capital Budget | Fiscal Year Spending | (Over)/ Under Budget | % Expended | Member Agency Billed | Member Agency Collections | Current Receivables | % Expended vs. Billed |
| PC 2-JB Latham | \$ 9,301,575 | \$ 4,329,122 | \$ 4,972,453 | 46.5% | \$ 3,929,601 | \$ 3,929,601 | \$ - | 110.2% |
| * PC 5-San Juan Creek Outfall | - | 198,169 | (198,169) | | - | - | | |
| PC 15-Coastal | 11,644,171 | 2,917,968 | 8,726,203 | 25.1% | 5,313,254 | 5,313,254 | | 54.9% |
| PC 17-Regional | 9,817,108 | 2,935,507 | 6,881,602 | 29.9% | 4,292,199 | 4,292,199 | | 68.4% |
| PC 21 Effluent Transmission | 329,666 | 53,716 | 275,950 | 16.3% | 329,668 | 329,668 | | 16.3% |
| PC 24 Aliso Creek Outfall | 106,253 | 52,779 | 53,474 | 49.7% | 106,253 | 106,253 | | 49.7% |
| Total Large Capital | \$ 31,198,772 | \$ 10,487,260 | \$ 20,711,512 | 33.6% | \$ 13,970,975 | \$ 13,970,975 | \$ - | 75.1% |
| Non-Capital Engineering | 838,687 | 158,203 | 680,484 | 18.9% | 838,688 | 838,688 | | 18.9% |
| Non-Capital Misc Engineering | 425,000 | 69,563 | 355,437 | 16.4% | 425,008 | 425,008 | | 16.4% |
| Small Internal Capital | 2,047,504 | 1,482,210 | 565,294 | 72.4% | 2,047,504 | 2,047,504 | | 72.4% |
| Total Capital | \$ 34,509,964 | \$ 12,197,236 | \$ 22,312,727 | 35.3% | \$ 17,282,175 | \$ 17,282,175 | \$ - | 70.6% |

* PC 5 does not have a budget for FY 19-20 due to Cash on Hand for work that shifted into the current year.

Large Capital Projects Fiscal Year '19-20 Budget vs. Year-to-Date Expenditures & Billings as of 06/30/2020

**Exhibit D-1
Preliminary**



| | PC 2-JB Latham | PC 5-San Juan Creek Outfall | PC 15-Coastal | PC 17-Regional | PC 21 Effluent Transmission | PC 24 Aliso Creek Outfall | Total Large Capital |
|----------------------|----------------|-----------------------------|---------------|----------------|-----------------------------|---------------------------|---------------------|
| Spent - YTD 6/30/20 | \$4,329,122 | \$198,169 | \$2,917,968 | \$2,935,507 | \$53,716 | \$52,779 | \$10,487,260 |
| FY 19-20 Billings | \$3,929,601 | - | \$5,313,254 | \$4,292,199 | \$329,668 | \$106,253 | \$13,970,975 |
| Capital Budget 19-20 | \$9,301,575 | - | \$11,644,171 | \$9,817,108 | \$329,666 | \$106,253 | \$31,198,772 |

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

| | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|--------------------------|---|------------------------------|-----------------|-------------------|---------------------|----------------------|
| Salary and Fringe | | | | | | |
| **5000-**** | Regular Salaries-O&M | 4,620,132 | 45,754 | 4,665,886 | 4,384,614 | 281,272 94.0% |
| **5001-**** | Overtime Salaries-O&M | 109,504 | 5,000 | 114,504 | 99,451 | 15,053 86.9% (1) |
| **5306-**** | Scheduled Holiday Work | 28,692 | | 28,692 | 37,133 | (8,441) 129.4% (1) |
| **5315-**** | Comp Time - O&M | 7,796 | | 7,796 | 24,956 | (17,160) 320.1% (1) |
| **5401-**** | Fringe Benefits IN to PC's & Depts. | 3,323,840 | 15,246 | 3,339,086 | 3,253,249 | 85,838 97.4% |
| **5700-**** | Standby Pay | 67,600 | | 67,600 | 68,268 | (668) 101.0% |
| | Total Payroll Costs | 8,157,564 | 66,000 | 8,223,564 | 7,867,671 | 355,893 95.7% |
| Other Expenses | | | | | | |
| **5002-**** | Electricity | 1,022,564 | 111,000 | 1,133,564 | 1,240,334 | (106,770) 109.4% (2) |
| **5003-**** | Natural Gas | 266,504 | | 266,504 | 244,816 | 21,688 91.9% |
| **5004-**** | Potable & Reclaimed Water | 84,992 | | 84,992 | 84,108 | 884 99.0% |
| **5005-**** | Co-generation Power Credit | (325,004) | | (325,004) | (486,734) | 161,730 149.8% (3) |
| **5006-**** | Chlorine/Sodium Hypochlorite | 506,000 | | 506,000 | 443,105 | 62,895 87.6% |
| **5007-**** | Polymer Products | 805,004 | | 805,004 | 506,388 | 298,616 62.9% |
| **5008-**** | Ferric Chloride | 304,992 | 10,000 | 314,992 | 488,505 | (173,513) 155.1% (4) |
| **5009-**** | Odor Control Chemicals | 130,000 | | 130,000 | 100,042 | 29,958 77.0% |
| **5010-**** | Other Chemicals - Misc. | 2,996 | | 2,996 | - | 2,996 0.0% |
| **5011-**** | Laboratory Services | 44,412 | 11,500 | 55,912 | 36,599 | 19,313 65.5% |
| **5012-**** | Grit Hauling | 128,252 | | 128,252 | 138,647 | (10,395) 108.1% (5) |
| **5013-**** | Landscaping | 159,996 | | 159,996 | 169,111 | (9,115) 105.7% (6) |
| **5014-**** | Engineering - Misc. | 1,000 | | 1,000 | 848 | 152 84.8% |
| **5015-**** | Management Support Services | 360,212 | 76,500 | 436,712 | 290,556 | 146,156 66.5% |
| **5016-**** | Audit - Environmental | 600 | | 600 | - | 600 0.0% |
| **5017-**** | Legal Fees | 28,352 | 2,000 | 30,352 | 58,071 | (27,719) 191.3% (7) |
| **5018-**** | Public Notices/ Public Relations | 5,004 | | 5,004 | 277 | 4,727 5.5% |
| **5019-**** | Contract Services Misc. | 199,996 | 60,000 | 259,996 | 277,258 | (17,262) 106.6% (8) |
| **5021-**** | Small Vehicle Expense | 24,064 | | 24,064 | 17,686 | 6,378 73.5% |
| **5022-**** | Miscellaneous Expense | 18,004 | 9,895 | 27,899 | 15,597 | 12,301 55.9% |
| **5023-**** | Office Supplies - All | 43,004 | | 43,004 | 39,609 | 3,395 92.1% |
| **5024-**** | Petroleum Products | 49,004 | | 49,004 | 45,809 | 3,195 93.5% |
| **5025-**** | Uniforms | 54,004 | | 54,004 | 66,018 | (12,014) 122.2% (9) |
| **5026-**** | Small Vehicle Fuel | 31,500 | | 31,500 | 16,921 | 14,579 53.7% |
| **5027-**** | Insurance - Property/Liability | 210,096 | 55,929 | 266,025 | 261,406 | 4,619 98.3% |
| **5028-**** | Small Tools & Supplies | 74,872 | | 74,872 | 65,691 | 9,181 87.7% |
| **5030-**** | Trash Disposal | 6,992 | | 6,992 | 7,514 | (522) 107.5% |
| **5031-**** | Safety Program & Supplies | 117,356 | | 117,356 | 134,209 | (16,853) 114.4% (10) |
| **5032-**** | Equipment Rental | 7,004 | | 7,004 | 7,456 | (452) 106.5% |
| **5033-**** | Recruitment | 3,004 | | 3,004 | 2,936 | 68 97.7% |
| **5034-**** | Travel Expense/Tech. Conferences | 61,932 | | 61,932 | 39,624 | 22,308 64.0% |
| **5035-**** | Training Expense | 55,168 | | 55,168 | 44,198 | 10,970 80.1% |
| **5036-**** | Laboratory Supplies | 93,256 | | 93,256 | 95,283 | (2,027) 102.2% |
| **5037-**** | Office Equipment | 25,000 | | 25,000 | 31,992 | (6,992) 128.0% (11) |
| **5038-**** | Permits | 500,128 | 27,000 | 527,128 | 496,135 | 30,994 94.1% |
| **5039-**** | Membership Dues/Fees | 22,892 | | 22,892 | 28,821 | (5,929) 125.9% (12) |
| **5044-**** | Offshore Monitoring | 36,000 | 6,000 | 42,000 | 53,042 | (11,042) 126.3% (13) |
| **5046-**** | Effluent Chemistry | 28,004 | | 28,004 | 27,530 | 474 98.3% |
| **5047-**** | Access Road Expenses | 49,000 | | 49,000 | 34,686 | 14,314 70.8% |
| **5048-**** | Storm Damage | 20,008 | | 20,008 | 549 | 19,459 2.7% |
| **5049-**** | Biosolids Disposal | 1,355,004 | 45,000 | 1,400,004 | 1,466,713 | (66,709) 104.8% (14) |
| **5050-**** | Contract Services Generators - 29A | 22,008 | | 22,008 | 18,724 | 3,284 85.1% |
| **5052-**** | Janitorial Services | 102,008 | | 102,008 | 100,490 | 1,518 98.5% |
| **5053-**** | Contract Serv - Digester Cleaning - 29E | 59,996 | | 59,996 | 10,226 | 49,770 17.0% |
| **5054-**** | Diesel Truck Maint | 41,000 | | 41,000 | 48,718 | (7,718) 118.8% (15) |
| **5055-**** | Diesel Truck Fuel - 37B | 14,996 | | 14,996 | 7,916 | 7,080 52.8% |
| **5056-**** | Maintenance Equip. & Facilities (Solids) | 356,004 | | 356,004 | 337,980 | 18,024 94.9% |
| **5057-**** | Maintenance Equip. & Facilities (Liquids) | 663,000 | | 663,000 | 593,093 | 69,907 89.5% |
| **5058-**** | Maintenance Equip. & Facilities (Common) | 87,008 | | 87,008 | 78,573 | 8,435 90.3% |
| **5059-**** | Maintenance Equip. & Facilities (Co-Gen) | 957,996 | | 957,996 | 979,433 | (21,437) 102.2% (16) |
| **5060-**** | Maintenance Equip. & Facilities (AWT) | 74,000 | | 74,000 | 87,994 | (13,994) 118.9% (17) |
| **5061-**** | Mileage | 2,508 | | 2,508 | 2,349 | 159 93.7% |
| **5068-**** | MNWD Potable Water Supplies & Svcs. | 24,972 | | 24,972 | 23,757 | 1,215 95.1% |
| **5069-**** | Misc-Capital-Dilution & Metering Study | 60,004 | | 60,004 | 28,350 | 31,654 47.2% |
| **5074-**** | Education Reimbursement | - | | - | 1,325 | (1,325) 0.0% |
| **5076-**** | SCADA Infrastructure | 20,992 | | 20,992 | 698 | 20,294 3.3% |
| **5077-**** | IT Direct | 16,080 | | 16,080 | 12,771 | 3,309 79.4% |
| **5105-**** | Co-Generation Power Credit - Offset | 325,000 | | 325,000 | 486,734 | (161,734) 149.8% (3) |
| **5303-**** | Group Insurance Waiver | 14,396 | | 14,396 | 14,542 | (146) 101.0% |
| **5305-**** | Medicare Tax Payments for Employees | 2,784 | | 2,784 | 3,456 | (672) 124.1% |
| **5309-**** | Operating Leases | 21,800 | | 21,800 | 23,343 | (1,543) 107.1% |
| **5705-**** | Monthly Car Allowance | 28,184 | | 28,184 | 31,678 | (3,494) 112.4% |
| **5706-**** | Effluent Pond Cleaning | 90,000 | | 90,000 | - | 90,000 0.0% |
| **6500-**** | IT Allocations in to PC's & Depts. | 592,694 | 42,749 | 635,443 | 627,283 | 8,161 98.7% |
| | Total Other Expenses | 10,188,598 | 457,573 | 10,646,171 | 10,110,787 | 535,384 95.0% |
| | Total O&M Expenses | 18,346,162 | 523,573 | 18,869,735 | 17,978,459 | 891,276 95.3% |

* 06/20/2019 Board approved (one year) payment of PEPPA employee's contribution rate increase (\$9,895)
 11/07/2019 Board Approved Pooled Liability Retro Adjustment (\$55,929), FE NXT upgrade (\$56,293, 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 Summary
For the Period Ended June 30, 2020
(in dollars)

- (1) Staff is utilizing Comp Time more than Overtime Salaries 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 unanticipated standby demand charges to shutdown the engine to allow the engine's manufacture's representative to correct faulty equipment.
- (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 Staff 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 new engine at RTP.
- (7) The Stanley access control, and associated communication system, was expanded. The increased costs will also be reflected in the FY 2020-21 Budget.
- (8) O&M had higher uniform costs due to a higher than anticipated number of new hires and restocking 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 unanticipated additional toxicity testing for compliance purposes.
- (13) 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.
- (14) The sludge hauling truck emissions control system required extensive repairs. During these repairs, a rented truck service was used for several Biosolids hauling trips.
- (15) The RTP gas skid required 2 additional media swap outs over what was anticipated.
- (16) O&M staff completed the annual overhaul of the AWT to prepare for summer. The project included a complete shutdown, equipment inspection, and performing needed repairs. The repairs were more extensive than anticipated based on past annual events.
- (17)

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|---------------------------------|---|------------------------------|---|----------------------------|------------------|--------------------------------|------------------|
| 02 - Jay B. Latham Plant | | | | | | | |
| Salary and Fringe | | | | | | | |
| 02-5000-**-** | Regular Salaries-O&M | 1,539,152 | 13,754 | 1,552,906 | 1,590,035 | (37,129) | 102.4% (1) |
| 02-5001-**-** | Overtime Salaries-O&M | 35,144 | | 35,144 | 43,304 | (8,160) | 123.2% (1) |
| 02-5306-**-** | Scheduled Holiday Work | 13,324 | | 13,324 | 15,594 | (2,270) | 117.0% (1) |
| 02-5315-**-** | Comp Time - O&M | 3,508 | | 3,508 | 14,732 | (11,224) | 420.0% (1) |
| 02-5401-**-** | Fringe Benefits IN to PC's & Depts. | 1,107,296 | 10,246 | 1,117,542 | 1,179,757 | (62,215) | 105.6% (2) |
| 02-5700-**-** | Standby Pay | 13,520 | | 13,520 | 25,745 | (12,225) | 190.4% (3) |
| | Total Payroll Costs | 2,711,944 | 24,000 | 2,735,944 | 2,869,167 | (133,223) | 104.9% |
| Other Expenses | | | | | | | |
| 02-5002-**-** | Electricity | 399,688 | 111,000 | 510,688 | 571,023 | (60,335) | 111.8% (4) |
| 02-5003-**-** | Natural Gas | 168,004 | | 168,004 | 101,819 | 66,185 | 60.6% |
| 02-5004-**-** | Potable & Reclaimed Water | 24,000 | | 24,000 | 24,557 | (557) | 102.3% |
| 02-5006-**-** | Chlorine/Sodium Hypochlorite | 5,000 | | 5,000 | 5,511 | (511) | 110.2% (5) |
| 02-5007-**-** | Polymer Products | 322,000 | | 322,000 | 167,784 | 154,216 | 52.1% |
| 02-5008-**-** | Ferric Chloride | 103,736 | 10,000 | 113,736 | 164,084 | (50,348) | 144.3% (6) |
| 02-5009-**-** | Odor Control Chemicals | 28,988 | | 28,988 | 18,719 | 10,269 | 64.6% |
| 02-5010-**-** | Other Chemicals - Misc. | 1,000 | | 1,000 | - | 1,000 | 0.0% |
| 02-5011-**-** | Laboratory Services | 10,916 | | 10,916 | 6,225 | 4,691 | 57.0% |
| 02-5012-**-** | Grit Hauling | 51,252 | | 51,252 | 59,735 | (8,483) | 116.6% (7) |
| 02-5013-**-** | Landscaping | 41,780 | | 41,780 | 51,084 | (9,304) | 122.3% (8) |
| 02-5015-**-** | Management Support Services | 33,004 | | 33,004 | 42,457 | (9,453) | 128.6% |
| 02-5017-**-** | Legal Fees | 3,328 | | 3,328 | 2,488 | 840 | 74.8% |
| 02-5019-**-** | Contract Services Misc. | 60,240 | | 60,240 | 72,225 | (11,985) | 119.9% (9) |
| 02-5021-**-** | Small Vehicle Expense | 10,004 | | 10,004 | 6,278 | 3,726 | 62.8% |
| 02-5022-**-** | Miscellaneous Expense | 8,000 | 5,045 | 13,045 | 8,733 | 4,312 | 66.9% |
| 02-5023-**-** | Office Supplies - All | 28,000 | | 28,000 | 20,331 | 7,669 | 72.6% |
| 02-5024-**-** | Petroleum Products | 14,124 | | 14,124 | 8,990 | 5,134 | 63.7% |
| 02-5025-**-** | Uniforms | 20,000 | | 20,000 | 27,220 | (7,220) | 136.1% (10) |
| 02-5026-**-** | Small Vehicle Fuel | 15,004 | | 15,004 | 8,185 | 6,819 | 54.6% |
| 02-5027-**-** | Insurance - Property/Liability | 68,556 | 18,250 | 86,806 | 88,375 | (1,569) | 101.8% |
| 02-5028-**-** | Small Tools & Supplies | 35,496 | | 35,496 | 23,529 | 11,967 | 66.3% |
| 02-5030-**-** | Trash Disposal | 2,000 | | 2,000 | 3,567 | (1,567) | 178.3% (11) |
| 02-5031-**-** | Safety Program & Supplies | 39,652 | | 39,652 | 47,528 | (7,876) | 119.9% (12) |
| 02-5032-**-** | Equipment Rental | 3,000 | | 3,000 | 3,942 | (942) | 131.4% |
| 02-5033-**-** | Recruitment | 1,000 | | 1,000 | 710 | 290 | 71.0% |
| 02-5034-**-** | Travel Expense/Tech. Conferences | 15,964 | | 15,964 | 10,200 | 5,764 | 63.9% |
| 02-5035-**-** | Training Expense | 13,168 | | 13,168 | 13,646 | (478) | 103.6% |
| 02-5036-**-** | Laboratory Supplies | 14,520 | | 14,520 | 14,118 | 402 | 97.2% |
| 02-5037-**-** | Office Equipment | 13,000 | | 13,000 | 24,444 | (11,444) | 188.0% (13) |
| 02-5038-**-** | Permits | 22,500 | | 22,500 | 20,129 | 2,371 | 89.5% |
| 02-5039-**-** | Membership Dues/Fees | 4,200 | | 4,200 | 5,135 | (935) | 122.3% (14) |
| 02-5049-**-** | Biosolids Disposal | 450,000 | 45,000 | 495,000 | 632,579 | (137,579) | 127.8% (15) |
| 02-5050-**-** | Contract Services Generators - 29A | 10,004 | | 10,004 | 11,086 | (1,082) | 110.8% |
| 02-5052-**-** | Janitorial Services | 41,000 | | 41,000 | 47,582 | (6,582) | 116.1% (16) |
| 02-5053-**-** | Contract Serv - Digester Cleaning - 29E | 59,996 | | 59,996 | 10,226 | 49,770 | 17.0% |
| 02-5054-**-** | Diesel Truck Maint | 21,000 | | 21,000 | 22,027 | (1,027) | 104.9% (17) |
| 02-5055-**-** | Diesel Truck Fuel - 37B | 6,000 | | 6,000 | 2,661 | 3,339 | 44.4% |
| 02-5056-**-** | Maintenance Equip. & Facilities (Solids) | 155,004 | | 155,004 | 136,669 | 18,335 | 88.2% |
| 02-5057-**-** | Maintenance Equip. & Facilities (Liquids) | 254,000 | | 254,000 | 192,774 | 61,226 | 75.9% |
| 02-5058-**-** | Maintenance Equip. & Facilities (Common) | 28,000 | | 28,000 | 44,448 | (16,448) | 158.7% (18) |
| 02-5059-**-** | Maintenance Equip. & Facilities (Co-Gen) | 369,996 | | 369,996 | 299,680 | 70,316 | 81.0% |
| 02-5061-**-** | Mileage | 1,504 | | 1,504 | 793 | 711 | 52.7% |
| 02-5076-**-** | SCADA Infrastructure | 6,996 | | 6,996 | 698 | 6,298 | 10.0% |
| 02-5077-**-** | IT Direct | 8,040 | | 8,040 | 6,294 | 1,746 | 78.3% |
| 02-5303-**-** | Group Insurance Waiver | 3,600 | | 3,600 | 3,636 | (36) | 101.0% |
| 02-5305-**-** | Medicare Tax Payments for Employees | 1,116 | | 1,116 | 1,598 | (482) | 143.2% |
| 02-5309-**-** | Operating Leases | 21,800 | | 21,800 | 23,343 | (1,543) | 107.1% |
| 02-5705-**-** | Monthly Car Allowance | 12,592 | | 12,592 | 18,953 | (6,361) | 150.5% |
| 02-6500-**-** | IT Allocations in to PC's & Depts. | 197,448 | 14,241 | 211,689 | 208,971 | 2,718 | 98.7% |
| | Total Other Expenses | 3,229,220 | 203,536 | 3,432,756 | 3,286,787 | 145,969 | 95.7% |
| | Total Expenses | 5,941,164 | 227,536 | 6,168,700 | 6,155,954 | 12,746 | 99.8% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|--|--|------------------------------|---|----------------------------|---------------|--------------------------------|------------------|
| 05 - San Juan Creek Ocean Outfall | | | | | | | |
| Salary and Fringe | | | | | | | |
| 05-5000-**-** | Regular Salaries-O&M | 102,104 | 27,000 | 129,104 | 116,561 | 12,543 | 90.3% |
| 05-5001-**-** | Overtime Salaries-O&M | 900 | | 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 | | 73,456 | 86,484 | (13,028) | 117.7% (2) |
| | Total Payroll Costs | 176,460 | 27,000 | 203,460 | 203,999 | (539) | 100.3% |
| Other Expenses | | | | | | | |
| 05-5003-**-** | Natural Gas | 500 | | 500 | - | 500 | 0.0% |
| 05-5015-**-** | Management Support Services | 15,004 | | 15,004 | 14,062 | 942 | 93.7% |
| 05-5017-**-** | Legal Fees | 3,012 | | 3,012 | 2,569 | 443 | 85.3% |
| 05-5027-**-** | Insurance - Property/Liability | 6,248 | 1,663 | 7,911 | 7,621 | 290 | 96.3% |
| 05-5031-**-** | Safety Supplies | 1,004 | | 1,004 | 140 | 864 | 13.9% |
| 05-5034-**-** | Travel Expense/Tech. Conferences | 3,712 | | 3,712 | 2,790 | 922 | 75.2% |
| 05-5035-**-** | Training Expense | 5,988 | | 5,988 | 110 | 5,878 | 1.8% |
| 05-5036-**-** | Laboratory Supplies | 19,468 | | 19,468 | 22,751 | (3,283) | 116.9% |
| 05-5038-**-** | Permits | 196,000 | 27,000 | 223,000 | 222,884 | 116 | 99.9% |
| 05-5039-**-** | Membership Dues/Fees | 5,496 | | 5,496 | 2,091 | 3,405 | 38.1% |
| 05-5044-**-** | Offshore Monitoring | 18,000 | 6,000 | 24,000 | 21,481 | 2,519 | 89.5% |
| 05-5046-**-** | Effluent Chemistry | 14,000 | | 14,000 | 15,917 | (1,917) | 113.7% |
| 05-5058-**-** | Maintenance Equip. & Facilities (Common) | 1,004 | | 1,004 | - | 1,004 | 0.0% |
| 05-5069-**-** | Misc-Capital-Dilution & Metering Study | 30,000 | | 30,000 | 16,345 | 13,655 | 54.5% |
| 05-6500-**-** | IT Allocations in to PC's & Depts. | 13,100 | 945 | 14,045 | 13,863 | 181 | 98.7% |
| | Total Other Expenses | 332,536 | 35,608 | 368,144 | 342,625 | 25,519 | 93.1% |
| | Total Expenses | 508,996 | 62,608 | 571,604 | 546,624 | 24,980 | 95.6% |
| 08 - Pre Treatment | | | | | | | |
| Salary and Fringe | | | | | | | |
| 08-5000-**-** | Regular Salaries-O&M | 92,352 | | 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 | | 66,436 | 63,872 | 2,564 | 96.1% |
| | Total Payroll Costs | 158,788 | - | 158,788 | 150,291 | 8,497 | 94.6% |
| Other Expenses | | | | | | | |
| 08-5011-**-** | Laboratory Services | 2,996 | | 2,996 | - | 2,996 | 0.0% |
| 08-5015-**-** | Management Support Services | 2,004 | | 2,004 | - | 2,004 | 0.0% |
| 08-5016-**-** | Audit - Environmental | 600 | | 600 | - | 600 | 0.0% |
| 08-5017-**-** | Legal Fees | 2,504 | | 2,504 | 906 | 1,598 | 36.2% |
| 08-5018-**-** | Public Notices/ Public Relations | 5,004 | | 5,004 | 277 | 4,727 | 5.5% |
| 08-5021-**-** | Small Vehicle Expense - 31A | 1,056 | | 1,056 | 43 | 1,013 | 4.1% |
| 08-5022-**-** | Miscellaneous Expense | 2,004 | | 2,004 | - | 2,004 | 0.0% |
| 08-5026-**-** | Small Vehicle Fuel - 37A | 1,500 | | 1,500 | 529 | 971 | 35.3% |
| 08-5027-**-** | Insurance - Property/Liability | 2,160 | 575 | 2,735 | 2,656 | 79 | 97.1% |
| 08-5028-**-** | Small Tools & Supplies | 3,876 | | 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 | | 4,348 | 671 | 3,677 | 15.4% |
| 08-5035-**-** | Training Expense | 1,564 | | 1,564 | 1,615 | (51) | 103.3% |
| 08-5038-**-** | Permits and Fines | 10,012 | | 10,012 | - | 10,012 | 0.0% |
| 08-5039-**-** | Membership Dues/Fees | 1,016 | | 1,016 | 741 | 275 | 72.9% |
| 08-6500-**-** | IT Allocations in to PC's & Depts. | 11,840 | 854 | 12,694 | 12,538 | 156 | 98.8% |
| | Total Other Expenses | 52,484 | 1,429 | 53,913 | 21,659 | 32,255 | 40.2% |
| | Total Expenses | 211,272 | 1,429 | 212,701 | 171,950 | 40,752 | 80.8% |
| 12 - Water Reclamation Permits | | | | | | | |
| Salary and Fringe | | | | | | | |
| 12-5000-**-** | Regular Salaries-O&M | 35,084 | | 35,084 | 57,080 | (21,996) | 162.7% (19) |
| 12-5401-**-** | Fringe Benefits IN to PC's & Depts. | 25,248 | | 25,248 | 42,352 | (17,104) | 167.7% (2) |
| | Total Payroll Costs | 60,332 | - | 60,332 | 99,432 | (39,100) | 164.8% |
| Other Expenses | | | | | | | |
| 12-5015-**-** | Management Support Services | 270,000 | 35,000 | 305,000 | 149,703 | 155,297 | 49.1% |
| 12-5017-**-** | Legal Fees | 2,004 | | 2,004 | 34 | 1,971 | 1.7% |
| 12-5027-**-** | Insurance - Property/Liability | 2,364 | 629 | 2,993 | 2,970 | 23 | 99.2% |
| 12-5034-**-** | Travel Expense/Tech. Conferences | 2,280 | | 2,280 | 88 | 2,192 | 3.9% |
| 12-5038-**-** | Permits | 20,000 | | 20,000 | 20,708 | (708) | 103.5% |
| 12-6500-**-** | IT Allocations in to PC's & Depts. | 4,508 | 325 | 4,833 | 4,765 | 68 | 98.6% |
| | Total Other Expenses | 301,156 | 35,954 | 337,110 | 178,268 | 158,842 | 52.9% |
| | Total Expenses | 361,488 | 35,954 | 397,442 | 277,700 | 119,742 | 69.9% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|-------------------------------------|--|------------------------------|---|----------------------------|---------------|--------------------------------|------------------|
| 15 - Coastal Treatment Plant | | | | | | | |
| Salary and Fringe | | | | | | | |
| 15-5000-**-** | Regular Salaries-O&M | 954,416 | | 954,416 | 837,478 | 116,938 | 87.7% |
| 15-5001-**-** | Overtime Salaries-O&M | 18,928 | | 18,928 | 15,049 | 3,879 | 79.5% |
| 15-5306-**-** | Scheduled Holiday Work | 2,596 | | 2,596 | 4,846 | (2,250) | 186.7% |
| 15-5315-**-** | Comp Time - O&M | 4,288 | | 4,288 | 3,129 | 1,159 | 73.0% |
| 15-5401-**-** | Fringe Benefits IN to PC's & Depts. | 686,636 | | 686,636 | 621,383 | 65,253 | 90.5% |
| 15-5700-**-** | Standby Pay | 27,040 | | 27,040 | 9,917 | 17,123 | 36.7% |
| | Total Payroll Costs | 1,693,904 | - | 1,693,904 | 1,491,803 | 202,101 | 88.1% |
| Other Expenses | | | | | | | |
| 15-5002-**-** | Electricity | 270,960 | | 270,960 | 248,532 | 22,428 | 91.7% |
| 15-5003-**-** | Natural Gas | 3,000 | | 3,000 | 2,529 | 471 | 84.3% |
| 15-5004-**-** | Potable & Reclaimed Water | 30,996 | | 30,996 | 25,778 | 5,218 | 83.2% |
| 15-5006-**-** | Chlorine/Sodium Hypochlorite | 99,000 | | 99,000 | 72,032 | 26,968 | 72.8% |
| 15-5007-**-** | Polymer Products | 1,004 | | 1,004 | - | 1,004 | 0.0% |
| 15-5008-**-** | Ferric Chloride | 28,368 | | 28,368 | 42,800 | (14,432) | 150.9% (6) |
| 15-5009-**-** | Odor Control Chemicals | 56,216 | | 56,216 | 42,473 | 13,743 | 75.6% |
| 15-5011-**-** | Laboratory Services | 14,000 | | 14,000 | 8,628 | 5,372 | 61.6% |
| 15-5012-**-** | Grit Hauling | 30,000 | | 30,000 | 24,555 | 5,445 | 81.8% |
| 15-5013-**-** | Landscaping | 50,548 | | 50,548 | 26,893 | 23,655 | 53.2% |
| 15-5014-**-** | Engineering - Misc. | 1,000 | | 1,000 | - | 1,000 | 0.0% |
| 15-5015-**-** | Management Support Services | 4,500 | | 4,500 | 19,405 | (14,905) | 431.2% (20) |
| 15-5017-**-** | Legal Fees | 15,000 | | 15,000 | 6,466 | 8,534 | 43.1% |
| 15-5019-**-** | Contract Services Misc. | 59,036 | | 59,036 | 93,146 | (34,110) | 157.8% (9) |
| 15-5021-**-** | Small Vehicle Expense - 31A | 6,004 | | 6,004 | 2,161 | 3,843 | 36.0% |
| 15-5022-**-** | Miscellaneous Expense | 2,996 | 1,115 | 4,111 | 1,647 | 2,465 | 40.0% |
| 15-5023-**-** | Office Supplies - All | 4,004 | | 4,004 | 8,847 | (4,843) | 221.0% (21) |
| 15-5024-**-** | Petroleum Products | 1,660 | | 1,660 | 1,999 | (339) | 120.4% |
| 15-5025-**-** | Uniforms | 9,000 | | 9,000 | 9,875 | (875) | 109.7% (10) |
| 15-5026-**-** | Small Vehicle Fuel - 37A | 5,000 | | 5,000 | 1,774 | 3,226 | 35.5% |
| 15-5027-**-** | Insurance - Property/Liability | 35,372 | 9,416 | 44,788 | 43,196 | 1,592 | 96.4% |
| 15-5028-**-** | Small Tools & Supplies | 9,524 | | 9,524 | 15,144 | (5,620) | 159.0% (22) |
| 15-5030-**-** | Trash Disposal | 2,996 | | 2,996 | 2,030 | 966 | 67.8% |
| 15-5031-**-** | Safety Program & Supplies | 36,048 | | 36,048 | 21,111 | 14,937 | 58.6% |
| 15-5032-**-** | Equipment Rental | 1,000 | | 1,000 | 3,514 | (2,514) | 351.4% (23) |
| 15-5033-**-** | Recruitment | 1,000 | | 1,000 | 1,255 | (255) | 125.5% |
| 15-5034-**-** | Travel Expense/Tech. Conferences | 15,968 | | 15,968 | 5,847 | 10,121 | 36.6% |
| 15-5035-**-** | Training Expense | 13,268 | | 13,268 | 13,171 | 97 | 99.3% |
| 15-5036-**-** | Laboratory Supplies | 16,500 | | 16,500 | 15,373 | 1,127 | 93.2% |
| 15-5037-**-** | Office Equipment | 2,000 | | 2,000 | 3,212 | (1,212) | 160.6% (13) |
| 15-5038-**-** | Permits | 23,236 | | 23,236 | 9,176 | 14,060 | 39.5% |
| 15-5039-**-** | Membership Dues/Fees | 2,368 | | 2,368 | 8,397 | (6,029) | 354.6% (14) |
| 15-5047-**-** | Access Road Expenses | 49,000 | | 49,000 | 34,686 | 14,314 | 70.8% |
| 15-5048-**-** | Storm Damage | 20,008 | | 20,008 | 549 | 19,459 | 2.7% |
| 15-5050-**-** | Contract Services Generators - 29A | 4,004 | | 4,004 | 3,923 | 81 | 98.0% |
| 15-5052-**-** | Janitorial Services | 20,008 | | 20,008 | 15,161 | 4,847 | 75.8% |
| 15-5054-**-** | Diesel Truck Maint - 31B | 996 | | 996 | 637 | 359 | 64.0% |
| 15-5055-**-** | Diesel Truck Fuel - 37B | 996 | | 996 | - | 996 | 0.0% |
| 15-5057-**-** | Maintenance Equip. & Facilities (Liquids) | 179,000 | | 179,000 | 173,078 | 5,922 | 96.7% |
| 15-5058-**-** | Maintenance Equip. & Facilities (Common) | 22,000 | | 22,000 | 7,763 | 14,237 | 35.3% |
| 15-5060-**-** | Maintenance Equip. & Facilities (AWT) 41-E | 37,000 | | 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 | - | 6,996 | 0.0% |
| 15-5077-**-** | IT Direct | - | | - | 3,239 | (3,239) | 0.0% |
| 15-5303-**-** | Group Insurance Waiver | 3,604 | | 3,604 | 3,636 | (32) | 100.9% |
| 15-5305-**-** | Medicare Tax Payments for Employees | 1,668 | | 1,668 | 1,857 | (189) | 111.4% |
| 15-5705-**-** | Monthly Car Allowance | 4,200 | | 4,200 | 4,242 | (42) | 101.0% |
| 15-6500-**-** | IT Allocations in to PC's & Depts. | 122,436 | 8,831 | 131,267 | 129,583 | 1,684 | 98.7% |
| | Total Other Expenses | 1,323,488 | 19,363 | 1,342,851 | 1,178,157 | 164,693 | 87.7% |
| | Total Expenses | 3,017,392 | 19,363 | 3,036,755 | 2,669,960 | 366,794 | 87.9% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|---|---|------------------------------|---|----------------------------|------------------|--------------------------------|------------------|
| 17 - Joint Regional Wastewater Reclamation and Sludge Handling | | | | | | | |
| Salary and Fringe | | | | | | | |
| 17-5000-**-** | Regular Salaries-O&M | 1,797,416 | | 1,797,416 | 1,586,774 | 210,642 | 88.3% |
| 17-5001-**-** | Overtime Salaries-O&M | 54,072 | | 54,072 | 36,546 | 17,526 | 67.6% (24) |
| 17-5306-**-** | Scheduled Holiday Work | 12,772 | | 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 | | 1,293,120 | 1,177,338 | 115,782 | 91.0% |
| 17-5700-**-** | Standby Pay | 27,040 | | 27,040 | 32,607 | (5,567) | 120.6% (3) |
| | Total Payroll Costs | 3,184,420 | - | 3,184,420 | 2,855,989 | 328,431 | 89.7% |
| Other Expenses | | | | | | | |
| 17-5002-**-** | Electricity | 351,916 | | 351,916 | 420,779 | (68,863) | 119.6% (25) |
| 17-5003-**-** | Natural Gas | 95,000 | | 95,000 | 140,468 | (45,468) | 147.9% (26) |
| 17-5004-**-** | Potable & Reclaimed Water | 29,996 | | 29,996 | 33,774 | (3,778) | 112.6% |
| 17-5005-**-** | Co-generation Power Credit | (325,004) | | (325,004) | (486,734) | 161,730 | 149.8% (27) |
| 17-5006-**-** | Chlorine/Sodium Hypochlorite | 402,000 | | 402,000 | 365,562 | 36,438 | 90.9% |
| 17-5007-**-** | Polymer Products | 482,000 | | 482,000 | 338,604 | 143,396 | 70.2% |
| 17-5008-**-** | Ferric Chloride | 172,888 | | 172,888 | 281,621 | (108,733) | 162.9% (6) |
| 17-5009-**-** | Odor Control Chemicals | 44,796 | | 44,796 | 38,850 | 5,946 | 86.7% |
| 17-5010-**-** | Other Chemicals - Misc. | 1,996 | | 1,996 | - | 1,996 | 0.0% |
| 17-5011-**-** | Laboratory Services | 16,500 | | 16,500 | 10,546 | 5,954 | 63.9% |
| 17-5012-**-** | Grit Hauling - 21A | 47,000 | | 47,000 | 54,357 | (7,357) | 115.7% (7) |
| 17-5013-**-** | Landscaping | 67,668 | | 67,668 | 91,134 | (23,466) | 134.7% (8) |
| 17-5015-**-** | Management Support Services | 13,204 | | 13,204 | 37,857 | (24,653) | 286.7% (20) |
| 17-5017-**-** | Legal Fees | 1,500 | | 1,500 | 43,809 | (42,309) | 2920.6% (28) |
| 17-5019-**-** | Contract Services Misc. | 80,720 | | 80,720 | 111,731 | (31,011) | 138.4% (9) |
| 17-5021-**-** | Small Vehicle Expense | 7,000 | | 7,000 | 9,204 | (2,204) | 131.5% (29) |
| 17-5022-**-** | Miscellaneous Expense | 5,004 | 3,734 | 8,738 | 5,218 | 3,520 | 59.7% |
| 17-5023-**-** | Office Supplies - All | 11,000 | | 11,000 | 10,430 | 570 | 94.8% |
| 17-5024-**-** | Petroleum Products | 33,220 | | 33,220 | 34,820 | (1,600) | 104.8% |
| 17-5025-**-** | Uniforms | 25,004 | | 25,004 | 28,924 | (3,920) | 115.7% (10) |
| 17-5026-**-** | Small Vehicle Fuel | 9,996 | | 9,996 | 6,433 | 3,563 | 64.4% |
| 17-5027-**-** | Insurance - Property/Liability | 88,132 | 23,461 | 111,593 | 107,778 | 3,816 | 96.6% |
| 17-5028-**-** | Small Tools & Supplies | 25,976 | | 25,976 | 25,532 | 444 | 98.3% |
| 17-5030-**-** | Trash Disposal | 1,996 | | 1,996 | 1,916 | 80 | 96.0% |
| 17-5031-**-** | Safety Program & Supplies | 39,648 | | 39,648 | 65,234 | (25,586) | 164.5% (12) |
| 17-5032-**-** | Equipment Rental | 3,004 | | 3,004 | - | 3,004 | 0.0% |
| 17-5033-**-** | Recruitment | 1,004 | | 1,004 | 971 | 33 | 96.7% |
| 17-5034-**-** | Travel Expense/Tech. Conferences | 15,956 | | 15,956 | 17,238 | (1,282) | 108.0% |
| 17-5035-**-** | Training Expense | 15,172 | | 15,172 | 12,656 | 2,516 | 83.4% |
| 17-5036-**-** | Laboratory Supplies | 23,208 | | 23,208 | 20,118 | 3,090 | 86.7% |
| 17-5037-**-** | Office Equipment | 10,000 | | 10,000 | 4,336 | 5,664 | 43.4% |
| 17-5038-**-** | Permits | 41,624 | | 41,624 | 29,771 | 11,853 | 71.5% |
| 17-5039-**-** | Membership Dues/Fees | 4,312 | | 4,312 | 10,365 | (6,053) | 240.4% (14) |
| 17-5049-**-** | Biosolids Disposal | 905,004 | | 905,004 | 834,134 | 70,870 | 92.2% |
| 17-5050-**-** | Contract Services Generators - 29A | 8,000 | | 8,000 | 3,715 | 4,285 | 0.0% |
| 17-5052-**-** | Janitorial Services | 41,000 | | 41,000 | 37,748 | 3,252 | 92.1% |
| 17-5054-**-** | Diesel Truck Maint | 19,004 | | 19,004 | 26,054 | (7,050) | 137.1% (17) |
| 17-5055-**-** | Diesel Truck Fuel - 37B | 8,000 | | 8,000 | 5,254 | 2,746 | 65.7% |
| 17-5056-**-** | Maintenance Equip. & Facilities (Solids) | 201,000 | | 201,000 | 201,311 | (311) | 100.2% |
| 17-5057-**-** | Maintenance Equip. & Facilities (Liquids) | 230,000 | | 230,000 | 227,241 | 2,759 | 98.8% |
| 17-5058-**-** | Maintenance Equip. & Facilities (Common) | 35,000 | | 35,000 | 26,362 | 8,638 | 75.3% |
| 17-5059-**-** | Maintenance Equip. & Facilities (Co-Gen) | 588,000 | | 588,000 | 679,753 | (91,753) | 115.6% (30) |
| 17-5060-**-** | Maintenance Equip. & Facilities (AWT) | 37,000 | | 37,000 | 70,760 | (33,760) | 191.2% (31) |
| 17-5061-**-** | Mileage | 1,004 | | 1,004 | 965 | 39 | 96.2% |
| 17-5068-**-** | MNWD Potable Water Supplies & Svcs. | 24,972 | | 24,972 | 23,757 | 1,215 | 95.1% |
| 17-5074-**-** | Education Reimbursement | - | | - | 311 | (311) | |
| 17-5076-**-** | SCADA Infrastructure | 7,000 | | 7,000 | - | 7,000 | 0.0% |
| 17-5077-**-** | IT Direct | 8,040 | | 8,040 | 3,239 | 4,801 | 40.3% |
| 17-5105-**-** | Co-Generation Power Credit - Offset | 325,000 | | 325,000 | 486,734 | (161,734) | 149.8% (27) |
| 17-5303-**-** | Group Insurance Waiver | 7,192 | | 7,192 | 7,271 | (79) | 101.1% |
| 17-5705-**-** | Monthly Car Allowance | 11,392 | | 11,392 | 8,483 | 2,909 | 74.5% |
| 17-5706-**-** | Effluent Pond Cleaning | 90,000 | | 90,000 | - | 90,000 | 0.0% |
| 17-6500-**-** | IT Allocations in to PC's & Depts. | 230,586 | 16,631 | 247,217 | 244,039 | 3,178 | 98.7% |
| | Total Other Expenses | 4,620,630 | 43,827 | 4,664,457 | 4,760,432 | (95,975) | 102.1% |
| | Total Expenses | 7,805,050 | 43,827 | 7,848,877 | 7,616,421 | 232,456 | 97.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020
(in dollars)

| | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | %Expended |
|--|----------------------|---|---------------------------|-------------------|------------------------|---------------------|
| 21 - Effluent Transmission Main | | | | | | |
| Salary and Fringe | | | | | | |
| 21-5000-**-** | | Regular Salaries-O&M | 5,000 | 5,000 | 4,740 | 94.8% |
| 21-5001-**-** | | Overtime Salaries-O&M | 5,000 | 5,000 | 2,851 | 57.0% |
| 21-5401-**-** | | Fringe Benefits IN to PC's & Depts. | 5,000 | 5,000 | 3,517 | 70.3% |
| | | Total Payroll Costs | 15,000 | 15,000 | 11,108 | 74.1% |
| Other Expenses | | | | | | |
| 21-5014-**-** | | Engineering - Misc. | - | - | 848 | (848) 0.0% |
| 21-5015-**-** | | Management Support Services | 25,000 | 25,000 | 6,350 | 18,650 25.4% |
| 21-5019-**-** | | Contract Services Misc. - 29 | 60,000 | 60,000 | 157 | 59,843 0.3% |
| 21-5027-**-** | | Insurance - Property/Liability | 740 | 197 | 937 | 872 65 93.1% |
| | | Total Other Expenses | 740 | 85,197 | 85,937 | 8,227 77,710 9.6% |
| | | Total Expenses | 740 | 100,197 | 100,937 | 19,335 81,602 19.2% |
| 23 - North Coast Interceptor | | | | | | |
| Other Expenses | | | | | | |
| 23-5011-**-** | | Laboratory Services | 11,500 | 11,500 | 11,200 | 300 97.4% |
| 23-5015-**-** | | Management Support Services | 16,500 | 16,500 | 16,011 | 489 97.0% |
| 23-5017-**-** | | Legal Fees | 2,000 | 2,000 | 1,800 | 200 90.0% |
| | | Total Other Expenses | 30,000 | 30,000 | 29,010 | 990 96.7% |
| | | | 30,000 | 30,000 | 29,010 | 990 96.7% |
| 24 - Aliso Creek Ocean Outfall | | | | | | |
| Salary and Fringe | | | | | | |
| 24-5000-**-** | 99,608 | Regular Salaries-O&M | 99,608 | 105,861 | (6,253) | 106.3% (32) |
| 24-5001-**-** | 460 | 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-**-** | 71,648 | Fringe Benefits IN to PC's & Depts. | 71,648 | 78,545 | (6,897) | 109.6% (2) |
| | 171,716 | Total Payroll Costs | 171,716 | 185,882 | (14,166) | 108.2% |
| Other Expenses | | | | | | |
| 24-5015-**-** | 22,496 | Management Support Services | 22,496 | 4,712 | 17,784 | 20.9% |
| 24-5017-**-** | 1,004 | Legal Fees | 1,004 | - | 1,004 | 0.0% |
| 24-5027-**-** | 6,524 | Insurance - Property/Liability | 1,737 8,261 | 7,937 | 324 | 96.1% |
| 24-5031-**-** | 1,004 | Safety Supplies | 1,004 | - | 1,004 | 0.0% |
| 24-5034-**-** | 3,704 | Travel Expense/Tech. Conferences | 3,704 | 2,790 | 914 | 75.3% |
| 24-5035-**-** | 6,008 | Training Expense | 6,008 | 3,000 | 3,008 | 49.9% |
| 24-5036-**-** | 19,560 | Laboratory Supplies | 19,560 | 22,923 | (3,363) | 117.2% |
| 24-5038-**-** | 186,756 | Permits | 186,756 | 193,466 | (6,710) | 103.6% (33) |
| 24-5039-**-** | 5,500 | Membership Dues/Fees | 5,500 | 2,091 | 3,409 | 38.0% |
| 24-5044-**-** | 18,000 | Offshore Monitoring | 18,000 | 31,561 | (13,561) | 175.3% (34) |
| 24-5046-**-** | 14,004 | Effluent Chemistry | 14,004 | 11,612 | 2,392 | 82.9% |
| 24-5058-**-** | 1,004 | Maintenance Equip. & Facilities (Common) 41-C | 1,004 | - | 1,004 | 0.0% |
| 24-5069-**-** | 30,004 | Misc-Capital-Dilution & Metering Study | 30,004 | 12,005 | 17,999 | 40.0% |
| 24-6500-**-** | 12,776 | IT Allocations in to PC's & Depts. | 922 13,698 | 13,523 | 175 | 98.7% |
| | 328,344 | Total Other Expenses | 2,658 331,002 | 305,621 | 25,381 | 92.3% |
| | 500,060 | Total Expenses | 2,658 502,718 | 491,503 | 11,215 | 97.8% |
| | 18,346,162 | Total O&M Expenses | 523,573 18,869,735 | 17,978,459 | 891,276 | 95.3% |

* 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 (\$56,293, 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 Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2020

- (1) Additional Electrical and SCADA staffing expenses to support the ongoing operational intense construction projects. Comp time, overtime, and holiday pay and all different forms of overtime considered together, and 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 at Budget.
- (4) Increased power costs in June 2020 were due to SDG&E correcting errors on several previous months and unanticipated standby demand charges to shutdown the engine to allow the engine's manufacturer's representative to correct faulty equipment.
- (5) A leak in the fiberglass tank required staff to drain the bleach tank and refill it. The bleach drained from the leaking tank is being stored in temporary totes and will be used over the next few months.
- (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 Plant. Member agencies have been informed of the grit deposits coming from their sewer lines and requested Staff 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. The increased costs will also be reflected in the FY 2020-21 Budget.
- (10) O&M had higher uniform costs due to a higher than anticipated number of new hires and restocking winter PPE.
- (11) Several areas were cleaned out, including storage areas for the ongoing construction projects, and additional loads of trash were sent to the 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) Extra office deep cleaning services were required under SOCWA's new 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 due to deterioration and corrosion from the ocean air.
- (19) This cost includes 4 months of intern time, for HF183 Research to address Human Source Tracking approach.
- (20) RTP and CTP required additional stormwater assessments due to elevated levels of ammonia and bacteria under the industrial stormwater program.
- (21) CTP staff is overhauling the documents storage systems for the treatment plant.

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

- (22) Costs incurred due to new hires.
- (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, Overtime, and Holiday Pay line items together; when combining the line items for the Fiscal Year Actual, the overtime budget totals 89% and is under budget.
- (25) Additional power is being purchased due to warranty work on the new engine. Power costs are elevated due to high energy demand charges, as discussed with the Board in June during the review of the proposed FY 2020-21 Budget.
- (26) Additional gas is being purchased due to warranty work on the new 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 are being reviewed and updated for the new engine at RTP.
- (29) O&M staff overhauled the tow motor used to move the grit bins around. The project was planned for next year, but the unit failed quicker than expected.
- (30) The RTP gas skid required 2 additional media swap outs over what was anticipated.
- (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 increase in water quality fees from the SWRCB.
- (34) Additional costs were due to unanticipated additional toxicity testing for compliance purposes.

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

For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|--------------------------|-------------------------------------|------------------------------|---|----------------------------|----------------|--------------------------------|-----------------------|
| Salary and Fringe | | | | | | | |
| 01-5000-03-00-00 | Regular Salaries-O&M* | 207,349 | | 207,349 | 180,767 | 26,582 | 87.2% |
| 01-5401-03-00-00 | Fringe Benefits IN to PC's & Depts. | 149,173 | | 149,173 | 134,124 | 15,049 | 89.9% |
| | Total Payroll Costs | 356,522 | - | 356,522 | 314,891 | 41,631 | 88.3% |
| Other Expenses | | | | | | | |
| 01-5015-03-00-00 | Management Support Services | 9,600 | | 9,600 | - | 9,600 | 0.0% |
| **-5022-**-**-00 | Miscellaneous Expense | 3,121 | 714 | 3,835 | 783 | 3,052 | 20.4% |
| 01-5023-03-00-00 | Office Supplies - All | 204 | | 204 | 171 | 33 | 84.0% |
| 01-5031-03-00-00 | Safety Supplies | 300 | | 300 | - | 300 | 0.0% |
| 01-5034-03-00-00 | Travel Expense/Tech. Conferences | 12,625 | | 12,625 | 5,767 | 6,858 | 45.7% |
| 01-5035-03-00-00 | Training Expense | 4,400 | | 4,400 | 278 | 4,122 | 6.3% |
| 01-5037-03-00-00 | Office Equipment | 400 | | 400 | - | 400 | 0.0% |
| 01-5039-03-00-00 | Membership Dues/Fees | 1,350 | | 1,350 | 1,120 | 230 | 83.0% |
| 01-5061-03-00-00 | Mileage | 500 | | 500 | 263 | 237 | 52.6% |
| 01-5309-03-00-00 | Operating Leases | 6,695 | | 6,695 | 7,764 | (1,069) | 116.0% |
| 01-5705-03-00-00 | Monthly Car Allowance | 5,250 | | 5,250 | 4,888 | 362 | 93.1% |
| 01-5802-03-00-00 | Shipping/Freight | 306 | | 306 | - | 306 | 0.0% |
| 01-6500-03-00-00 | IT Allocations in to PC's & Depts. | 55,588 | 4,009 | 59,597 | 58,832 | 765 | 98.7% |
| | Total Other Expenses | 100,339 | 4,723 | 105,062 | 79,867 | 25,195 | 76.0% |
| | Total Engineering Expenses | 456,862 | 4,723 | 461,584 | 394,758 | 66,827 | 85.5% |

* 06/20/2019 Board approved (one year) payment of PEPRAs employee's contribution rate increase (\$9,895)

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

For the Period Ended June 30, 2020
(in dollars)

| | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|--|----------------------|---------------------------------|--------------------|------------------|------------------------|---------------|
| Salary and Fringe | | | | | | |
| 01-6000-04-00-00 Regular Salaries-Admin or IT* | 1,030,445 | | 1,030,445 | 934,332 | 96,113 | 90.7% |
| 01-6001-04-00-00 Overtime Salaries-Admin or IT | 6,000 | | 6,000 | 33,485 | (27,485) | 558.1% (1) |
| 01-6315-04-00-00 Comp Time - Admin | 5,000 | | 5,000 | 9,200 | (4,200) | 184.0% (1) |
| 01-6401-04-00-00 Fringe Benefits IN to ADMIN or IT | 741,332 | | 741,332 | 693,245 | 48,087 | 93.5% |
| Total Payroll Costs | 1,782,777 | - | 1,782,777 | 1,670,262 | 112,515 | 93.7% |
| Other Expenses | | | | | | |
| 01-6101-04-00-00 HR Recruitment & Employee Relations | 34,200 | | 34,200 | 34,745 | (545) | 101.6% (3) |
| 01-6102-04-00-00 Subscriptions | 2,000 | | 2,000 | 2,058 | (58) | 102.9% |
| 01-6200-04-00-00 Management Support Services | 100,000 | | 100,000 | 76,008 | 23,992 | 76.0% |
| 01-6201-04-00-00 Audit | 45,000 | | 45,000 | 38,267 | 6,733 | 85.0% |
| 01-6202-04-00-00 Legal | 250,000 | | 250,000 | 222,876 | 27,124 | 89.2% |
| 01-6204-04-00-00 Postage | 2,400 | | 2,400 | 3,126 | (726) | 130.3% (2) |
| 01-6223-04-00-00 Office Supplies - Admin | 6,000 | | 6,000 | 5,983 | 17 | 99.7% |
| 01-6224-04-00-00 Office Equipment Admin or IT | 400 | | 400 | 1,058 | (658) | 264.5% |
| 01-6234-04-00-00 Memberships & Trainings | 90,000 | | 90,000 | 94,279 | (4,279) | 104.8% (6) |
| 01-6239-04-00-00 Travel & Conference | 21,500 | | 21,500 | 13,470 | 8,030 | 62.7% (6) |
| 01-6241-04-00-00 Education Reimbursement | - | | - | 1,500 | (1,500) | 0.0% (5) |
| 01-6310-04-00-00 Miscellaneous | 23,000 | 3,092 | 26,092 | 30,927 | (4,835) | 118.5% (4) |
| 01-6311-04-00-00 Mileage | 1,188 | | 1,188 | 401 | 787 | 33.8% |
| 01-6317-04-00-00 Contract Services Misc | 5,500 | | 5,500 | 5,293 | 207 | 96.2% |
| 01-6500-04-00-00 IT Allocations in to PC's & Depts. | 132,191 | 9,534 | 141,725 | 139,905 | 1,820 | 98.7% |
| 01-6601-04-00-00 Shipping/Freight | 3,667 | | 3,667 | 4,830 | (1,163) | 131.7% |
| 01-6705-04-00-00 Monthly Car Allowance | 12,000 | | 12,000 | 12,119 | (119) | 101.0% |
| Total Other Expenses | 729,046 | 12,627 | 741,673 | 686,844 | 54,828 | 92.6% |
| Total Admin Expenses | 2,511,823 | 12,627 | 2,524,450 | 2,357,106 | 167,344 | 93.4% |

* 06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$9,895)

(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) Increased Retirement costs

(4) Primarily due to FY 2018-19 CAFR preparation and printing costs.

(5) CPA Review classes

(6) Overlapping expenses between Memberships/Training and Travel/Conference and considering these line items together, the Fiscal Year Actual is 96.6% expended.

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended June 30, 2020
(in dollars)

| | | FY 2019-20 Budget | Board Approved Expenditures* | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|---|---|------------------------------|---|----------------------------|------------------|--------------------------------|-----------------------|
| Salary & Fringe | | | | | | | |
| 01-6000-05-00-00 | Regular Salaries-Admin or IT * | 98,482 | | 98,482 | 92,851 | 5,631 | 94.3% |
| 01-6001-05-00-00 | Overtime Salaries-Admin or IT | - | | - | 4,020 | (4,020) | 0.0% (1) |
| 01-6315-05-00-00 | Comp Time - IT | - | | - | - | - | 0.0% |
| 01-6401-05-00-00 | Fringe Benefits IN to ADMIN or IT | 70,851 | | 70,851 | 68,893 | 1,958 | 97.2% |
| | Total Salary & Fringe | 169,333 | - | 169,333 | 165,764 | 3,569 | 97.9% |
| Other Expenses | | | | | | | |
| 01-5028-05-00-00 | Small Tools & Supplies | 1,000 | | 1,000 | - | 1,000 | 0.0% |
| 01-5037-05-00-00 | Office Equipment | 600 | | 600 | - | 600 | 0.0% |
| 01-6101-05-00-00 | Recruitment & Employee Relations, IT DEPT | - | | - | 365 | (365) | 0.0% |
| 01-6102-05-00-00 | Subscriptions | 700 | | 700 | 111 | 589 | 15.9% |
| 01-6200-05-00-00 | Management Support Services | | | | 34,550 | (34,550) | 0.0% (5) |
| 01-6234-05-00-00 | Memberships & Trainings | 1,000 | | 1,000 | - | 1,000 | 0.0% |
| 01-6239-05-00-00 | Travel & Conference | 3,500 | | 3,500 | 2,745 | 755 | 78.4% |
| 01-6300-05-00-00 | Software Maintenance Agreements | 51,967 | 56,293 | 108,260 | 76,051 | 32,209 | 70.2% (2) |
| 01-6301-05-00-00 | Hardware Maintenance Agreements | 7,126 | | 7,126 | 6,052 | 1,074 | 84.9% |
| 01-6302-05-00-00 | Cloud Subscriptions (Internet) | 75,124 | | 75,124 | 68,556 | 6,568 | 91.3% |
| 01-6303-05-00-00 | Telecommunications | 127,036 | | 127,036 | 144,078 | (17,042) | 113.4% (3) |
| 01-6305-05-00-00 | IT Professional Services | 236,919 | | 236,919 | 228,052 | 8,867 | 96.3% |
| 01-6306-05-00-00 | Small Hardware Purchases (< \$5k) | 20,900 | | 20,900 | 29,362 | (8,462) | 140.5% (4) |
| 01-6307-05-00-00 | Small Software Purchases & Licenses (<\$5k) | 24,908 | | 24,908 | 8,910 | 15,998 | 35.8% |
| 01-6308-05-00-00 | IT Memberships | 160 | | 160 | 704 | (544) | 440.0% |
| 01-6309-05-00-00 | Operating Leases | 55,200 | | 55,200 | 59,847 | (4,647) | 108.4% |
| 01-6310-05-00-00 | Miscellaneous | 5,000 | 518 | 5,518 | 874 | 4,645 | 15.8% |
| | Total Other Expenses | 611,140 | 56,811 | 667,951 | 660,256 | 7,695 | 98.8% |
| | Total Expenses before Allocation | 780,473 | 56,811 | 837,284 | 826,020 | 11,264 | 98.7% |
| IT Allocations (Out) to PC's & Depts | | | | | | | |
| 01-6400-05-00-00 | IT Allocations (OUT) to PC's & Depts. | (780,473) | (518) | (837,284) | (826,020) | (11,264) | 98.7% |
| | Total IT Allocations (Out) to PC's & Depts | (780,473) | (518) | (837,284) | (826,020) | (11,264) | 98.7% |

* 06/20/2019 Board approved (one year) payment of PEPRA employee's contribution rate increase (\$9,895)

- (1) Overtime from the transition of personnel in IT.
- (2) November 7, 2019 Board Meeting, Board authorized GM to upgrade of the Blackbaud cloud based conversion which exceeded this line item cost.
- (3) Increased service costs unforeseen in budget from internet and phone service providers.
- (4) Laptops purchased for Covid-19 related telecommuting work.
- (5) Cyber crime contracts

Agenda Item

5d

Board of Directors Meeting

Meeting Date: September 3, 2020

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

An eight (8) 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. Beach Ocean Monitoring Report

4. Recycled Water Report

5. Pretreatment Report

Fiscal impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report July, 2020

Excursion, Complaint, and Violation Event

| 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) | 2.91 | 7.72 | 5.90 | 0.93 | 17.46 |
| Effluent (mgd) | 1.85 | 1.25 | 5.90 | 1.18 | 10.17 |
| Peak Flow (mgd) | 12.08 | 16.38 | 11.14 | 4.31 | 43.91 |
| Influent BOD (mg/l) | 318 | 264 | 332 | 275 | |
| Influent TSS (mg/l) | 470 | 333 | 695 | 398 | |
| Effluent BOD (mg/l) | 6.4 | 3.5 | 6.3 | 5.6 | |
| Effluent TSS (mg/l) | 9.7 | 4.7 | 9.5 | 6.9 | |
| Effluent Turbidity (NTU) | 2.7 | 2.7 | 3.5 | 2.5 | |

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

Recycled Water (AWT) Operations

| Key Parameters | CTP | RTP | JBL | Totals |
|------------------------------------|-------|-------|------|--------|
| Average Flow (mgd) | 1.53 | 6.47 | | 8.00 |
| Days of Operation (days) | 31 | 31 | | |
| Total Flow (million gallons) | 47.6 | 200.6 | | 248.1 |
| Plant Irrigation (million gallons) | 0.00 | 0.21 | 0.28 | |
| AWT Time Online (%) | 100.0 | 99.0 | | |

Wastewater Unit Definitions

mgd = million gallons per day

mg/l = milligram per liter also known as parts per million

NTU = Nephelometric Turbidity Units

SOCWA Operational Report July, 2020 (cont'd)

Biosolids Management

| Biosolids Management Site | CTP | RTP | JBL | Totals |
|---------------------------|-----|---------|-------|---------|
| Synagro Compost (tons) | | 790.4 | 0.0 | 790.4 |
| Nursery Products (tons) | | 474.8 | 632.7 | 1,107.5 |
| Prima Deshecha (tons) | | 0.0 | 274.8 | 274.8 |
| Other: (tons) | | 0.0 | 0.0 | 0.0 |
| Total Processed (tons) | | 1,265.1 | 907.5 | 2,172.6 |

Summary of Maintenance Activities

| Task Type | CTP | RTP | JBL | Totals |
|--------------------------|-----|-------|-----|--------|
| Preventative Maintenance | 917 | 1,850 | 264 | 3,031 |
| Corrective Maintenance | 18 | 54 | 60 | 132 |

Note: O&M staff are closing out work PM orders completed of the past few months during the Tabware upgrades.

Site Visitors

| Visitor Types | CTP | RTP | JBL | Totals |
|------------------|-----|-----|-----|--------|
| Regulatory | 0 | 0 | 0 | 0 |
| Member Agency | 0 | 0 | 0 | 0 |
| Residents | 0 | 0 | 0 | 0 |
| Others | 3 | 2 | 11 | 16 |
| Tours #/Visitors | 0 | 0 | 0 | 0 |

Grit Disposal Management

| Grit & Screenings | CTP | RTP | JBL | Totals |
|-----------------------------|------|------|-----|--------|
| Simi Valley Landfill (tons) | 12.0 | 26.1 | NA | 38.1 |

Chemical and Energy Utilization

| Chemical/Utility | CTP | RTP | JBL | Totals |
|-------------------------------|---------|-----------|-----------|------------|
| Ferric Chloride (tons) | 8.5 | NA | NA | 8.5 |
| Utility Power Purchase (kWh) | 211,563 | 144,730 | 265,234 | 621,527 |
| Cogen Power (kWh) | | 523,132 | 414,844 | 937,976 |
| Natural Gas (Dth) | 2 | 1,613 | 1,524 | 3,139 |
| Digester Gas to Engine (scfm) | | 7,398,807 | 4,935,041 | 12,333,848 |
| Digester Gas to Boiler (scfm) | | 0 | | 0 |
| Digester Gas to Flares (scfm) | | 1,783,452 | 713,683 | 2,497,135 |
| Digester Gas Power Savings | | \$60,337 | | |

(1) The bills to calculate these values are received after this report is prepared for the

Board meeting, but will be available upon request at the Board meeting.

NA = Not Available at the time this report was generated.

Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

SOCWA Operational Report July, 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 | 1.723 | 56.43% | | | | 1.72 |
| EBSB | 0.123 | 4.04% | | | | 0.12 |
| SCWD | 1.207 | 39.53% | | 1.680 | 24.60% | 2.89 |
| MNWD | 0.000 | 0.00% | 7.72 | 1.400 | 20.49% | 9.12 |
| CSJC | | | | 2.127 | 31.14% | 2.13 |
| SMWD | | | | 1.624 | 23.77% | 1.62 |
| Total | 3.053 | 100.00% | 7.72 | 6.831 | 100.00% | 17.60 |

Total Agency Outfall Flows by Outfall System-Billing Flows

| Agency | SJCOO (mgd) | SJCOO (%) | SJCOO Meter (mgd) | ACOO (mgd) | ACOO (%) | Total (mgd) | Notes |
|--------|-------------|-----------|-------------------|------------|----------|-------------|---------------------|
| CLB | | | | 1.72 | 31.83% | 1.72 | |
| EBSB | | | | 0.12 | 2.28% | 0.12 | |
| SCWD | 1.88 | 18.22% | | -0.10 | -1.84% | 1.78 | Includes Desalters |
| MNWD | 1.78 | 17.19% | | 1.25 | 23.07% | 3.03 | |
| ETWD | | | | 1.39 | 25.77% | 1.39 | Direct Outfall Only |
| CSJC | 2.47 | 23.91% | | | | 2.47 | Incudes Desalter |
| SMWD | 1.75 | 16.91% | | | | 1.75 | Includes Chiquita |
| CSC | 2.46 | 23.76% | | | | 2.46 | Direct Outfall Only |
| IRWD | | | | 1.02 | 18.88% | 1.02 | Direct Outfall Only |
| Total | 10.33 | 100.00% | 11.41 | 5.41 | 100.00% | 15.75 | |

SOCWA Operational Report July, 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 | 31.98% | 2.127 | 31.14% | 2.13 | 31.14% |
| MNWD | 3.00 | 23.08% | 1.400 | 21.12% | 1.400 | 20.49% | 1.40 | 20.49% |
| SCWD | 3.75 | 28.85% | 1.691 | 25.64% | 1.680 | 24.60% | 1.68 | 24.60% |
| SMWD | 2.25 | 17.31% | 1.100 | 21.27% | 1.624 | 23.77% | 1.62 | 23.77% |
| Total | 13.00 | 100.00% | 6.261 | 100.00% | 6.831 | 100.00% | 6.83 | 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 | 24.54% | 5,715 | 22.08% | 5,888 | 28.01% |
| MNWD | 8,340 | 21.62% | 3,859 | 18.70% | 7,093 | 27.41% | 5,636 | 26.81% |
| SCWD | 7,715 | 20.00% | 5,181 | 22.94% | 4,845 | 18.72% | 5,390 | 25.64% |
| SMWD | 10,946 | 28.38% | 6,122 | 33.82% | 8,228 | 31.79% | 4,108 | 19.54% |
| Total | 38,573 | 100.00% | 20,868 | 100.00% | 25,880 | 100.00% | 21,022 | 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 | 21.57% | 2.46 | 23.76% | | |
| CSJC | 11.08% | 2.460 | 20.01% | 2.47 | 23.91% | 2.13 | 31.14% |
| MNWD(3) | 15.51% | 2.115 | 17.16% | 1.78 | 17.19% | 1.40 | 20.49% |
| SCWD | 12.47% | 1.845 | 14.83% | 1.88 | 18.22% | 1.68 | 24.60% |
| SMWD | 44.32% | 2.855 | 26.43% | 1.75 | 16.91% | 1.62 | 23.77% |
| Total | 100.00% | 12.142 | 3.10% | 10.33 | 100.00% | 6.83 | 100.00% |

(1) Influent billing meter summary:

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

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

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

SOCWA Operational Report July, 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 | 2.455 | 23.76% | | |
| CSJC | 2.471 | 23.91% | 2.13 | 31.14% |
| MNWD | 1.777 | 17.19% | 1.40 | 20.49% |
| SCWD | 1.883 | 18.22% | 1.68 | 24.60% |
| SMWD | 1.748 | 16.91% | 1.62 | 23.77% |
| Total | 10.333 | 100.00% | 6.83 | 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 | 59.00% | 1.723 | 56.43% | 1.723 | 56.43% |
| EBSD | 0.20 | 2.99% | 0.050 | 1.67% | 0.123 | 4.04% | 0.123 | 4.04% |
| SCWD | 2.00 | 29.85% | 1.019 | 39.33% | 1.207 | 39.53% | 1.207 | 39.53% |
| 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% | 3.053 | 100.00% | 3.053 | 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 | 0.157% | 0.0000 | 0.0145 | 0.0145 | 0.19% | 0.0145 | 0.19% |
| EBSD | 0.00044 | 0.005% | 0.0000 | 0.0010 | 0.0010 | 0.01% | 0.0010 | 0.01% |
| SCWD | 0.00893 | 0.104% | 0.0000 | 0.0102 | 0.0102 | 0.13% | 0.0102 | 0.13% |
| ETWD | 0.01411 | 0.181% | 0.0000 | 0.0160 | 0.0160 | 0.20% | 0.0160 | 0.20% |
| MNWD | 7.55200 | 99.553% | 7.5520 | 0.0637 | 7.7818 | 99.47% | 7.7818 | 99.47% |
| Total | 7.58970 | 100.000% | 7.7181 | 0.1055 | 7.8235 | 100.00% | 7.8235 | 100.00% |

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

SOCWA Operational Report July, 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 | 12.48% | 144,426 | 13.75% | 144,426 | 13.75% |
| EBSD | 295 | 0.59% | 5,701 | 0.38% | 10,337 | 0.98% | 10,337 | 0.98% |
| SCWD | 4,480 | 8.96% | 180 | 8.62% | 101,173 | 9.63% | 101,173 | 9.63% |
| ETWD | 10,200 | 20.41% | 22,346 | 13.99% | 159,718 | 15.20% | 159,718 | 15.20% |
| MNWD | 29,395 | 58.82% | 3,626 | 64.52% | 634,780 | 60.43% | 634,780 | 60.43% |
| Total | 49,975 | 100.00% | 37,623 | 100.00% | 1,050,434 | 100.00% | 1,050,434 | 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% | 1.723 | 31.83% | 1.723 | 31.83% |
| EBSD | 0.780% | 0.05 | 0.47% | 0.123 | 2.28% | 0.123 | 2.28% |
| ETWD | 16.302% | 2.46 | 23.08% | 1.395 | 25.77% | 1.395 | 25.77% |
| IRWD | 15.760% | 2.48 | 23.26% | 1.022 | 18.88% | 1.022 | 18.88% |
| MNWD | 43.848% | 3.08 | 28.89% | 1.248 | 23.07% | 1.248 | 23.07% |
| SCWD | 12.310% | 0.70 | 6.57% | -0.099 | -1.84% | -0.099 | -1.84% |
| Total | 100.000% | 10.66 | 100.00% | 5.412 | 100.00% | 5.412 | 100.00% |

SOCWA Operational Report July, 2020

Select Critical Equipment Repairs

JBL - PC2

Fabricated and installed a new air line for the 4-Side Grit Tank which was previously failing.
Replaced a worn gearbox, drums, belt and support rollers for the Headworks 2 conveyor system.
Replaced an extensive section of piping for Waste Gas Burner which is becoming extremely corroded.
Installed new protective provisions around employee desk and workspaces for COVID-19.
Replaced and installed new Ferric Pump which had previously failed.
Repaired a broken arm for DAFT 2 which had become extremely corroded.
Installed a new idler gear on Secondary 1 due to aging and unreliability.
Installed a new flow regulator and performed extensive pipe repairs on DAFT 1 to help ensure functional operations until it is rehabilitated under the ongoing Package B Project.

CTP - PC15

Performed bypass and cleaning maintenance of drifting South Coast Water District Influent Flow Meter.
Replaced batteries for the emergency generator which is due every 3 years.
Replaced Blower Motor 2 which failed.
Installed a new rubber expansion joint for Waste Pump 3 which had undergone plastic deformation.
Troubleshoot DPS Pump Station level indicator which had stopped functioning.
Replaced the East Secondary bleach fittings which had become corroded and brittle.
Utilized the Jetter to clear out both the scrubber and grit room drain line.
Reconditioned the West Secondary influent stop blocks with new rubber seals.

RTP - PC17

Installed a new 3WHP flow meter, this required extensive re-piping and fabricated a new viewing platform.
Installed new isolation and check valves on 3WHP Pumps 1 and 2 which were causing unreliable operation.
Rebuilt Digester 2 Sludge Recirculation Pump which had reoccurring clogging issues.
Performed repairs and re-piping of 3WHP line to centrifuge polymer feeders to support the ongoing construction project.
Installed new auto-greasers on centrifuge conveyors which had failed.
Repaired the bleach line on Scrubber 1 which was leaking.
Removed and replaced AWT Chlorine Control Sample Pump which starting leaking.

Support Services - ALL PC'S

Performed Allen Bradley Programming Certifications and SCADA Equipment at all three plants.
Installed SCADA screen upgrades and standardizations at the Coastal Treatment Plant.
Conducted factory test of Polymer Panel at the Regional Treatment Plant.
Completed wiring relocation project of Plant 1 Headworks at the JB Latham Treatment Plant.
Performed flare troubleshooting and support for Package B support at the JB Latham Treatment Plant.
Completed PLC Program backups at all three treatment plants.
Reevaluated digester dome pressure programing on Digesters 1-4 to account for construction projects at the JB Latham Treatment Plant.
Installed new LED lighting at the AWT for the Coastal Treatment Plant.

SOCWA Operational Report July, 2020 (cont'd)

Select Critical Equipment Repairs

Reset and adjusted Headworks conveyer controls at the JB Latham Treatment Plant.
Installed lighting upgrades in the sludge pumping area of the Coastal Treatment Plant.
Relocated solids probes at the Coastal Treatment Plant to a more accessible site.
Replaced low-pressure blower motor at the Coastal Treatment Plant.
Repaired lighting in the engine bay at the Regional Treatment Plant.
Relocated control wiring for 9-Side Headworks at the JB Latham Treatment Plant to support Package B Project.
Replaced failed 4-Side VAPEX display at the JB Latham Treatment Plant.
Wired and unwired motor for building the Interstage Pump Maintenance at the Regional Treatment Plant.
Troubleshoot Blower 3 high winding temperature alarms at the Regional Treatment Plant.
Installed 3WHP flow meters at the Regional Treatment Plant.
Troubleshoot exhaust fan for Maintenance Shop at the Regional Treatment Plant.
Performed manual tuning of Steuler SCR at the JB Latham Treatment Plant due to failed O₂ sensor.
Troubleshoot CEMS inlet calibration issue at the Regional Treatment Plant.
Replaced broken ball valve leaking oil on the JBL engine.

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

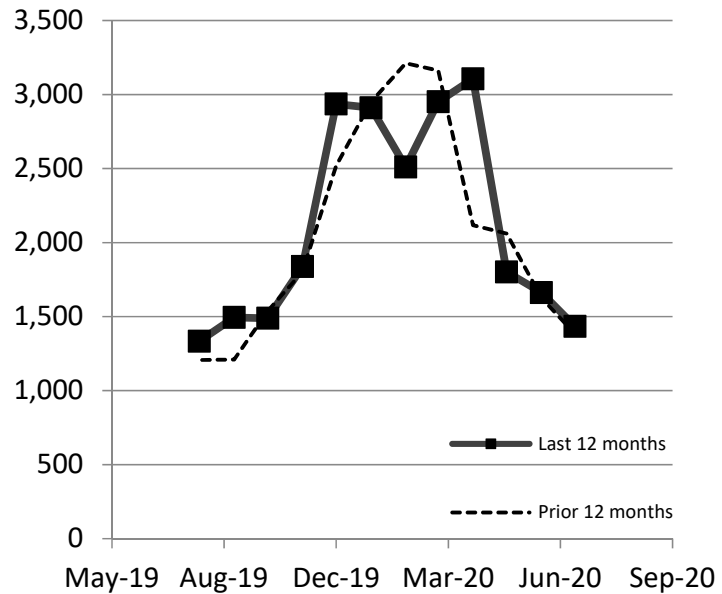
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report July, 2020

| Agency | SJCOO (mgd) | SJCOO (%) | ACOO (mgd) | ACOO (%) | Total (mgd) |
|----------------------------------|--------------|----------------|-------------|----------------|--------------|
| CLB | | | 1.72 | 31.83% | 1.72 |
| EBSD | | | 0.12 | 2.28% | 0.12 |
| SCWD | 1.88 | 18.22% | -0.10 | -1.84% | 1.78 |
| MNWD | 1.78 | 17.19% | 1.25 | 23.07% | 3.03 |
| ETWD | | | 1.39 | 25.77% | 1.39 |
| CSJC | 2.47 | 23.91% | | | 2.47 |
| SMWD | 1.75 | 16.91% | | | 1.75 |
| CSC | 2.46 | 23.76% | | | 2.46 |
| IRWD | | | 1.02 | 18.88% | 1.02 |
| Total | 10.33 | 100.00% | 5.41 | 100.00% | 15.75 |
| or Acre-Feet per year equivalent | | | | | 17,635 |

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

| | |
|--------------|---------------|
| 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 | 1,489 |
| Sep-19 | 1,495 |
| Aug-19 | 1,334 |
| Total | 25,472 |



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

July 2020

| DATE | IRWD LOS ALISOS WRP | | | | EL TORO WRP | | | | SOCWA REGIONAL PLANT | | | | SOCWA COASTAL PLANT | | | | IRWD IDP | IRWD SGU | SCWD ACWRF | ACOO | Rain Fall |
|----------|------------------------|-------------|--------------|------------|-------------|-------------|--------------|------------|-------------------------|-------------|--------------|------------|------------------------|-------------|--------------|------------|-------------|-------------|---------------|-------------|--------------|
| | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | FLOW MGD | FLOW MGD | FLOW MGD | inches |
| 07/01/20 | No Flow | | | | 2.321 | 9.8 | 4.4 | 0.1 | 3.830 | 3.4 | 3.0 | 0.1 | 1.229 | 8.2 | 8.0 | <0.1 | 0.415 | 0.633 | 0.101 | 8.529 | 0.00 |
| 07/02/20 | No Flow | | | | 1.194 | 11.6 | 5.4 | 0.1 | 0.98 | 6.2 | 4.0 | 0.1 | 1.503 | 10.8 | 8.0 | 0.1 | 0.415 | 0.633 | 0.101 | 4.826 | 0.00 |
| 07/03/20 | No Flow | | | | 1.618 | 10.0 | 4.8 | 0.1 | 1.190 | 3.7 | 3.0 | 0.2 | 1.847 | 13.6 | 9.0 | 0.1 | 0.397 | 0.632 | 0.099 | 5.783 | 0.01 |
| 07/04/20 | No Flow | | | | 1.621 | 9.0 | | 0.1 | 2.170 | 3.5 | 3.0 | | 1.982 | 9.1 | 10.0 | | 0.389 | 0.633 | 0.099 | 6.894 | 0.00 |
| 07/05/20 | No Flow | | | | 1.612 | 11.4 | | <0.1 | 0.740 | 5.8 | 4.0 | <0.1 | 2.081 | 19.8 | 10.0 | | 0.389 | 0.631 | 0.108 | 5.561 | 0.00 |
| 07/06/20 | No Flow | | | | 1.841 | 12.2 | 5.5 | 0.1 | 2.300 | 6.0 | 8.0 | 0.1 | 2.371 | 5.0 | 8.0 | <0.1 | 0.389 | 0.632 | 0.072 | 7.605 | 0.00 |
| 07/07/20 | No Flow | | | | 1.160 | 14.4 | 6.1 | 0.1 | 0.570 | 8.2 | 3.0 | 0.1 | 1.819 | 12.4 | 8.0 | <0.1 | 0.389 | 0.631 | 0.108 | 4.677 | 0.00 |
| 07/08/20 | No Flow | | | | 1.615 | 11.8 | 4.7 | 0.1 | 0.510 | 6.1 | 3.0 | <0.1 | 1.677 | 9.9 | 7.0 | 0.3 | 0.389 | 0.630 | 0.099 | 4.920 | 0.00 |
| 07/09/20 | No Flow | | | | 1.442 | 10.0 | 4.0 | 0.1 | 0.700 | 5.7 | 2.0 | 0.2 | 1.392 | 7.7 | 7.0 | 0.2 | 0.389 | 0.629 | 0.121 | 4.673 | 0.00 |
| 07/10/20 | No Flow | | | | 1.404 | 9.6 | 4.0 | 0.1 | 1.770 | 3.5 | 5.0 | 0.2 | 1.862 | 9.9 | 7.0 | 0.1 | 0.389 | 0.629 | 0.083 | 6.137 | 0.00 |
| 07/11/20 | No Flow | | | | 0.929 | 11.8 | 5.5 | <0.1 | 1.140 | 4.5 | 4.0 | | 1.829 | 23.3 | 12.0 | | 0.387 | 0.627 | 0.128 | 5.040 | 0.00 |
| 07/12/20 | No Flow | | | | 1.027 | 11.4 | 5.6 | <0.1 | 2.020 | 4.4 | 3.0 | 0.1 | 1.918 | 13.6 | 9.0 | | 0.387 | 0.627 | 0.067 | 6.046 | 0.00 |
| 07/13/20 | No Flow | | | | 1.626 | 11.8 | 4.0 | <0.1 | 1.760 | 5.0 | 2.0 | <0.1 | 2.003 | 11.7 | 6.0 | <0.1 | 0.387 | 0.627 | 0.110 | 6.513 | 0.00 |
| 07/14/20 | No Flow | | | | 1.751 | 11.8 | 4.4 | <0.1 | 0.590 | 8.4 | 7.0 | <0.1 | 1.940 | 9.6 | 9.0 | <0.1 | 0.387 | 0.641 | 0.090 | 5.399 | 0.00 |
| 07/15/20 | No Flow | | | | 1.231 | 10.8 | 4.1 | <0.1 | 0.650 | 4.5 | 3.0 | <0.1 | 1.360 | 5.8 | 5.0 | 0.2 | 0.388 | 0.637 | 0.085 | 4.351 | 0.00 |
| 07/16/20 | No Flow | | | | 1.347 | 10.6 | 3.5 | <0.1 | 0.590 | 3.6 | 3.0 | 0.1 | 1.340 | 4.5 | 4.0 | 0.1 | 0.387 | 0.633 | 0.069 | 4.366 | 0.00 |
| 07/17/20 | No Flow | | | | 0.880 | 7.4 | 3.2 | <0.1 | 1.110 | 3.3 | 3.0 | 0.1 | 1.639 | 5.8 | 4.0 | 0.1 | 0.387 | 0.632 | 0.122 | 4.770 | 0.00 |
| 07/18/20 | No Flow | | | | 1.489 | 14.8 | | <0.1 | 0.610 | 3.3 | 3.0 | | 1.548 | 4.1 | 3.0 | <0.1 | 0.387 | 0.629 | 0.102 | 4.765 | 0.00 |
| 07/19/20 | No Flow | | | | 1.568 | 11.6 | | <0.1 | 1.210 | 2.8 | 4.0 | <0.1 | 1.747 | 9.6 | 6.0 | <0.1 | 0.387 | 0.627 | 0.082 | 5.621 | 0.00 |
| 07/20/20 | No Flow | | | | 1.626 | 12.0 | 5.0 | <0.1 | 2.550 | 5.8 | 4.0 | <0.1 | 2.419 | 8.3 | 4.0 | 0.2 | 0.387 | 0.626 | 0.100 | 7.708 | 0.00 |
| 07/21/20 | No Flow | | | | 1.295 | 10.2 | 4.0 | 0.1 | 0.660 | 3.8 | 3.0 | <0.1 | 2.315 | 7.4 | 5.0 | 0.1 | 0.386 | 0.624 | 0.108 | 5.388 | 0.00 |
| 07/22/20 | No Flow | | | | 1.158 | 12.2 | 5.2 | 0.1 | 1.920 | 3.3 | 3.0 | <0.1 | 1.627 | 7.7 | 4.0 | 0.1 | 0.404 | 0.623 | 0.091 | 5.823 | 0.00 |
| 07/23/20 | No Flow | | | | 1.074 | 10.2 | 4.6 | 0.1 | 1.120 | 3.3 | 3.0 | 0.1 | 1.362 | 10.0 | 5.0 | 0.1 | 0.412 | 0.621 | 0.123 | 4.712 | 0.00 |
| 07/24/20 | No Flow | | | | 0.985 | 12.6 | 5.5 | 0.2 | 0.880 | 4.2 | 3.0 | 0.1 | 1.362 | 6.6 | 4.0 | 0.1 | 0.413 | 0.622 | 0.100 | 4.362 | 0.00 |
| 07/25/20 | No Flow | | | | 1.504 | 9.6 | | 0.1 | 0.580 | 4.5 | 3.0 | 0.1 | 1.841 | 13.7 | 8.0 | 2.8 | 0.413 | 0.620 | 0.098 | 5.056 | 0.00 |
| 07/26/20 | No Flow | | | | 1.323 | 10.6 | | 0.1 | 1.540 | 2.8 | 4.0 | 0.1 | 1.836 | 9.2 | 5.0 | | 0.412 | 0.607 | 0.086 | 5.804 | 0.00 |
| 07/27/20 | No Flow | | | | 1.926 | 11.0 | 4.4 | 0.1 | 2.800 | 4.2 | 4.0 | <0.1 | 1.902 | 8.9 | 5.0 | <0.1 | 0.412 | 0.588 | 0.096 | 7.724 | 0.00 |
| 07/28/20 | No Flow | | | | 1.442 | 10.2 | 4.2 | 0.1 | 0.430 | 7.6 | 3.0 | <0.1 | 1.839 | 17.2 | 4.0 | 0.1 | 0.412 | 0.592 | 0.084 | 4.799 | 0.00 |
| 07/29/20 | No Flow | | | | 1.391 | 9.8 | 4.0 | 0.1 | 0.560 | 6.0 | 3.0 | <0.1 | 1.822 | 3.9 | 4.0 | 0.1 | 0.413 | 0.588 | 0.090 | 4.864 | 0.00 |
| 07/30/20 | No Flow | | | | 1.088 | 9.6 | 3.7 | <0.1 | 0.480 | 4.6 | 3.0 | 0.1 | 1.205 | 7.1 | 5.0 | 0.3 | 0.299 | 0.588 | 0.119 | 3.779 | 0.00 |
| 07/31/20 | No Flow | | | | 0.756 | 8.0 | 3.2 | 0.1 | 0.740 | 4.8 | 2.0 | 0.1 | 1.539 | 6.3 | 6.0 | 0.2 | 0.639 | 0.553 | 0.108 | 4.335 | 0.00 |
| AVG | No Flow | | | | 1.395 | 10.9 | 4.5 | <0.1 | 1.248 | 4.7 | 3.5 | <0.1 | 1.747 | 9.7 | 6.4 | <0.2 | 0.401 | 0.621 | 0.098 | 5.511 | |
| TOTAL | No Flow | | | | 43.24 | | | | 38.70 | | | | 54.16 | | | | 12.44 | 19.25 | 3.049 | 170.83 | 0.01 |

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 0713
 Weather: Drizzle
 COMMENTS: No Outlets were flowing.

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 07/01/20 | 915 | <10 | <10 | 2 | None | None | None | None | Green | 66 | Turbid | | |
| S4 | 07/01/20 | 850 | 100 | <10 | 8 | None | None | None | None | Green | | Turbid | | |
| S5 | 07/01/20 | 840 | <10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S6 | 07/01/20 | 825 | <10 | 10 | 6 | None | None | None | None | Green | | Turbid | | |
| WEST | 07/01/20 | 820 | <10 | <10 | 4 | None | None | None | None | Green | | Turbid | | |
| S7 | 07/01/20 | 815 | <10 | <10 | 2 | None | None | None | None | Green | | Turbid | | |
| S8 | 07/01/20 | 810 | <10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S9 | 07/01/20 | 750 | <10 | 10 | 6 | None | None | None | None | Green | | Turbid | | |
| ACM1 | 07/01/20 | 745 | <10 | 10 | 4 | None | None | None | None | Green | | Turbid | | |
| S10 | 07/01/20 | 720 | 100 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S11 | 07/01/20 | 715 | <10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S12 | 07/01/20 | 710 | <10 | <10 | <2 | 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: July 2020
 REPORT DUE: September 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 0538

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 | 07/07/20 | 930 | <10 | <10 | <2 | None | None | None | None | Green | 65 | Turbid | | |
| S4 | 07/07/20 | 0900 | <10 | 100 | <2 | None | None | None | None | Green | | Turbid | | |
| S5 | 07/07/20 | 0845 | 10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S6 | 07/07/20 | 0830 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 07/07/20 | 0820 | <10 | <10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S7 | 07/07/20 | 0815 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 07/07/20 | 0810 | <10 | <10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 07/07/20 | 0755 | <10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| ACM1 | 07/07/20 | 0750 | <10 | <10 | <2 | None | None | None | None | Green | | Turbid | | |
| S10 | 07/07/20 | 0735 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S11 | 07/07/20 | 0725 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S12 | 07/07/20 | 0720 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 1135

Weather: Clear

COMMENTS:

0.0

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 07/15/20 | 950 | <10 | <10 | <2 | None | None | None | None | Green | 67 | Clear | | |
| S4 | 07/15/20 | 1215 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S5 | 07/15/20 | 1200 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S6 | 07/15/20 | 1130 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| WEST | 07/15/20 | 1120 | 10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S7 | 07/15/20 | 1115 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S8 | 07/15/20 | 1105 | <10 | <10 | 2 | None | None | None | None | Blue | | Clear | | |
| S9 | 07/15/20 | 1050 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| ACM1 | 07/15/20 | 1045 | 10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S10 | 07/15/20 | 1035 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S11 | 07/15/20 | 1025 | <10 | <10 | <2 | None | None | None | None | Green | | Clear | | |
| S12 | 07/15/20 | 1010 | 10 | 10 | <2 | None | None | None | None | Green | | Clear | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 0513

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 | 07/22/20 | 0930 | 10 | <10 | <2 | None | None | None | None | Green | 73 | Slightly Turbid | | |
| S4 | 07/22/20 | 0910 | <10 | <10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 07/22/20 | 0900 | 20 | 10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S6 | 07/22/20 | 0845 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 07/22/20 | 0840 | 10 | 10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S7 | 07/22/20 | 0835 | <10 | <10 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 07/22/20 | 0830 | 10 | <10 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 07/22/20 | 0750 | 300 | 80 | 104 | None | None | None | None | Green | | Turbid | Flowing | |
| ACM1 | 07/22/20 | 0755 | 300 | 280 | 420 | None | None | None | None | Green | | Turbid | Flowing | |
| S10 | 07/22/20 | 0735 | <10 | <10 | 12 | None | None | None | None | Green | | Clear | | |
| S11 | 07/22/20 | 0730 | <10 | 10 | 2 | None | None | None | None | Green | | Clear | | |
| S12 | 07/22/20 | 0725 | 10 | 20 | 2 | None | None | None | None | Green | | Clear | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 0615

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 | 07/29/20 | 0917 | <10 | <10 | <2 | None | None | None | None | Green | 74 | Slightly Turbid | | |
| S4 | 07/29/20 | 0855 | 20 | 10 | 20 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 07/29/20 | 0845 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S6 | 07/29/20 | 0825 | 40 | 30 | 4 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 07/29/20 | 0820 | <10 | <10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S7 | 07/29/20 | 0815 | <10 | <10 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 07/29/20 | 0810 | <10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 07/29/20 | 0750 | <10 | 20 | 2 | None | None | None | None | Green | | Slightly Turbid | Flowing | |
| ACM1 | 07/29/20 | 0745 | 500 | 80 | 38 | None | None | None | None | Green | | Slightly Turbid | Flowing | |
| S10 | 07/29/20 | 0720 | 10 | 10 | 2 | None | None | None | None | Green | | Slightly Turbid | | 30 |
| S11 | 07/29/20 | 0710 | 10 | <10 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S12 | 07/29/20 | 0705 | 20 | 10 | 26 | 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.

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 |

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



MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

REPORT FOR: July 2020

REPORT DUE: September 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: Low Tide 656

| 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 | 07/08/20 | <2 | <2 | <2 | 755 | 0 | 0 | |
| A-1 | Mid depth | 07/08/20 | 130 | 60 | 10 | | | | |
| A-2 | Surface | 07/08/20 | <2 | <2 | <2 | 742 | 0 | 0 | |
| A-2 | Mid depth | 07/08/20 | 100 | 70 | 30 | | | | |
| A-3 | Surface | 07/08/20 | <2 | <2 | <2 | 746 | 0 | 0 | |
| A-3 | Mid depth | 07/08/20 | 160 | 80 | 20 | | | | |
| A-4 | Surface | 07/08/20 | <2 | <2 | <2 | 800 | 0 | 0 | |
| A-4 | Mid depth | 07/08/20 | 180 | 30 | 40 | | | | |
| A-5 | Surface | 07/08/20 | <2 | <2 | <2 | 750 | 0 | 0 | |
| A-5 | Mid depth | 07/08/20 | 150 | 50 | 40 | | | | |
| B-1 | Surface | 07/08/20 | <2 | 2 | <2 | 735 | 0 | 0 | |
| B-1 | Mid depth | 07/08/20 | 50 | 20 | <10 | | | | |
| B-2 | Surface | 07/08/20 | <2 | <2 | <2 | 808 | 0 | 0 | |
| B-2 | Mid depth | 07/08/20 | 170 | 50 | <10 | | | | |
| N1 | Surface | 07/08/20 | 2 | <2 | <2 | 824 | 0 | 0 | |
| N2 | Surface | 07/08/20 | <2 | <2 | <2 | 822 | 0 | 0 | |
| N3 | Surface | 07/08/20 | <2 | <2 | <2 | 821 | 0 | 0 | |
| N4 | Surface | 07/08/20 | <2 | <2 | <2 | 820 | 0 | 0 | |
| N5 | Surface | 07/08/20 | <2 | <2 | <2 | 819 | 0 | 0 | |
| N6 | Surface | 07/08/20 | 2 | <2 | <2 | 818 | 0 | 0 | |
| N7 | Surface | 07/08/20 | 2 | <2 | <2 | 816 | 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

July 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 |
| 07/01/20 | 6.140 | 7.3 | 5.1 | <0.1 | 2.623 | 3.6 | 8.0 | <0.1 | 0.370 | 4.3 | 3.8 | 0.1 | 1.177 | 10.4 | 9.0 | ND | 0.110 | 0.201 | 10.430 | 0.00 |
| 07/02/20 | 6.340 | 9.0 | 5.0 | 0.2 | 3.007 | 3.8 | 8.0 | <0.1 | 0.010 | 8.6 | 8.3 | 0.1 | 1.506 | 12.0 | 10.8 | ND | 0.302 | 0.205 | 11.740 | 0.00 |
| 07/03/20 | 6.400 | 12.8 | 6.2 | 0.1 | 3.057 | 4.2 | 7.0 | <0.1 | 0.010 | 7.8 | 6.4 | 0.1 | 1.533 | | | ND | 0.418 | 0.201 | 12.310 | 0.01 |
| 07/04/20 | 6.510 | 2.8 | 3.2 | | 2.161 | | | | 0.000 | | | | 1.441 | | | | 0.417 | 0.201 | 11.860 | 0.00 |
| 07/05/20 | 6.470 | 18.6 | 11.8 | | 2.791 | | | | 0.000 | | | | 1.395 | 5.4 | 5.0 | | 0.419 | 0.205 | 11.880 | 0.00 |
| 07/06/20 | 6.460 | 17.4 | 9.3 | <0.1 | 2.729 | 4.5 | 6.0 | <0.1 | 0.070 | 3.1 | 7.5 | <0.1 | 1.534 | 7.2 | 6.8 | ND | 0.417 | 0.201 | 12.270 | 0.00 |
| 07/07/20 | 6.570 | 11.5 | 6.6 | 0.1 | 2.624 | 4.4 | 8.0 | <0.1 | 0.470 | 5.2 | 7.9 | 0.8 | 0.142 | 8.4 | 7.7 | ND | 0.158 | 0.202 | 12.130 | 0.00 |
| 07/08/20 | 6.290 | 7.8 | 5.8 | 0.1 | 2.741 | 4.2 | 5.0 | <0.1 | 0.010 | 4.5 | 5.4 | <0.1 | 0.025 | 9.0 | 8.2 | ND | 0.000 | 0.204 | 10.460 | 0.00 |
| 07/09/20 | 6.510 | 9.7 | 5.0 | 0.1 | 2.441 | 4.0 | 4.0 | <0.1 | 0.010 | 3.6 | 4.1 | <0.1 | 0.016 | 10.8 | 9.1 | ND | 0.078 | 0.203 | 9.710 | 0.00 |
| 07/10/20 | 6.130 | 5.5 | 5.0 | 0.1 | 2.195 | 10.0 | 8.0 | <0.1 | 0.010 | 3.4 | 4.8 | <0.1 | 0.018 | | | ND | 0.412 | 0.200 | 8.850 | 0.00 |
| 07/11/20 | 6.470 | 3.4 | 4.5 | | 2.076 | | | | 0.290 | | | | 0.003 | | | | 0.410 | 0.205 | 9.680 | 0.00 |
| 07/12/20 | 6.550 | 7.3 | 6.6 | | 2.703 | | | | 0.870 | 3.7 | 4.6 | <0.1 | 0.080 | 11.6 | 10.2 | | 0.410 | 0.200 | 10.570 | 0.00 |
| 07/13/20 | 6.470 | 9.9 | 6.4 | <0.1 | 2.602 | 9.0 | 7.0 | <0.1 | 0.030 | 5.9 | 4.8 | <0.1 | 0.013 | 13.2 | 11.5 | ND | 0.409 | 0.201 | 11.660 | 0.00 |
| 07/14/20 | 6.950 | 7.3 | 6.7 | <0.1 | 2.783 | 3.6 | 6.0 | <0.1 | 0.340 | 3.9 | 4.2 | 0.1 | 0.022 | 12.6 | 10.4 | ND | 0.409 | 0.205 | 9.680 | 0.00 |
| 07/15/20 | 6.990 | 10.4 | 5.5 | 0.1 | 2.361 | 3.9 | 3.0 | <0.1 | 0.070 | 2.7 | 3.0 | <0.1 | 0.058 | 14.0 | 11.2 | ND | 0.344 | 0.202 | 10.060 | 0.00 |
| 07/16/20 | 6.930 | 6.7 | 5.0 | 0.1 | 2.260 | 3.7 | 3.0 | <0.1 | 0.060 | 2.2 | 2.7 | <0.1 | 0.538 | 11.4 | 9.6 | ND | 0.399 | 0.205 | 9.910 | 0.00 |
| 07/17/20 | 6.770 | 7.9 | 5.2 | 0.1 | 2.025 | 4.5 | 3.0 | <0.1 | 0.040 | 3.4 | 2.8 | <0.1 | 0.175 | | | ND | 0.400 | 0.201 | 9.670 | 0.00 |
| 07/18/20 | 6.930 | 8.7 | 6.0 | | 2.193 | | | | 0.010 | 2.6 | 2.5 | <0.1 | 0.347 | | | | 0.402 | 0.200 | 9.990 | 0.00 |
| 07/19/20 | 6.970 | 7.2 | 6.2 | <0.1 | 2.891 | | | | 0.390 | 2.2 | 2.3 | <0.1 | 0.821 | 11.2 | 10.6 | | 0.403 | 0.205 | 9.840 | 0.00 |
| 07/20/20 | 6.870 | 8.0 | 6.0 | 0.2 | 2.134 | 5.5 | 7.0 | <0.1 | 0.230 | 4.2 | 7.7 | <0.1 | 0.665 | 10.4 | 8.8 | ND | 0.403 | 0.201 | 11.320 | 0.00 |
| 07/21/20 | 6.800 | 12.6 | 7.8 | <0.1 | 2.732 | 4.2 | 8.0 | <0.1 | 0.380 | 5.0 | 8.2 | 0.2 | 0.029 | 8.8 | 7.6 | ND | 0.402 | 0.206 | 10.870 | 0.00 |
| 07/22/20 | 6.760 | 9.6 | 8.4 | 0.1 | 2.127 | 3.4 | 2.0 | <0.1 | 0.010 | 3.3 | 3.6 | <0.1 | 0.009 | 13.0 | 11.4 | ND | 0.325 | 0.197 | 10.440 | 0.00 |
| 07/23/20 | 7.060 | 9.1 | 6.0 | <0.1 | 2.129 | 3.4 | 2.0 | <0.1 | 0.010 | 2.4 | 2.8 | <0.1 | 0.015 | 11.8 | 9.6 | ND | 0.360 | 0.200 | 9.600 | 0.00 |
| 07/24/20 | 6.840 | 6.8 | 6.2 | 0.2 | 2.292 | 10.4 | 7.0 | <0.1 | 0.010 | 2.1 | 2.3 | <0.1 | 0.018 | | | ND | 0.353 | 0.205 | 9.400 | 0.00 |
| 07/25/20 | 6.850 | 3.2 | 3.2 | 0.2 | 2.071 | | | | 0.000 | | | | 0.014 | | | | 0.354 | 0.202 | 9.270 | 0.00 |
| 07/26/20 | 6.930 | 8.0 | 6.8 | | 2.651 | 6.4 | 3.0 | <0.1 | 0.000 | | | | 0.009 | 9.2 | 9.3 | | 0.363 | 0.201 | 9.460 | 0.00 |
| 07/27/20 | 6.990 | 13.2 | 8.5 | 0.2 | 2.471 | 4.2 | 4.0 | <0.1 | 0.010 | 2.4 | 7.7 | <0.1 | 0.022 | 7.6 | 6.8 | ND | 0.360 | 0.205 | 9.730 | 0.00 |
| 07/28/20 | 6.910 | 11.6 | 7.0 | 0.1 | 2.401 | 3.8 | 5.0 | <0.1 | 0.080 | 3.1 | 8.8 | 0.4 | 0.015 | 6.6 | 5.8 | ND | 0.358 | 0.201 | 9.700 | 0.00 |
| 07/29/20 | 6.970 | 9.8 | 6.2 | 0.1 | 2.525 | 4.2 | 8.0 | <0.1 | 0.010 | 3.4 | 3.9 | <0.1 | 0.011 | 10.0 | 8.8 | ND | 0.357 | 0.206 | 9.860 | 0.00 |
| 07/30/20 | 6.810 | 8.1 | 5.3 | 0.1 | 1.938 | 4.4 | 9.0 | <0.1 | 0.010 | 2.4 | 3.0 | <0.1 | 0.011 | 7.8 | 6.6 | ND | 0.356 | 0.201 | 9.400 | 0.00 |
| 07/31/20 | 6.740 | 8.5 | 5.3 | 0.1 | 2.371 | 4.0 | 8.0 | <0.1 | 0.020 | 2.6 | 2.8 | <0.1 | 0.018 | | | ND | 0.355 | 0.202 | 9.310 | 0.00 |
| AVG | 6.690 | 9.0 | 6.2 | <0.1 | 2.455 | 4.9 | 5.8 | <0.1 | 0.124 | 3.8 | 4.8 | <0.1 | 0.377 | 10.1 | 8.9 | ND | 0.344 | 0.202 | 10.357 | |
| TOTAL | 207.380 | | | | 76.105 | | | | 3.830 | | | | 11.680 | | | | 10.663 | 6.274 | 321.060 | 0.01 |

REPORT FOR: July 2020
 REPORT DUE: September 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 0713

Weather: Drizzle

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 | 07/01/20 | 1055 | <20 | <20 | 4 | None | None | None | None | Brown | 67 | Turbid | | 50 |
| S1 | 07/01/20 | 1110 | <20 | <20 | 2 | None | None | None | None | Brown | | Turbid | | |
| S2 | 07/01/20 | 1050 | <20 | <20 | 2 | None | None | None | None | Brown | | Turbid | | |
| DSB5 | 07/01/20 | 1045 | 20 | <20 | 20 | None | None | None | None | Brown | | Turbid | | |
| S3 | 07/01/20 | 1120 | <20 | <20 | <2 | None | None | None | None | Brown | | Turbid | | |
| DSB4 | 07/01/20 | 1130 | <20 | <20 | <2 | None | None | None | None | Brown | | Turbid | | |
| S5 | 07/01/20 | 1155 | <20 | <20 | 20 | None | None | None | None | Brown | | Turbid | | |
| DSB1 | 07/01/20 | 1205 | 20 | <20 | 20 | None | None | None | None | Green | | Turbid | | |
| SJC1 | 07/01/20 | 1100 | 40 | <20 | 2 | None | None | None | None | Brown | | Turbid | | |

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 0618

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 | 07/08/20 | 623 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | 100 |
| S1 | 07/08/20 | 703 | <20 | <20 | 2 | None | None | None | None | Green | 61 | Slightly Turbid | | |
| S2 | 07/08/20 | 615 | <20 | <20 | 4 | None | None | None | None | Green | | Clear | | 1 |
| DSB5 | 07/08/20 | 606 | <20 | 20 | 40 | None | None | None | None | Green | 61 | Clear | | 3 |
| S3 | 07/08/20 | 713 | 20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB4 | 07/08/20 | 715 | <20 | <20 | 4 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| S5 | 07/08/20 | 725 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB1 | 07/08/20 | 729 | <20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| C1 | 07/08/20 | 626 | <20 | <20 | 2 | None | None | None | None | Green | 66 | 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.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 1044
 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 | 07/14/20 | 800 | <20 | <20 | <2 | None | None | None | None | Green | 68 | Slightly Turbid | | |
| S1 | 07/14/20 | 815 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 07/14/20 | 750 | <20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB5 | 07/14/20 | 739 | <20 | <20 | <2 | None | None | None | None | Green | 67 | Slightly Turbid | | |
| S3 | 07/14/20 | 817 | <20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB4 | 07/14/20 | 818 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 07/14/20 | 830 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB1 | 07/14/20 | 840 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| C1 | 07/14/20 | 804 | <100 | <100 | <10 | None | None | None | None | Green | | Slightly Turbid | | |

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: July 2020
 REPORT DUE: September 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 552

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 | 07/22/20 | 745 | 20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S1 | 07/22/20 | 755 | 20 | 20 | 8 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 07/22/20 | 725 | 200 | 80 | 26 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB5 | 07/22/20 | 715 | 400 | 80 | 26 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| S3 | 07/22/20 | 805 | 160 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB4 | 07/22/20 | 810 | 40 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 07/22/20 | 825 | 20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB1 | 07/22/20 | 845 | <20 | <20 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| C1 | 07/22/20 | 740 | 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.

REPORT FOR: July 2020
 REPORT DUE: September 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 615

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 | 07/29/20 | 805 | <20 | 40 | <2 | None | None | None | None | Green | 67 | Slightly Turbid | | |
| S1 | 07/29/20 | 815 | <20 | <20 | <2 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 07/29/20 | 750 | <20 | <20 | 8 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB5 | 07/29/20 | 740 | <200 | <20 | 8 | None | None | None | None | Green | | Turbid | | |
| S3 | 07/29/20 | 825 | 20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB4 | 07/29/20 | 835 | 40 | <20 | 4 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 07/29/20 | 845 | 60 | <20 | 58 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB1 | 07/29/20 | 900 | 100 | 400 | 220 | None | None | None | None | Green | | Slightly Turbid | | |
| C1 | 07/29/20 | 800 | <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.

San Juan Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

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

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



MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

REPORT FOR: July 2020

REPORT FREQUENCY: Monthly

REPORT DUE: September 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: Low Tide 656

| 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 | 07/08/20 | 30 | <2 | 4 | 921 | 0 | 0 | 0 - None |
| A-1 | Mid depth | 07/08/20 | <10 | <10 | <10 | | | | 1 - Mild |
| A-2 | Surface | 07/08/20 | <2 | <2 | <2 | 926 | 0 | 0 | 2 - Moderate |
| A-2 | Mid depth | 07/08/20 | 10 | <10 | <10 | | | | 3 - Severe |
| A-3 | Surface | 07/08/20 | <2 | <2 | <2 | 930 | 0 | 0 | |
| A-3 | Mid depth | 07/08/20 | <10 | <10 | <10 | | | | |
| A-4 | Surface | 07/08/20 | <2 | <2 | <2 | 937 | 0 | 0 | |
| A-4 | Mid depth | 07/08/20 | 10 | <10 | <10 | | | | |
| A-5 | Surface | 07/08/20 | <2 | <2 | <2 | 934 | 0 | 0 | |
| A-5 | Mid depth | 07/08/20 | <10 | 10 | <10 | | | | |
| B-1 | Surface | 07/08/20 | <2 | <2 | <2 | 915 | 0 | 0 | |
| B-1 | Mid depth | 07/08/20 | <10 | <10 | <10 | | | | |
| B-2 | Surface | 07/08/20 | 4 | <2 | <2 | 945 | 0 | 0 | |
| B-2 | Mid depth | 07/08/20 | 30 | 30 | <10 | | | | |
| N1 | Surface | 07/08/20 | <2 | <2 | <2 | 910 | 0 | 0 | |
| N2 | Surface | 07/08/20 | <2 | <2 | <2 | 903 | 0 | 0 | |
| N3 | Surface | 07/08/20 | <2 | <2 | <2 | 900 | 0 | 0 | |
| N4 | Surface | 07/08/20 | 6 | <2 | <2 | 856 | 0 | 0 | |
| N5 | Surface | 07/08/20 | <2 | <2 | <2 | 853 | 0 | 0 | |
| N6 | Surface | 07/08/20 | <2 | <2 | <2 | 850 | 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 | |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Jul 31, 2020

| 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 | 862 | 759 | 841 | 990 | 955 | 1,131 | 897 |
| Chloride | mg/L | 375 | 235 | 184 | 138 | 319 | 211 | 246 | 214 |
| Sulfate | mg/L | 400 | 240 | 245 | 202 | 246 | 248 | 329 | 263 |
| Sodium | mg/L | None | 184 | 143 | 163 | 240 | 35 | 178 | 158 |
| Alkalinity | mg/L | None | - | - | - | - | 238 | 272 | 201 |
| Adjusted SAR | Ratio | None | 68.33 | 4.61 | 5.14 | 6.30 | 2.22 | 4.39 | 4.37 |
| Iron | mg/L | 0.3 | 0.026 | 0.008 | 0.130 | 0.000 | 0.17 | 0.422 | 0.143 |
| Manganese | mg/L | 0.05 | 0.011 | 0.016 | 0.033 | 0.015 | 0.073 | 0.104 | 0.068 |
| MBAS | mg/L | 0.5 | 0.04 | 0.12 | 0.12 | 0.19 | 0.15 | 0.10 | 0.10 |
| Boron | mg/L | 0.75 | 0.288 | 0.317 | 0.327 | 0.463 | 0.36 | 0.368 | 0.32 |
| Fluoride | mg/L | None | 0.41 | 0.763 | 0.57 | 0.67 | 0.98 | 0.71 | 0.68 |
| Total Organic Carbon | mg/L | None | 8.6 | 13.0 | 11.3 | 11.1 | 6.2 | 11.8 | 9.3 |

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

| | |
|----------|-----------|
| TDS | 1000 mg/L |
| Chloride | 180 mg/L |
| Sulfate | 340 mg/L |

*** 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 | Sept '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 | | | | | | 7.07 |
| CSJC 2 | Chiquita/SMWD | 0.02 | 12.69 | 9.95 | 9.10 | 32.04 | 35.33 | 38.15 | | | | | | 137.27 |
| CSJC 3 | Non-Domestic Well | 8.63 | 8.63 | 2.75 | 6.73 | 27.41 | 35.89 | 68.38 | | | | | | 158.42 |
| ETWD | Region 8 | 26.43 | 52.97 | 29.86 | 59.75 | 168.02 | 177.30 | 218.39 | | | | | | 732.72 |
| IRWD | | | | | | | | | | | | | | |
| 4 | IRWD - 8 | 54.89 | 83.88 | 50.90 | 36.29 | 137.20 | 145.94 | 175.99 | | | | | | 685.09 |
| 4 | IRWD - 9 | 26.02 | 46.16 | 24.48 | 23.10 | 77.28 | 84.69 | 108.54 | | | | | | 390.28 |
| SCWD | SOCWA CTP | 22.75 | 48.17 | 22.67 | 39.78 | 114.47 | 88.37 | 145.97 | | | | | | 482.19 |
| MNWD | JRP | 101.06 | 197.36 | 111.65 | 234.19 | 535.80 | 539.51 | 615.50 | | | | | | 2335.06 |
| | 3-A Plant | 41.27 | 0.00 | 0.00 | 0.00 | 38.21 | 141.02 | 117.82 | | | | | | 338.31 |
| 5 | CTP | 1.02 | 4.83 | 3.49 | 8.29 | 20.47 | 16.45 | 17.79 | | | | | | 72.34 |
| SMWD | Oso Creek | 151.09 | 137.88 | 159.15 | 82.28 | 152.12 | 147.36 | 154.09 | | | | | | 983.96 |
| | Chiquita | 64.63 | 293.17 | 180.82 | 132.12 | 385.36 | 432.44 | 509.56 | | | | | | 1998.09 |
| | Nichols | 1.49 | 1.46 | 1.48 | 1.48 | 1.59 | 1.83 | 2.15 | | | | | | 11.49 |
| TCWD | RRWRP | 50.40 | 45.36 | 38.43 | 37.68 | 54.53 | 50.52 | 51.05 | | | | | | 327.96 |
| | | | | | | | | | | | | | | |
| TOTALS | | 549.70 | 932.55 | 635.63 | 670.78 | 1751.56 | 1896.64 | 2223.38 | | | | | | 8660.24 |

- 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

5d

Board of Directors Meeting

Meeting Date: September 3, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report, July and August 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 continues the process to amend its pretreatment ordinance as required by the Pretreatment Compliance (PCA) Report received on November 14, 2019. Nine of the member agencies are also in the process to amend their pretreatment ordinances (EBSO has no industrial users) and have been provided red-line marked versions of the ordinance changes. The PCA required ordinance revisions are non-substantial, as defined in 40 CFR 403.18(b), but necessary to maintain the Pretreatment Program in compliance with federal and State regulations. San Diego Water Board (SDWB) Staff preliminarily reviewed and approved the revisions by electronic mail on June 22, 2020. When Ordinance 2020-1 adoption process is completed it will be submitted to the RWQCB-SD for their files.

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 Staff completed the Semi-Annual Pretreatment Report. This report was provided to the SDWB and uploaded to the CIWQS electronic database as required by September 1, 2020 and a copy of the report was provided to MA Staff by email with the August 2020 monthly summary of all pretreatment correspondence and activity.

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 and is currently under review. SOCWA Staff is working with site personnel to install a sample barrel to allow for 24-hour composite sampling and ensure discharge flow control by gallons per minute should the flow increase be approved.

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.

IRWD – WD Permit No. IRWD-1-002 – SemiQ (formally known as Global Power) – SOCWA Staff received information that SemiQ was forced to lay-off several employees due to the COVID-19 pandemic and was provided notice of new leadership. SemiQ's WD Permit was modified to reflect new contact information and a permit modification letter was sent to SemiQ Staff on August 9, 2020.

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 for associated operations on August 11, 2020. Staff is in process of reviewing the information related to proposed pretreatment system equipment before drafting a separate WD Permit for the new location.

Trainings and Committee Meetings Attended

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

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.

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. *Note, due to the COVID-19 pandemic and efforts to reduce exposure, Staff has suspended industrial and commercial inspections deemed not necessary to maintain compliance under Federal and State regulations unless the inspection is a matter of emergency.*

Staff tentatively scheduled the remaining annual inspections and sampling events for two Applied Medical facilities (Permit Nos. SMWD-1-003 and SMWD-1-004) for late September or early October.

Enforcement

SMWD – Staff issued a notice of non-compliance (NON) on August 22, 2020 to Applied Medical's rubber manufacturing facility (WD Permit No. SMWD-1-003) for exceeding the permit limit for zinc

at sampling location 002 for sampling performed on July 1, 2020. Applied Medical has ceased discharge from the location in order to clean and replace parts associated with system machinery. An additional sample will be collected upon system restart.

IRWD – A warning notice of non-compliance (WNON) was issued to Applied Medical's facility (WD Permit # IRWD-1NS-001) on July 27, 2020 for late submittal of the January-June 2020 semi-annual self-monitoring report (SMR).

IRWD – A WNON was issued to SemiQ Inc. (formally known as Global Power) for late submittal of the January-June 2020 semi-annual SMR. SemiQ down-sized its operations due to the COVID-19 pandemic and has subsequently had a change in leadership.

Summary of IWS Activities in the SOCWA Service Area - YTD through August 19, 2020

| <u>MA IUs</u> | <u>Events</u> | <u>Permits</u> | <u>NIWD</u> | <u>BMPs</u> | <u>FSEs</u> | <u>OSEs</u> | <u>DSEs</u> | <u>Closed</u> | <u>Enforcement</u> | <u>Total IUs</u> |
|---------------|---------------|----------------|-------------|-------------|-------------|-------------|-------------|---------------|--------------------|------------------|
| CLB (S) | 0 | 3 | 2 | 5 | 8 | 111 | 25 | 0 | 0 | 154 |
| CSC (S) | 58 | 9 | 35 | 18 | 181 | 1296 | 58 | 0 | 2 | 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) | 248 | 4 | 123 | 39 | 626 | 2082 | 200 | 13 | 0 | 3074 |
| SMWD (S) | 111 | 6 | 19 | 20 | 199 | 774 | 78 | 4 | 4 | 1096 |
| 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 | 521 | 53 | 378 | 169 | 1624 | 7213 | 534 | 17 | 7 | 9971 |

(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

5e

Board of Directors Meeting

Meeting Date: September 3, 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 has begun to remove equipment from Plant 2 Basins (left). Corroded sludge collector (right)



Coastal Treatment Plant Facility Improvements

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

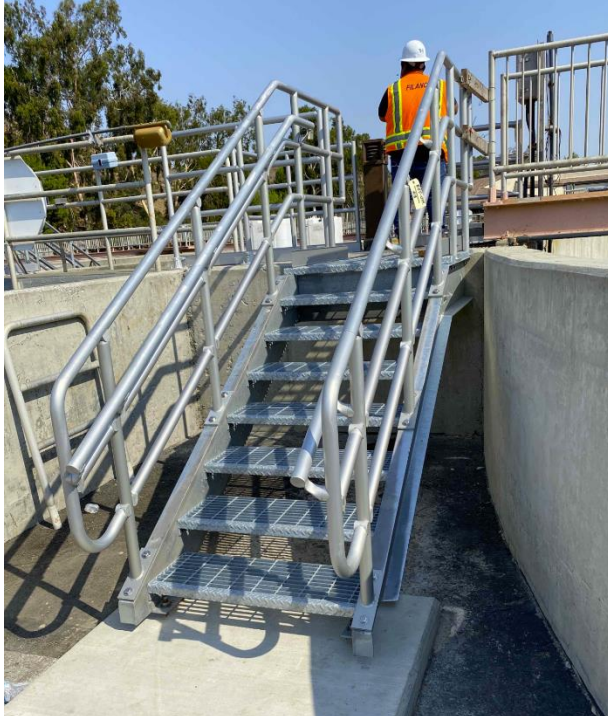
New Launderers being installed in basins (left). Electrical duct work and alterations for housing new equipment continue (right).



Regional Treatment Plant Miscellaneous Improvements 2018

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

New stairs on secondary sedimentation basins (left) and new polymer mix tanks (right).



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

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

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

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|--|--|--------------|--|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 3220-000 | Package B Liquids (Plant 1 Basin repairs, DAF rehabilitation) | Construction | The construction contract for Package 'B' was awarded at the April 4, 2019, SOCWA Board meeting. |
| 4201-000 | Plant 1 Blower Building Condition Assessment | Study | The contract was awarded at the September 5, 2019 SOCWA Board Meeting. |
| 4202-000 | Pipeline Condition Assessment Methodology Evaluation | Study | Project delayed due to COVID-19, now scheduled to begin in October 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 September 2020. |

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

| Task Code | Description | Phase | Status |
|---|---|--------------|--|
| 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 | RFP for design to be submitted in September 2020 |
| 3106-000 | Air Vacuum Release Valve Replacement Reach E Design and Permitting | Design | RFP for design to be submitted in September 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

5f

Board of Directors Meeting

Meeting Date: September 3, 2020

TO: 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 [PC 15]

Summary/Discussion

The attached CIP Financial Status 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 is one new change order for CTP Facility Improvements (PC-15).

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.

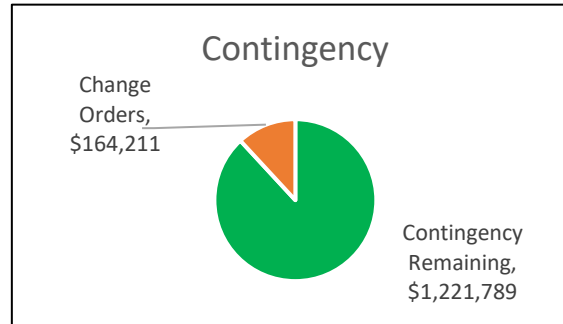
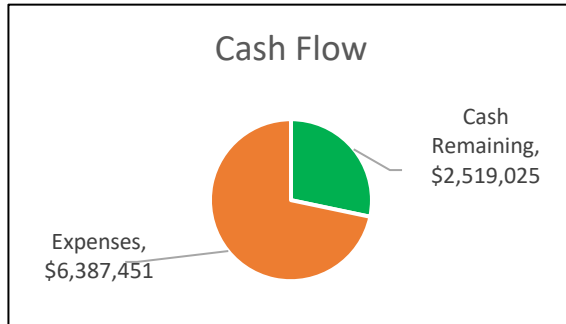
Recommended Action: Staff recommends the PC 15 Board of Directors to approve change order 8 totaling \$4,378 for the PCL contract for PC 15 as shown in the Capital Improvement Program Project Financial Status Report.

Project Financial Status

Data Last Updated

| | |
|---------------------|---|
| 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 |

| |
|-----------------|
| August 21, 2020 |
|-----------------|



Cash Flow

| | |
|-----------|-------------|
| Collected | \$8,906,476 |
| Expenses | \$6,387,451 |

Project Completion

| | |
|----------|-----|
| Schedule | 47% |
| Budget | 33% |

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 | \$540,263 |
| Carollo | 13616 | \$ 846,528 | \$ - | \$ 846,528 | \$494,472 |
| TetraTech | 13605 | \$ 94,000 | \$ - | \$ 94,000 | \$77,806 |
| | | \$ 19,320,853 | \$ 155,665 | \$ 19,476,518 | \$5,368,530 |

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 | \$ 129,163 | \$ 543,237 | 23.8% |
| | | \$ 1,386,000 | \$ 164,211 | \$ 1,221,789 | 13.4% |

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 | Approved by Board of Directors | 6/4/2020 | | \$ 24,002 |

| Change Order No. | Vendor Name | Project ID | Description | Status | Status Date | Potential Change Amount | Final Amount |
|------------------|-------------|------------|--|--------------------------------|-------------|-------------------------|--------------|
| 5 | Olsson | 3220-000 | Valve Handwheel Ergonomic extension | Approved by Board of Directors | 8/6/2020 | | \$ 16,370 |
| 6 | Olsson | 3287-000 | Change to DeZurik Plug Valves to match existing | Approved by Board of Directors | 8/6/2020 | | \$ 41,994 |
| 7 | Olsson | 3287-000 | Digester 4 Additional Concrete Repair | Approved by Board of Directors | 8/6/2020 | | \$ 7,413 |
| 8 | Olsson | 3287-000 | Repair Existing Damaged Electrical Box | Approved by Board of Directors | 8/6/2020 | | \$ (1,829) |
| 9 | Olsson | 3220-000 | Change the Telescoping Valve Boxes and Piping from Carbon Steel to Stainless Steel | Approved by Board of Directors | 8/6/2020 | | \$ 18,678 |

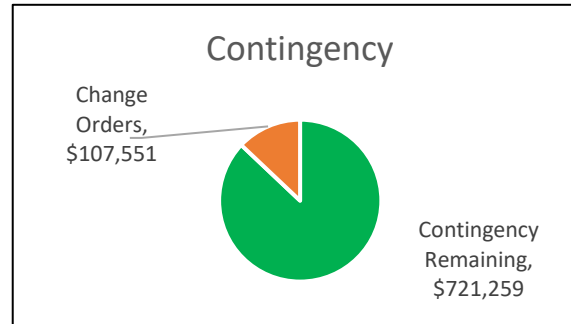
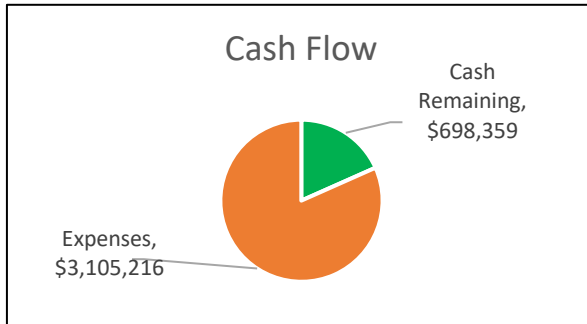
| Change Order No. | Vendor Name | Project ID | Description | Status | Status Date | Potential Change Amount | Final Amount |
|------------------|-------------|------------|---|------------------|-------------|-------------------------|--------------|
| A | Olsson | 3287-000 | Digester 4 Rail Coating. The coating is not needed and resulting in a credit but some rehabilitation work will be needed. | Potential Change | (blank) | -\$1,000 | \$ - |
| B | Olsson | 3287-000 | Digester 4 Control Narrative needed | Potential Change | (blank) | \$5,000 | \$ - |
| C | Olsson | 3287-000 | TWAS Slab Modifications | Potential Change | (blank) | \$50,000 | \$ - |
| E | Olsson | 3287-000 | Relocation of MCC-F1 | Potential Change | (blank) | \$40,000 | \$ - |
| F | Olsson | 3287-000 | Conduit Routing Conflict | Potential Change | (blank) | \$15,000 | \$ - |
| G | Olsson | 3287-000 | Digester 4 Compressor Supply Line | Potential Change | (blank) | \$0 | \$ - |
| H | Olsson | 3287-000 | Additional Concrete Repair | Potential Change | (blank) | \$5,000 | \$ - |
| J | Olsson | 3287-000 | Ductbank Digester 4 | Potential Change | (blank) | \$50,000 | \$ - |
| K | Olsson | 3287-000 | Ductbank O Interferences | Potential Change | (blank) | \$5,000 | \$ - |
| L | Olsson | 3287-000 | Ductbank J Interferences | Potential Change | (blank) | \$40,000 | \$ - |
| Grand Total | | | | | | \$209,000 | \$ 155,665 |

Data Last Updated

August 21, 2020

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 |



Cash Flow

| | |
|-----------|-------------|
| Collected | \$3,803,575 |
| Expenses | \$3,105,216 |

Project Completion

| | |
|----------|-----|
| Schedule | 58% |
| Budget | 29% |

Contracts

| Company | PO No. | Original | Change Orders | Total | Paid |
|----------------|--------|----------------------|-------------------|----------------------|--------------------|
| PCL | 13751 | \$ 9,209,000 | \$ 107,551 | \$ 9,316,551 | \$2,482,750 |
| Butier | 13647 | \$ 812,288 | \$ - | \$ 812,288 | \$345,703 |
| Hazen & Sawyer | 13648 | \$ 490,484 | \$ - | \$ 490,484 | \$157,231 |
| | | \$ 10,511,772 | \$ 107,551 | \$ 10,619,323 | \$2,985,684 |

Contingency

| Area | Project Code | Amount | Change Orders | Total Remaining | Percent Used |
|---------|--------------|-------------------|-------------------|-------------------|--------------|
| Liquids | 3539-000 | \$ 828,810 | \$ 107,551 | \$ 721,259 | 14.9% |
| | | \$ 828,810 | \$ 107,551 | \$ 721,259 | 14.9% |

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 |

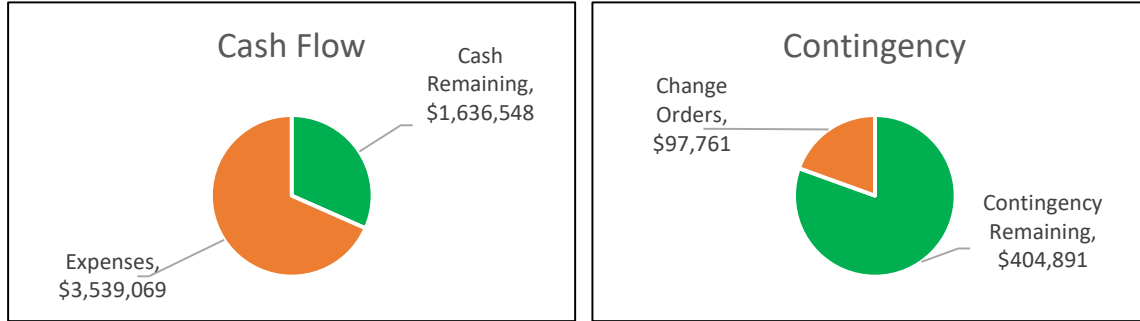
| | | | | | | | |
|-------------|------------|-----------------|---|--|------------------|------------|-----------------|
| 7 | PCL | 3539-000 | Sludge Collector Wear Strips | Approved by Board of Directors | 8/6/2020 | | \$ 5,304 |
| 8 | PCL | 3539-000 | SCE Transformer Slab Box | Within Contingency, reviewed by Engineering Committee | 8/13/2020 | | \$ 4,378 |
| B | PCL | 3539-000 | Additional Pothole Paving | Potential Change | (blank) | \$5,000 | \$ - |
| E | PCL | 3539-000 | Ferric Containment Foundation | Potential Change | (blank) | | \$ - |
| F | PCL | 3539-000 | Spray Water Piping Replacement | Potential Change | (blank) | | \$ - |
| H | PCL | 3539-000 | Telescoping Valve | Potential Change | (blank) | \$24,000 | \$ - |
| I | PCL | 3539-000 | Secondary Clarifier Anchor Bolt Replacement | Potential Change | (blank) | | \$ - |
| K | PCL | 3539-000 | Duct Bank 5 Buried Utility Conflicts | Potential Change | (blank) | \$32,612 | \$ - |
| L | PCL | 3539-000 | Blasting and Coating in Secondary Tanks | Potential Change | (blank) | \$10,000 | \$ - |
| M | PCL | 3539-000 | Drainage Pump Station Descope | Potential Change | (blank) | -\$400,000 | \$ - |
| N | PCL | 3539-000 | RAS Channel Modification Desclope | Potential Change | (blank) | | \$ - |
| Grand Total | | | | | | -\$328,388 | \$ 107,551 |

Data Last Updated

August 21, 2020

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 |



Cash Flow

| | |
|-----------|-------------|
| Collected | \$5,175,617 |
| Expenses | \$3,539,069 |

Project Completion

| | |
|----------|-----|
| Schedule | 78% |
| Budget | 78% |

Contracts

| Company | PO No. | Original | Change Orders | Total | Paid |
|----------|--------|---------------------|------------------|---------------------|--------------------|
| Filanc | 13678 | \$ 4,181,205 | \$ 97,761 | \$ 4,278,966 | \$2,868,076 |
| Dudek | 14164 | \$ 137,625 | \$ - | \$ 137,625 | \$94,315 |
| Lee & Ro | 14006 | \$ 123,310 | \$ - | \$ 123,310 | \$98,756 |
| | | \$ 4,442,140 | \$ 97,761 | \$ 4,539,901 | \$3,061,147 |

Contingency

| Area | Project Code | Amount | Change Orders | Total Remaining | Percent Used |
|---------|--------------|-------------------|------------------|-------------------|--------------|
| Liquids | 3701-000 | \$ 343,593 | \$ 87,480 | \$ 256,113 | 34.2% |
| Common | 3769-000 | \$ 4,545 | \$ - | \$ 4,545 | 0.0% |
| Solids | 3751-000 | \$ 154,514 | \$ 10,281 | \$ 144,233 | 7.1% |
| | | \$ 502,652 | \$ 97,761 | \$ 404,891 | 24.1% |

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) |

| Change Order No. | Vendor Name | Project ID | Description | Status | Status Date | Potential Change Amount | Final Amount |
|------------------|-------------|------------|---|--------------------------------|-------------|-------------------------|--------------|
| 6 | Filanc | 3701-000 | Ductbank Vault size change to accommodate existing utilities and sump | Approved by Board of Directors | 8/6/2020 | | \$ 37,690.02 |
| 7 | Filanc | 3751-000 | Energy Building Roof Steel Beam Anchor Embedment | Approved by Board of Directors | 8/6/2020 | | \$ 10,280.90 |
| C | Filanc | 3701-000 | Polymer Room VFD Relocation | Potential Change | (blank) | \$10,000 | |
| Grand Total | | | | | | \$10,000 | \$ 97,761 |

Agenda Item

6a

Legal Counsel Review: Yes

Meeting Date: September 3, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Revised SOCWA Pretreatment Ordinance - Ordinance 2020-1;
Revised SOCWA Policy for Acceptance of Interim Dry Weather Nuisance Flow to the Collection, Treatment and Disposal System Pursuant to Pretreatment Program and Waste Discharge Requirements – Diversion Policy 2020-1: Update

Summary

The Pretreatment Compliance Audit (PCA) of the SOCWA Pretreatment Program was conducted on December 5-6, 2018, with a report issued to SOCWA on November 14, 2019. The PCA requires SOCWA to add terms to the current sewer use ordinance (SUO) (2015-1) regarding 'Indirect Discharge' and amend terms regarding 'National Pretreatment Standards' and 'Slug Discharge'. The PCA further requires the current SUO to reference the Enforcement Response Plan (in three sections) and modify language regarding Self-Monitoring and Reporting (Article 8.) to be more consistent with Federal Regulations.

SOCWA is further amending its SUO to add a definition of term for 'Non-Stormwater Discharge' and modify the term for 'Stormwater' to be more consistent with its Diversion Policy. SOCWA is modifying its current Diversion Policy (2001) to amend definition of terms for 'Class IV Special Wastewater Discharge (SWD) Permit', 'Dry Weather Nuisance Flow', 'Dry Weather Period' and 'SOCWA' and add a definition of term for 'Non-Stormwater Discharge'.

Discussion/Analysis

The PCA required SUO revisions are non-substantial, as defined in 40 CFR 403.18(b), but necessary to maintain the Pretreatment Program in compliance with federal and State regulations. San Diego Regional Water Quality Control Board staff reviewed and approved the revisions by electronic mail.

The modification of SOCWA's Diversion Policy is necessary to better reflect when stormwater may no longer be considered stormwater and may then be allowed to be discharged to sewer facilities, approved through issuance of a SWD Permit or Nuisance-water SWD Permit.

Advisory Committee Review

N/A

Fiscal Impact

Minor expense for review and preparation of the revised pretreatment ordinance and diversion policy and publication costs for the public hearing notice and ordinance and policy summary.

Recommended Action – Confirm publishing of notice of open public hearing for Ordinance 2020-1 and Diversion Policy 2020-1 to allow 30 days for public comment, call public hearing

1. MOTION BY BOARD. That the Board of Directors confirms that the Secretary and legal counsel published a Notice of Public Hearing one time in a newspaper of general circulation in the SOCWA service area to run with notice appearing in publication on August 31, 2020, 30 days prior to the public hearing, and that the Notice is posted on SOCWA's website and the agenda posting location as directed from the August 6, 2020 SOCWA Board Meeting.
2. MOTION BY BOARD. That the Board of Directors calls a public hearing to receive public comments on Ordinance 2020-1 and Diversion Policy 2020-1 for the next regular Board Meeting to be held on October 1, 2020 and consider adopting Ordinance 2020-1 and Diversion Policy 2020-1 at close of hearing.

Agenda Item

6b

Board Meeting

Meeting Date: September 3, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Report on Finance Committee Review of Year End June 30, 2020
Preliminary Financials (Year End Results and Preparation of Use Audit)

Summary/Discussion

The Finance Committee received a staff report on the Authority's "Preliminary Financials" for Fiscal Year 2019-20 at the August 25, 2020 Finance Committee meeting. The Finance Committee directed staff to review the presentation with the SOCWA Board, including the notes and comments of the Committee Members. The attached presentation covers the presented report and the comments of the Committee Members and is provided for discussion of the Board.

The presentation includes:

- Budget vs. Actual by Department
- Usage Distributions (flows & solids)
- Long-term Liabilities (PERS/OPEB/Uncompensated Absences)
 - Allocations and Cost Increases
- Recommendation to Address Long-Term Liabilities

Recommended Action: The Finance Committee did not conclude a formal recommendation to the Board and in lieu members of the Committee may provide input at the Board discussion. The SOCWA staff recommendation to the Board is:

- Adopt Board Policy to Avoid 7% Growth in Cost and Address PERS Increases with a pre-pay plan
- Determine to Pre-pay (Advanced Discretionary Payments (ADP) or Other)
- Amend the JPA Agreement to Ensure Pre-Payment Credits
- Adopt method for Distribution of Future Base Adjustments
 - Agencies will be allowed to individually make an ADP of their portion of SOCWA's UAL using the Board Approved Methodology; based on actual labor dollars from SOCWA's inception, FY 2002, to date.
 - Paid Agencies will only be responsible for "New Bases" added by CalPERS; their portion of these bases will be determined using the same Board Approved Methodology based on historical labor dollars.
 - UAL is Tier 1; new bases are primarily adjustments for financial markets performances and actuarial assumptions which impact Tier 1 population.

SOCWA

Agenda Item 6b

Preliminary Financials

Fiscal Year 2019–20

Board Meeting

September 3, 2020

Budget vs. Actual Expenses Summary

- Operations and Environmental
- Residual Engineering
 - ❑ After transfer to Capital
- Administration
- Information Technology (IT)

**Preliminary Financials
Fiscal Year 2019-20**

| Department | Budget | Board Approved Expenditures ¹ | Adjusted Budget | Actual | (Over)/ Under Budget | % Expended |
|-----------------------|----------------------------|--|----------------------------|----------------------------|---------------------------|---------------------|
| O&M and Environmental | \$18,346,162 | \$523,573 | \$18,869,735 | \$17,943,199 | \$926,536 | 95.1% |
| Engineering | 456,862 | 4,723 | 461,585 | 394,758 | 66,827 | 85.5% |
| Administration | 2,511,823 | 12,627 | 2,524,450 | 2,386,766 | 137,684 | 94.5% |
| IT | 780,473 | 56,811 | 837,284 | 826,020 | 11,264 | 98.7% |
| IT Allocations (Out) | (780,473) | (56,811) | (837,284) | (826,020) | (11,264) | 98.7% |
| Total | <u>\$21,314,847</u> | <u>\$540,923</u> | <u>\$21,855,770</u> | <u>\$20,724,722</u> | <u>\$1,131,046</u> | <u>94.8%</u> |

¹Board Approved Expenditures; see notes to year-end financials for detail.

Usage – Key Component of Use Audit

- Budget vs. Actual
- Flows and Solids Loading Percentages
- Project Committee detail

Distribution of Plant Usage¹

FY 2019-20 Budget

| | Laguna Beach | San Clemente | San Juan Capistrano | El Toro | Emerald Bay | Irvine Ranch | Moulton Niguel | Santa Margarita | South Coast | Trabuco Canyon | Total |
|----------------------------|--------------|--------------|---------------------|---------|-------------|--------------|----------------|-----------------|-------------|----------------|---------|
| PC 2 JBL | | | | | | | | | | | |
| Liquids | | | 36.57% | | | | 23.64% | 12.12% | 27.67% | | 100.00% |
| Solids | | | 23.90% | | | | 21.06% | 36.96% | 18.08% | | 100.00% |
| PC 12 (2SO) Permits | | | | | | | | | | | |
| Region 9 | | | 4.68% | | | | 43.43% | 43.95% | 4.81% | 3.13% | 100.00% |
| PC 15 Coastal | | | | | | | | | | | |
| Liquids | 57.73% | | | | 1.78% | | | | 40.49% | | 100.00% |
| PC 17 Regional | | | | | | | | | | | |
| Liquids | 0.79% | | | 0.26% | 0.02% | | 98.38% | | 0.55% | | 100.00% |
| Solids | 16.06% | | | 14.90% | 0.50% | | 58.06% | | 10.48% | | 100.00% |

FY 2019-20 Actual

| | | | | | | | | | | | |
|----------------------------|--------|--|--------|--------|-------|--|--------|--------|--------|-------|---------|
| PC 2 JBL | | | | | | | | | | | |
| Liquids | | | 32.37% | | | | 21.30% | 21.74% | 24.59% | | 100.00% |
| Solids | | | 26.23% | | | | 17.25% | 32.96% | 23.56% | | 100.00% |
| PC 12 (2SO) Permits | | | | | | | | | | | |
| Region 9 | | | 3.29% | | | | 42.64% | 42.89% | 7.05% | 4.13% | 100.00% |
| PC 15 Coastal | | | | | | | | | | | |
| Liquids | 60.90% | | | | 2.18% | | | | 36.91% | | 100.00% |
| PC 17 Regional | | | | | | | | | | | |
| Liquids | 0.10% | | | 0.20% | 0.00% | | 99.67% | | 0.04% | | 100.00% |
| Solids | 12.87% | | | 16.11% | 0.46% | | 62.78% | | 7.79% | | 100.00% |

Long Term Liabilities

- OPEB (Retiree Health)
- Net Pension Liability
- Uncompensated Absences

The OPEB Liability (Retiree Health) increased by \$941 thousand or 19.8%

| | <u>\$ Change</u> | <u>% Change</u> |
|---|--------------------------------|-----------------------------|
| Discount rate reduced from 7% to 6.5% ¹ | \$474,796 | 50.5% |
| Active Employees accrual for 1 additional year of service ² | <u>465,794</u> | <u>49.5%</u> |
| Total | <u><u>\$940,590</u></u> | <u><u>100.0%</u></u> |

¹ Selected as conservative against Federal Reserve discount rate reduction to .25%

² Annual accrual

SUMMARY OF AGENCY'S OPEB PLAN

| | |
|-------------------------------------|--|
| Plan Type: | IRC Section 115 Irrevocable Exclusive Benefit Trust |
| Trustee Approach: | Discretionary |
| Plan Effective Date: | August 6, 2009 |
| Plan Administrator: | General Manager |
| Current Investment Strategy: | Balanced HighMark PLUS (Active) Strategy; Pooled Account |

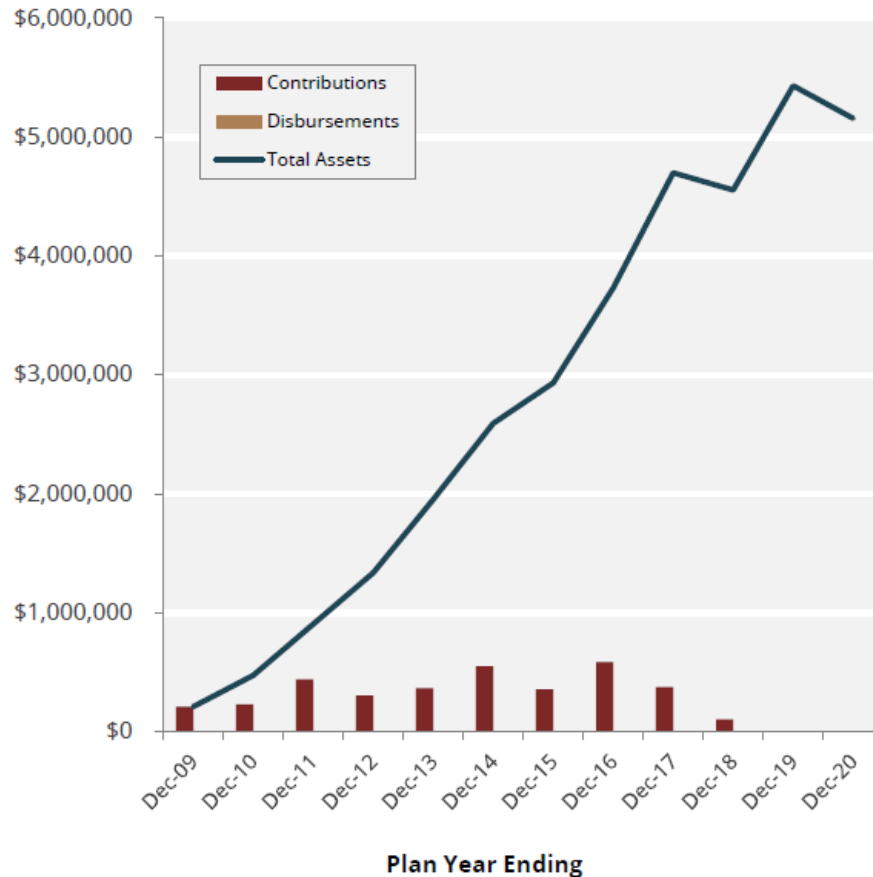
AS OF MAY 31, 2020:

| | |
|-----------------------------------|--------------------------|
| Initial Contribution: | December 2009: \$211,652 |
| Additional Contributions: | \$3,323,137 |
| Total Contributions: | \$3,534,789 |
| Disbursements: | \$0 |
| Total Investment Earnings: | \$1,784,524 |
| Account Balance: | \$5,156,705 |

- Investment returns are compounded
- Over 50% return since inception in 2009

SUMMARY OF AGENCY'S OPEB PLAN

CONTRIBUTIONS, DISBURSEMENTS, AND TOTAL ASSETS AS OF MAY 31, 2020:



| Year | Contributions | Disbursements | Total Assets |
|----------|---------------|---------------|--------------|
| Dec-09* | \$211,652 | \$0 | \$212,094 |
| Dec-10 | \$230,000 | \$0 | \$474,880 |
| Dec-11 | \$442,146 | \$0 | \$905,653 |
| Dec-12 | \$305,956 | \$0 | \$1,337,155 |
| Dec-13 | \$365,445 | \$0 | \$1,952,486 |
| Dec-14 | \$550,186 | \$0 | \$2,593,537 |
| Dec-15 | \$358,403 | \$0 | \$2,933,757 |
| Dec-16 | \$588,000 | \$0 | \$3,730,913 |
| Dec-17 | \$378,000 | \$0 | \$4,699,966 |
| Dec-18 | \$105,000 | \$0 | \$4,554,334 |
| Dec-19 | \$0 | \$0 | \$5,431,436 |
| Dec-20** | \$0 | \$0 | \$5,156,705 |

*Plan Year Ending December 2009 is based on 1 month of activity.
 **Plan Year Ending December 2020 is based on 5 months of activity.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PARS OPEB Trust Program

Account Report for the Period
7/1/2020 to 7/31/2020

Mary Carey
Finance Controller
South Orange County Wastewater Authority
34156 Del Obispo St.
Dana Point, CA 92629

Account Summary

| Source | Beginning Balance as of 7/1/2020 | Contributions | Earnings | Expenses | Distributions | Transfers | Ending Balance as of 7/31/2020 |
|---------------|--|---------------|---------------------|-------------------|---------------|---------------|--------------------------------------|
| OPEB | \$5,270,638.73 | \$0.00 | \$192,094.85 | \$2,527.09 | \$0.00 | \$0.00 | \$5,460,206.49 |
| Totals | \$5,270,638.73 | \$0.00 | \$192,094.85 | \$2,527.09 | \$0.00 | \$0.00 | \$5,460,206.49 |

Investment Selection

Source

OPEB **Balanced HighMark PLUS**

Investment Objective

Source

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

Investment Return

| Source | 1-Month | 3-Months | 1-Year | Annualized Return | | | Plan's Inception Date |
|--------|---------|----------|--------|-------------------|---------|----------|-----------------------|
| | | | | 3-Years | 5-Years | 10-Years | |
| OPEB | 3.65% | 9.97% | 6.26% | 6.76% | 6.58% | 8.12% | 12/17/2009 |

Information as provided by US Bank, Trustee for PARS: Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

Account balances are inclusive of Trust Administration, Trustee and Investment Management fees

Board Approved Methodology

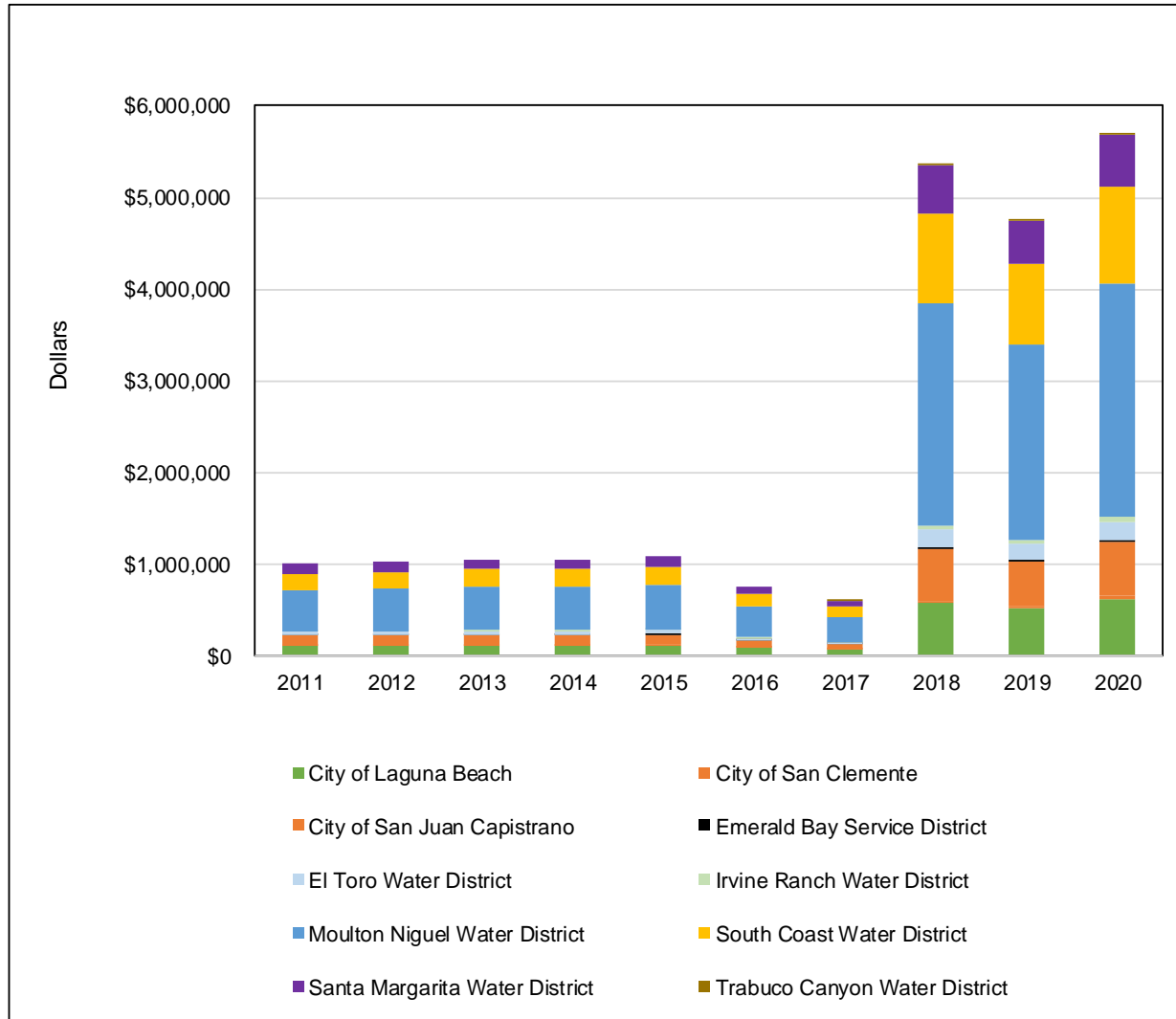
Net OPEB (Retiree Health) Liability by Member Agency

Last Ten Fiscal Years¹

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---|------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|--------------------|--------------------|--------------------|
| <u>OPEB Liability</u> | | | | | | | | | | |
| City of Laguna Beach | \$101,290 | \$102,735 | \$106,591 | \$108,208 | \$112,872 | \$78,307 | \$61,896 | \$569,189 | \$507,678 | \$607,975 |
| City of San Clemente | 7,430 | 7,504 | 7,558 | 7,449 | 7,530 | 5,050 | 3,934 | 35,969 | 31,867 | 38,255 |
| City of San Juan Capistrano | 105,371 | 107,873 | 109,765 | 109,758 | 112,232 | 77,116 | 60,740 | 553,617 | 493,339 | 593,104 |
| Emerald Bay Service District | 4,742 | 4,751 | 4,879 | 4,920 | 5,053 | 3,458 | 2,714 | 24,712 | 21,894 | 25,932 |
| El Toro Water District | 35,389 | 36,790 | 37,400 | 37,653 | 38,946 | 26,768 | 21,087 | 191,387 | 168,146 | 199,495 |
| Irvine Ranch Water District | 7,451 | 7,540 | 8,151 | 8,218 | 8,471 | 5,716 | 4,493 | 41,272 | 36,299 | 43,309 |
| Moulton Niguel Water District | 446,109 | 459,369 | 470,790 | 474,017 | 490,950 | 339,804 | 267,246 | 2,425,942 | 2,143,835 | 2,552,258 |
| South Coast Water District | 187,271 | 191,807 | 195,137 | 195,200 | 198,760 | 135,493 | 107,302 | 983,972 | 875,880 | 1,060,131 |
| Santa Margarita Water District | 104,816 | 105,711 | 107,174 | 106,898 | 109,091 | 74,250 | 58,318 | 532,388 | 468,504 | 567,080 |
| Trabuco Canyon Water District | | | | | | | 31 | 551 | 518 | 1,012 |
| Total | <u>\$999,869</u> | <u>\$1,024,079</u> | <u>\$1,047,444</u> | <u>\$1,052,319</u> | <u>\$1,083,904</u> | <u>\$745,962</u> | <u>\$587,760</u> | <u>\$5,358,998</u> | <u>\$4,747,961</u> | <u>\$5,688,551</u> |
| % Change Year-Over-Year | | 2.42% | 2.28% | 0.47% | 3.00% | -31.18% | -21.21% | 811.77% | -11.40% | 19.81% |
| <u>OPEB Liability Allocation %'s</u> | | | | | | | | | | |
| City of Laguna Beach | 10.13% | 10.03% | 10.18% | 10.28% | 10.41% | 10.50% | 10.53% | 10.62% | 10.69% | 10.69% |
| City of San Clemente | 0.74% | 0.73% | 0.72% | 0.71% | 0.69% | 0.68% | 0.67% | 0.67% | 0.67% | 0.67% |
| City of San Juan Capistrano | 10.54% | 10.53% | 10.48% | 10.43% | 10.35% | 10.34% | 10.33% | 10.33% | 10.39% | 10.43% |
| Emerald Bay Service District | 0.47% | 0.46% | 0.47% | 0.47% | 0.47% | 0.46% | 0.46% | 0.46% | 0.46% | 0.46% |
| El Toro Water District | 3.54% | 3.59% | 3.57% | 3.58% | 3.59% | 3.59% | 3.59% | 3.57% | 3.54% | 3.51% |
| Irvine Ranch Water District | 0.75% | 0.74% | 0.78% | 0.78% | 0.78% | 0.77% | 0.76% | 0.77% | 0.76% | 0.76% |
| Moulton Niguel Water District | 44.62% | 44.86% | 44.95% | 45.04% | 45.29% | 45.55% | 45.47% | 45.27% | 45.15% | 44.87% |
| South Coast Water District | 18.73% | 18.73% | 18.63% | 18.55% | 18.34% | 18.16% | 18.26% | 18.36% | 18.45% | 18.64% |
| Santa Margarita Water District | 10.48% | 10.32% | 10.23% | 10.16% | 10.06% | 9.95% | 9.92% | 9.93% | 9.87% | 9.97% |
| Trabuco Canyon Water District | | | | | | | 0.01% | 0.01% | 0.01% | 0.02% |
| Total | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> |

¹ Prior to GASB 75 implementation, FY 2018, only a portion of the OPEB liability was recorded in the Net Position Statement, Net OPEB Obligation, GASB 75 required the recognition of the Full OPEB Liability. The decreases in FY's 2016 and 2017 are primarily due to \$500k contributions to the PARS Trust each year. FY 2019 decrease is due to Asset Gains.

OPEB Liability by Agency



Net Pension Liability Increase (Financial Reporting)

The Net Pension Liability increased by \$1.2 million or 8.9% primarily due to:

| | <u>\$ Change</u> | <u>% Change</u> |
|------------------------------------|----------------------------------|-----------------------------|
| Method Change ¹ | \$602,315 | 51.3% |
| Non-Asset (Gain)/Loss ² | 314,783 | 26.8% |
| Asset (Gain)/Loss ³ | 258,137 | 22.0% |
| Assumption Change ⁴ | | 0.0% |
| Total | <u><u>\$1,175,235</u></u> | <u><u>100.0%</u></u> |

¹ CalPERS Valuation Software System Change

² Changes not related to Investment Returns; such as, mortality, discount rate, pay increases, etc.

³ Financial Market Investment Return Less than Targeted Performance of 7%.

⁴ Actuarial Assumptions, no change, 15 years mortality improvement, discount rate 7.15%, 2.5% inflation, salary increases, etc.

Board Approved Methodology

Net Pension (CalPERS) Liability by Member Agency

Last Six Fiscal Years¹

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------------------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| <u>Net Pension Liability</u> | | | | | | |
| City of Laguna Beach | \$707,518 | \$950,501 | \$1,216,301 | \$1,424,347 | \$1,409,954 | \$1,534,919 |
| City of San Clemente | 47,198 | 61,300 | 77,311 | 90,008 | 88,503 | 96,580 |
| City of San Juan Capistrano | 703,507 | 936,034 | 1,193,586 | 1,385,379 | 1,370,129 | 1,497,375 |
| Emerald Bay Service District | 31,672 | 41,975 | 53,337 | 61,839 | 60,806 | 65,469 |
| El Toro Water District | 244,130 | 324,911 | 414,375 | 478,930 | 466,984 | 503,652 |
| Irvine Ranch Water District | 53,099 | 69,383 | 88,286 | 103,279 | 100,812 | 109,341 |
| Moulton Niguel Water District | 3,077,442 | 4,124,557 | 5,251,583 | 6,070,714 | 5,953,985 | 6,443,537 |
| South Coast Water District | 1,245,892 | 1,644,626 | 2,108,568 | 2,462,306 | 2,432,546 | 2,676,449 |
| Santa Margarita Water District | 683,820 | 901,247 | 1,145,985 | 1,332,256 | 1,301,158 | 1,431,672 |
| Trabuco Canyon Water District | | | 613 | 1,378 | 1,439 | 2,555 |
| Total | <u>\$6,794,277</u> | <u>\$9,054,535</u> | <u>\$11,549,944</u> | <u>\$13,410,437</u> | <u>\$13,186,316</u> | <u>\$14,361,551</u> |

| | | | | | | |
|--|--|--------|--------|--------|--------|-------|
| % Change Year-Over-Year² | | 33.27% | 27.56% | 16.11% | -1.67% | 8.91% |
|--|--|--------|--------|--------|--------|-------|

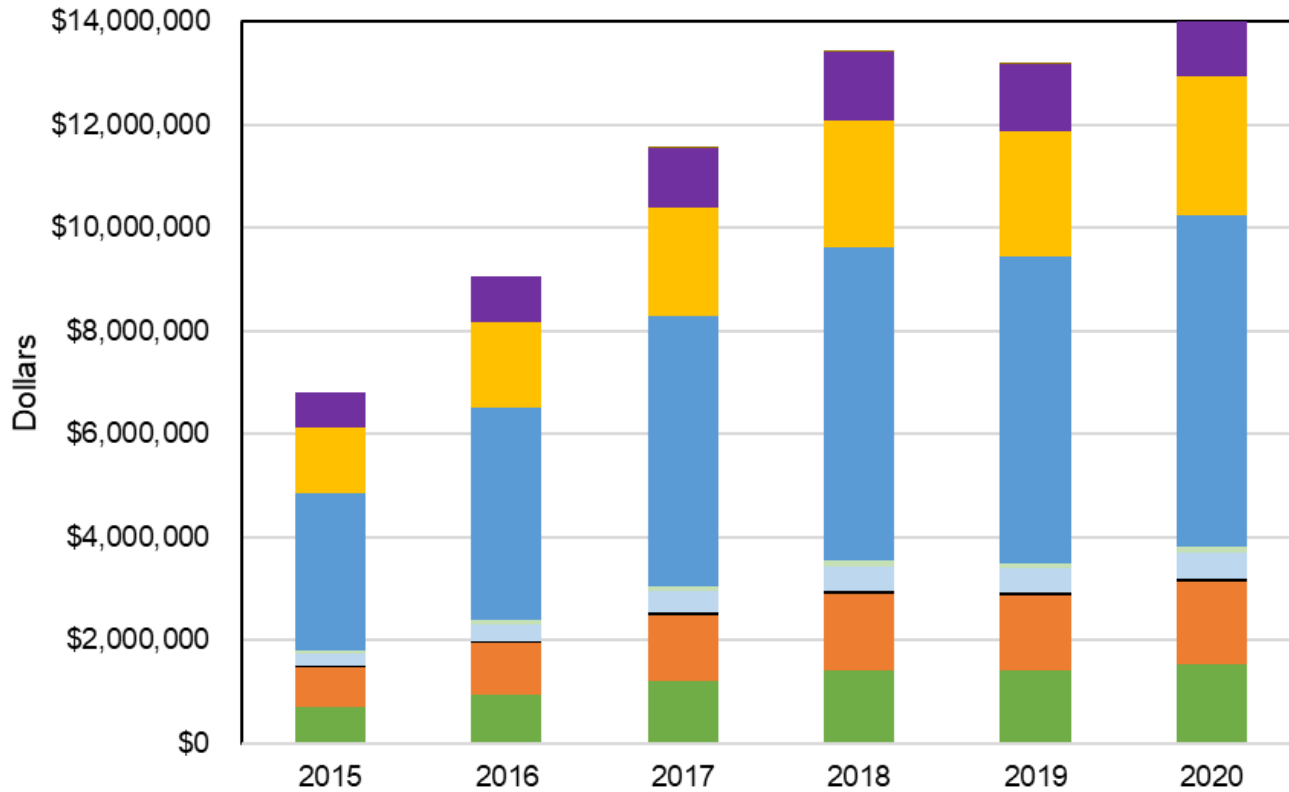
Net Pension Liability **Allocation %'s**

| | | | | | | |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| City of Laguna Beach | 10.41% | 10.50% | 10.53% | 10.62% | 10.69% | 10.69% |
| City of San Clemente | 0.69% | 0.68% | 0.67% | 0.67% | 0.67% | 0.67% |
| City of San Juan Capistrano | 10.35% | 10.34% | 10.33% | 10.33% | 10.39% | 10.43% |
| Emerald Bay Service District | 0.47% | 0.46% | 0.46% | 0.46% | 0.46% | 0.46% |
| El Toro Water District | 3.59% | 3.59% | 3.59% | 3.57% | 3.54% | 3.51% |
| Irvine Ranch Water District | 0.78% | 0.77% | 0.76% | 0.77% | 0.76% | 0.76% |
| Moulton Niguel Water District | 45.29% | 45.55% | 45.47% | 45.27% | 45.15% | 44.87% |
| South Coast Water District | 18.34% | 18.16% | 18.26% | 18.36% | 18.45% | 18.64% |
| Santa Margarita Water District | 10.06% | 9.95% | 9.92% | 9.93% | 9.87% | 9.97% |
| Trabuco Canyon Water District | | | 0.01% | 0.01% | 0.01% | 0.02% |
| Total | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> | <u>100.00%</u> |

¹Prior to GASB 68 Implementation, FY 2015, the pension liability was not reported in the Statement of Net Position, the annual required contribution was included in the Notes to the Financial Statements.

²The year-over-year changes are due to changes in CalPERS methodology in 2016, financial market returns less than 7.65% in 2017 and the discount rate decrease from 7.65% to 7.15% in 2018.

Net Pension Liability



- City of Laguna Beach
- City of San Juan Capistrano
- El Toro Water District
- Moulton Niguel Water District
- Santa Margarita Water District
- City of San Clemente
- Emerald Bay Service District
- Irvine Ranch Water District
- South Coast Water District
- Trabuco Canyon Water District

Employee PTO Time Earned by Agency

Long-Term Compensated Absences Liability by Member Agency Last Nine Fiscal Years

(No long-term compensated absences reported in 2011)

| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <u>Compensated Absences Liability</u> | | | | | | | | | |
| City of Laguna Beach | \$34,162 | \$31,156 | \$30,541 | \$44,404 | \$48,768 | \$38,635 | \$25,906 | \$30,978 | \$34,160 |
| City of San Clemente | 2,119 | 1,902 | 1,786 | 2,294 | 2,311 | 1,808 | 1,300 | 1,716 | 2,050 |
| City of San Juan Capistrano | 35,178 | 30,441 | 29,159 | 38,277 | 42,168 | 33,858 | 23,119 | 28,373 | 32,429 |
| Emerald Bay Service District | 1,510 | 1,324 | 1,294 | 1,832 | 1,944 | 1,495 | 995 | 1,199 | 1,272 |
| El Toro Water District | 12,705 | 11,233 | 10,528 | 13,944 | 15,493 | 12,267 | 7,867 | 8,849 | 9,266 |
| Irvine Ranch Water District | 2,391 | 2,479 | 2,486 | 3,507 | 3,108 | 2,392 | 1,635 | 2,016 | 2,224 |
| Moulton Niguel Water District | 152,606 | 138,683 | 132,131 | 180,293 | 201,539 | 159,079 | 102,026 | 115,337 | 124,882 |
| South Coast Water District | 62,461 | 54,861 | 51,947 | 67,000 | 71,307 | 58,332 | 41,698 | 52,781 | 61,129 |
| Santa Margarita Water District | 29,040 | 26,865 | 26,885 | 36,326 | 38,782 | 30,785 | 21,245 | 25,222 | 30,399 |
| Trabuco Canyon Water District | | | | - | - | 81 | 118 | 167 | 236 |
| Total | \$332,172 | \$298,944 | \$286,758 | \$387,876 | \$425,420 | \$338,733 | \$225,909 | \$266,637 | \$298,049 |
| % Change Year-Over-Year | | -10.00% | -4.08% | 35.26% | 9.68% | -20.38% | -33.31% | 18.03% | 11.78% |
| <u>Compensated Absences Liability Allocation %'s</u> | | | | | | | | | |
| City of Laguna Beach | 10.28% | 10.42% | 10.65% | 11.45% | 11.46% | 11.41% | 11.47% | 11.62% | 11.46% |
| City of San Clemente | 0.64% | 0.64% | 0.62% | 0.59% | 0.54% | 0.53% | 0.58% | 0.64% | 0.69% |
| City of San Juan Capistrano | 10.59% | 10.18% | 10.17% | 9.87% | 9.91% | 10.00% | 10.23% | 10.64% | 10.88% |
| Emerald Bay Service District | 0.45% | 0.44% | 0.45% | 0.47% | 0.46% | 0.44% | 0.44% | 0.45% | 0.43% |
| El Toro Water District | 3.82% | 3.76% | 3.67% | 3.59% | 3.64% | 3.62% | 3.48% | 3.32% | 3.11% |
| Irvine Ranch Water District | 0.72% | 0.83% | 0.87% | 0.90% | 0.73% | 0.71% | 0.72% | 0.76% | 0.75% |
| Moulton Niguel Water District | 45.94% | 46.39% | 46.08% | 46.48% | 47.37% | 46.96% | 45.16% | 43.26% | 41.90% |
| South Coast Water District | 18.80% | 18.35% | 18.12% | 17.27% | 16.76% | 17.22% | 18.46% | 19.79% | 20.51% |
| Santa Margarita Water District | 8.74% | 8.99% | 9.38% | 9.37% | 9.12% | 9.09% | 9.40% | 9.46% | 10.20% |
| Trabuco Canyon Water District | | | | | | 0.02% | 0.05% | 0.06% | 0.08% |
| Total | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Funding PERS/OPEB Costs

- Advanced Discretionary Payment (ADP) Options
- Financial Benefits to SOCWA and Individual Member Agencies



Prepayment / Options & Methodology

Assumptions used for illustration:

1. FY 21-22 Actuarial Values - June 30, 2019 report
2. Pre-pay option applies only for Classic Plan.
3. Assume Member pre-pays their full UAL.
4. Target longest bases to maximize total % savings
5. UAL payment schedule *revised* after pre-payment
6. Rebalance % allocation for Other Members, pay UAL based on revised payment schedule



CalPERS New Base Determinations

- Reflects all differences between actual and assumed experience
- Two significant modifiers to a Base Year
 - Asset gain loss based on financial markets
 - Actuarial Assumptions changes
 - ❖ Mortality Rate
 - ❖ Discount Rate Adjustments
 - ❖ Inflation/COLA
- Cal PERS calculations to adjust a base are two years behind
- Base adjustments are identified to the applicable year and are easy to associate with individual years.

Example

| 18.64% | | | | 98.1% | | | 3.00% | | |
|-------------------------------|--------------|-----------------------------|-------------------------|-----------------------|-----------------------------|--------------------------|----------------------|---------------------|-------------------|
| Original UAL Payment Schedule | | | | Targeted UAL Payments | | | | | |
| | UAL Payments | South Coast Pro-Rata Saving | Net Member UAL Payments | UAL Payments | South Coast Base #10 98.06% | Member UAL After Pre-Pay | Member Savings | NPV | |
| 1 | 2021 | 1,177,800 | 219,542 | 958,258 | 1,177,800 | 154,477 | 1,023,323 | (65,065) | (63,170) |
| 2 | 2022 | 1,301,316 | 242,565 | 1,058,751 | 1,301,316 | 198,406 | 1,102,910 | (44,159) | (41,624) |
| 3 | 2023 | 1,376,457 | 256,572 | 1,119,886 | 1,376,457 | 203,863 | 1,172,595 | (52,709) | (48,236) |
| 4 | 2024 | 1,457,047 | 271,594 | 1,185,454 | 1,457,047 | 209,469 | 1,247,579 | (62,125) | (55,197) |
| 5 | 2025 | 1,500,806 | 279,750 | 1,221,056 | 1,500,806 | 215,229 | 1,285,577 | (64,521) | (55,656) |
| 6 | 2026 | 1,540,809 | 287,207 | 1,253,602 | 1,540,809 | 221,148 | 1,319,661 | (66,059) | (55,323) |
| 7 | 2027 | 1,581,912 | 294,868 | 1,287,044 | 1,581,912 | 227,230 | 1,354,683 | (67,639) | (54,997) |
| 8 | 2028 | 1,624,146 | 302,741 | 1,321,405 | 1,624,146 | 233,478 | 1,390,667 | (69,262) | (54,676) |
| 9 | 2029 | 1,667,541 | 310,830 | 1,356,711 | 1,667,541 | 239,899 | 1,427,641 | (70,931) | (54,362) |
| 10 | 2030 | 1,712,129 | 319,141 | 1,392,988 | 1,712,129 | 246,496 | 1,465,633 | (72,645) | (54,054) |
| 11 | 2031 | 1,757,943 | 327,681 | 1,430,263 | 1,757,943 | 253,275 | 1,504,668 | (74,406) | (53,752) |
| 12 | 2032 | 1,744,567 | 325,187 | 1,419,380 | 1,744,567 | 260,240 | 1,484,327 | (64,947) | (45,553) |
| 13 | 2033 | 1,729,161 | 322,316 | 1,406,845 | 1,729,161 | 267,397 | 1,461,764 | (54,919) | (37,397) |
| 14 | 2034 | 1,687,731 | 314,593 | 1,373,138 | 1,687,731 | 274,750 | 1,412,981 | (39,843) | (26,341) |
| 15 | 2035 | 1,615,264 | 301,085 | 1,314,179 | 1,615,264 | 282,306 | 1,332,958 | (18,780) | (12,054) |
| 16 | 2036 | 833,085 | 155,287 | 677,798 | 833,085 | 290,069 | 543,016 | 134,782 | 83,992 |
| 17 | 2037 | 739,756 | 137,891 | 601,866 | 739,756 | 298,046 | 441,710 | 160,155 | 96,897 |
| 18 | 2038 | 640,700 | 119,426 | 521,273 | 640,700 | 306,242 | 296,903 | 224,370 | 131,794 |
| 19 | 2039 | 563,033 | 104,949 | 458,084 | 563,033 | 314,664 | - | 458,084 | 261,239 |
| 20 | 2040 | 512,124 | 95,460 | 416,664 | 512,124 | 323,317 | - | 416,664 | 230,697 |
| 21 | 2041 | 363,996 | 67,849 | 296,147 | 363,996 | 332,208 | - | 296,147 | 159,194 |
| 22 | 2042 | 344,939 | 64,297 | 280,642 | 344,939 | 341,344 | - | 280,642 | 146,465 |
| 23 | 2043 | 271,898 | 50,682 | 221,216 | 271,898 | 350,731 | - | 221,216 | 112,089 |
| 24 | 2044 | 112,927 | 21,050 | 91,877 | 112,927 | 288,301 | - | 91,877 | 45,197 |
| 25 | 2045 | - | - | - | - | 222,172 | - | - | - |
| 26 | 2046 | - | - | - | - | 152,188 | - | - | - |
| 27 | 2047 | - | - | - | - | 78,186 | - | - | - |
| 28 | 2048 | - | - | - | - | - | - | - | - |
| | | \$ 27,857,087 | \$ 5,192,561 | \$ 22,664,526 | \$ 27,857,087 | \$ 6,785,130 | \$ 21,268,597 | \$ 1,395,929 | \$ 555,169 |
| | | \$ 15,844,602 | \$ 2,953,434 | \$ 12,891,168 | \$ 15,844,602 | \$ 2,953,434 | \$ 12,891,168 | | |

New Base Payments

Example

- Member agency pays off 2018 calculated base
- In 2021 CalPERS may adjust adding a new base
- Allocation to “paid” member
 - ❖ Percent based on average prior payroll allocation

Staff Recommendation

- Address PERS Increase Continued Growth
- Determine to Pre-pay (Advanced Discretionary Payments)
- Adopt Board Policy to Avoid 7% Growth in Cost
- Amend the JPA Agreement to Ensure Pre-Payment Credits
- Adopt method for Distribution of Future Base Adjustments

Finance Committee Discussion

- CalPERS Annual valuation report deals with funding and differs from GASB Financial Reporting Requirements
- UAL was included in Notes to Financial statements prior to GASB 68 in FY 2015
- OPEB liability was partially reported in Net Position Statement prior to GASB 75 in FY 2018
- PARS and Staff recommended OPEB Discount Rate Change may be appropriate for Board Policy Level decision. Reduction increases reported Liability but no Impact on Cash Payout
- Authority is wise to consider reducing OPEB Discount Rate; the Time Value of Money has changed, Federal Discount Rate is .25%

Options:

- Staff recommends Advanced Discretionary Payment – stops 7% compounded Growth in Liability (by whole or by agency)
- Member Agency creates an IRC Section 115 Irrevocable Exclusive Benefit Trust for their portion of the Unfunded Pension and OPEB (Retiree Health) Liabilities
- Agencies with Liabilities less than \$100k may consider full payment

Agenda Item

6c

Board of Directors Meeting

Meeting Date: September 3, 2020

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller
Jim Burror, Director of Operations

SUBJECT: Update on Small Capital Expenditures Year End June 30, 2020

Summary/Discussion/Overview

There is an unprecedented number of delayed small internal capital projects due to the ongoing COVID-19 Pandemic. There is \$565,000 worth of equipment orders placed but not yet received of the \$2,172,958 budget for the Fiscal Year ending June 30, 2020. This ordered equipment is anticipated to be received in the Fiscal Year ending June 30, 2021, and was delayed due to Pandemic related international disruptions of supply chains.

During the August 2020 Board Meeting, the SOCWA staff was requested to present this ongoing issue to the Finance Committee and the Committee discussed the item at its August 25, 2020 meeting and reviewed a list of pending small capital payments.

In past years, a small amount of unspent funding for delayed small capital projects was carried over as part of the Use Audit process. However, due to the amount of funding associated with the delayed small internal capital spending for 2019-20 Fiscal Year, the Board suggested that staff and the Finance Committee discuss the carry over.

Staff recommended to the Finance Committee that SOCWA continue with its past practice of addressing small internal capital carryover with the preparation of the Use Audit. The Committee considered a draft of a policy statement but after some discussion concurred in the staff recommendation and agreed that a policy statement was not necessary at this time. The Committee did ask that staff do their best to expend the budgeted funding prior to the close of the fiscal year, and also asked that staff evaluate with the close of each fiscal year and in time for the preparation of the budget the progress of spending for the small capital expenditures. Staff should identify during the budget preparation any expected need to carry over funding. Staff concurred that this would be possible and will do so.

Recommended Action: The Finance Committee recommends that the Board of Directors approve to carry over the small capital funding in the amount of \$565,000 with the Use Audit process for FY 2019-2020.

Agenda Item

6d

Board of Directors Meeting

Meeting Date: September 3, 2020

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

GENERAL

Update General Managers Meeting & JPA Revisions

The General Managers met on August 11, 2020 and considered three items including a report from General Counsel, Greg Moser, on the progress of preparing potential changes to the SOCWA JPA. General Counsel reported on meetings held with the Member Agency General Counsels to consider a draft document that addressed provisions to implement key concepts discussed last year. These key concepts are addressing: (1) uninsured liabilities; (2) unfunded pension obligations; (3) emergency responses; (4) rolling over the prior years' general, operations and maintenance budgets if not all member agencies have approved the new year's budgets; and (5) accounting for revenues from byproducts. The document also included a significant new proposal: superseding the thousands of pages of PC agreements with a simple, accessible exhibit to the joint powers agreement reflecting, by PC, the capacities owned by each agency and setting forth all PC-specific exceptions to the general rules of SOCWA for allocation of costs, voting or other matters. In addition, the draft contained language providing details regarding the scope of activities of SOCWA, as well as budgeting and financial procedures.

Based on the request of the Agency Attorneys, General Counsel has been working to prepare summary documentation of the many project committee agreements (PC Agreements) and policy decisions in place at today at SOCWA. This work will assist agencies in determining whether there are substantive provisions that should be included as document revisions are considered.

At the Managers Meeting two reports were provided by Ad Hoc Committees. The first report covered Recommended Areas of Analysis for Alternative Delivery of Wastewater Treatment Services. The next committee report covered the IRWD Request for Withdrawal from SOCWA. The related presentations and materials are attached hereto. MNWD invited comments to the Alternative Delivery proposal asking for submittal by August 31, 2020.

The next Managers Committee Meeting is scheduled to be held on October 8, 2020 from 1-4 p.m.

San Juan Creek Watershed Science Advisory Panel Prospectus

Clean Water Now (CWN) has submitted a proposal to regional agencies, including SOCWA to give consideration to participating in a San Juan Creek Watershed Science Advisory Panel for the purpose of collaborating regarding ongoing watershed-related research and permit compliance. The Proposal details an approach to a regionally committed, cooperative, watershed-based, science-informed and prioritized approach where focused improvement is placed first in the competition for resources.

The South Orange County cities and districts devote substantial resources to environmental compliance initiatives to address disparate regulatory needs and compliance requirements and a cooperative panel approach may lead to improved outcomes and efficiency of resources.

Report on Employee Reimbursements

Government Code Section 53065.5 requires that each special district disclose annual reimbursements paid of at least \$100 for individual charges for services or products received. Disclosable items include meals, transportation, lodging and registration fees paid to board members or employees. The attached reimbursements list for FY 2019-20 meets the disclosure requirement.

OPERATIONS AND MAINTENANCE

State Stage 3 Power Emergency in August 2020

In August, the State and the utilities requested water and wastewater agencies to reduce power usage, or use emergency generators, to reduce power consumption during a critical period from 4 PM to 10 PM for three consecutive very hot days. Staff worked to reduce energy usage and employ generators to remove a little over 1 MW (megawatt) or demand from the power grid. One MW powers about 1,000 homes. SOCWA also continued to produce and deliver recycled water during this emergency.

SDG&E Representative, Christopher Nanson, provided a thank you note to large customers saying "...I appreciate the help that I have received in order to get through this event and cannot emphasize how much your efforts to curtail energy kept the grid operating throughout the day – in fact the CAISO mentioned that because of the support from our region's industrial and large commercial customers like you we would not have been as successful in curtailing the load and keeping the lights on and the air conditioners running."

2020 Fire Season Update

There are currently over 370 active fires in California and reports of staffing shortages in remote areas of the State. As part of SOCWA's annual preparations for this fire season, the staff have been active with the following activities:

- Staff completed webinars on Public Safety Power Shutoffs (PSPS) for wildland fire areas.
- Staff continued to maintain fire access roads and trails around CTP and coordinate efforts with OC Parks.
- New staff to CTP have been updated on SOCWA's red flag policy in Safety Manual.
- Contractors at CTP have been reminded about SOCWA's red flag policy in Safety Manual.
- New staff to CTP have reviewed the wildland fire training notes from past fire sessions.
- All CTP and RTP O&M staff have reviewed the evacuation procedures for emergencies, including wildfires.

SAFETY

SOCWA Emergency Activations Summary for 2020 (including the 2019-2020 rainy season)

The year 2020 has been a year like no other when it comes to emergency declarations and events. The following is a summary of the emergency events to date for 2020:

- SOCWA Emergency Operations Center Activation due to severe rainstorms four (4) events – 11-2019 to 4-2020
- SOCWA Emergency Operations Center Activation due to an Effluent Transmission Main Line Break – 3-10-2020 to 3-13-2020
- COVID19 Pandemic Emergency with Multiple Federal, State and County Orders and Order Amendments – ongoing since 3-19-2020

- State and County Civil Unrest Orders due to multiple protests – 5-30-2020 to 6-22-2020
- Extreme Heat Event with Multiple Stage 2 and Stage 3 System Emergencies – 8-18-2020 to 8-20-2020

SOCWA staff has attended countless webinars, interagency coordination events, and County of Orange EOC calls. As part of these emergency events, SOCWA staff continues to review and update policies, procedures, and training needs. This includes the use of FEMA's Incident Command System (ICS) and related forms, emergency color-coding systems, spare parts inventory needs, and personal protective equipment (PPE) requirements.

Environmental Compliance

Air Quality Compliance – California Air Resources Board Consideration of Air Toxic Standards

SOCWA staff has worked in coordination with CASA and SCAP to support the submittal of information to the California Air Resources Board (CARB) important to the consideration of adoption of standards applicable to testing and reporting criteria for toxic air contaminants as required by AB2588. The standards at issue are referred to as Toxic Air Contaminants (TAC) and Emission Inventory Criteria and Guidelines (EICG). Due to a broad definition of TAC, proposed new testing requirements that are potentially applicable to wastewater treatment plants throughout California could trigger extensive (greater than 730) new sampling and reporting requirements for listed constituents and compounds. CASA and SCAP have been actively participating in meetings and discussions held since the Spring of 2020 to engage the CARB and develop an understanding of the current process used to identify constituents commonly found and released from wastewater plant environments. SOCWA tests for contaminants unique to this sector as required by South Coast Air Quality Management District on a quadrennial basis. The industry representatives are requesting that CARB allow for further development based on completion of a pooled emission estimation program (PEEP) study and continue reporting standards presently in place (agencies report based on agreements with local air districts) pending the study outcomes. The wastewater industry and waste industries in general are unique in that they take in water (or material) for disposal and do not therefore track chemical information with the entry of water (or material) to their facilities.

LACSD and SOCWA assisted SCAP in presentation of the request by submitting data to show our facilities do not emit the same type and level of toxins as manufacturing industry, therefore the outcome of the PEEP study is needed to identify whether there are compounds of concern from wastewater treatment.

SOCWA O&M Project Highlights

Staff at CTP are pictured beginning on page 4 below replacing a section of leaking plastic pipe that carries process water in the secondary treatment plant area at CTP. The existing pipe was installed about 20 years ago and is degraded and becoming brittle due to UV exposure.

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The new grit classifiers for CTP and RTP were recently delivered to SOCWA. The delivery was significantly delayed due to COVID-19 supply chain interruptions. O&M staff is in the process of scheduling their installations considering the ongoing construction projects at each of the plants.



CTP's Sludge Export Pump #3 has a rubber expansion joint failure that was replaced. The photos below show the O&M staff inspecting and replacing the failed rubber joint.



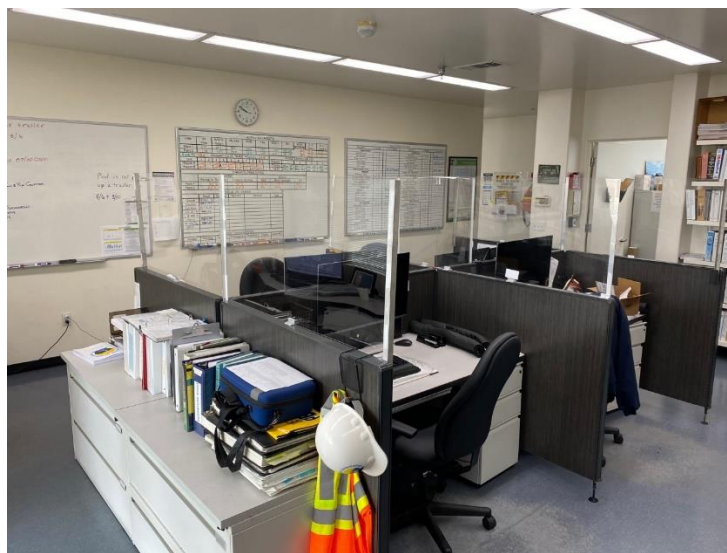
O&M staff regularly change oil and grease pumping equipment in the plants. Below are some photos of the equipment being maintained. Typical activities include draining and replacing oil, greasing bearings and motors, and inspecting drained oil. When O&M staff finds metal shavings, or other debris, in the drained oil that could impact the life of the equipment, they schedule the equipment for further investigation and assessment.



The photos below show the O&M staff inspecting and cleaning the SCWD influent magnetic meter at CTP. O&M staff monitors and compares flows to other meters in the plant to help ensure accurate flow metering for the member agencies. SCWD staff also provides SOCWA with their monthly pumping station flow data for additional verification. To help further ensure accurate metering, O&M staff annually calibrate the magnetic meters and periodically clean their liners. The O&M staff is shown here cleaning the meter liner with a chimney sweep.



O&M staff continues to monitor and improve working areas to protect employees from potential COVID-19 exposures. The photo below is a sample of the Plexiglas shields installed on all the common area cubicles at the three treatment plants.



The JBL O&M staff replaced the air supply line for the grit removal system. The old buried airline was severely corroded and failed. The grit system is an essential part of the treatment process, and it removes small rocks and other inorganic debris that wears on the plant equipment. O&M staff found a path to reroute the airline above ground and quickly reconstructed a new line. Below is one of the O&M staff welding together a section of the new line going into the grit basins.



Task Force Report: Alternative Delivery of Wastewater Treatment Services

SOCWA Managers Meeting
August 11, 2020



Background

- September 19, 2019 SOCWA Managers Meeting
- Formation of Task Force for Alternative Delivery of Wastewater Treatment Services
 - Participants: ETWD, MNWD, SMWD, SCWD
- Several Meetings Between September and February
 - Final memorandum from Task Force provided to SOCWA managers on March 4, 2020

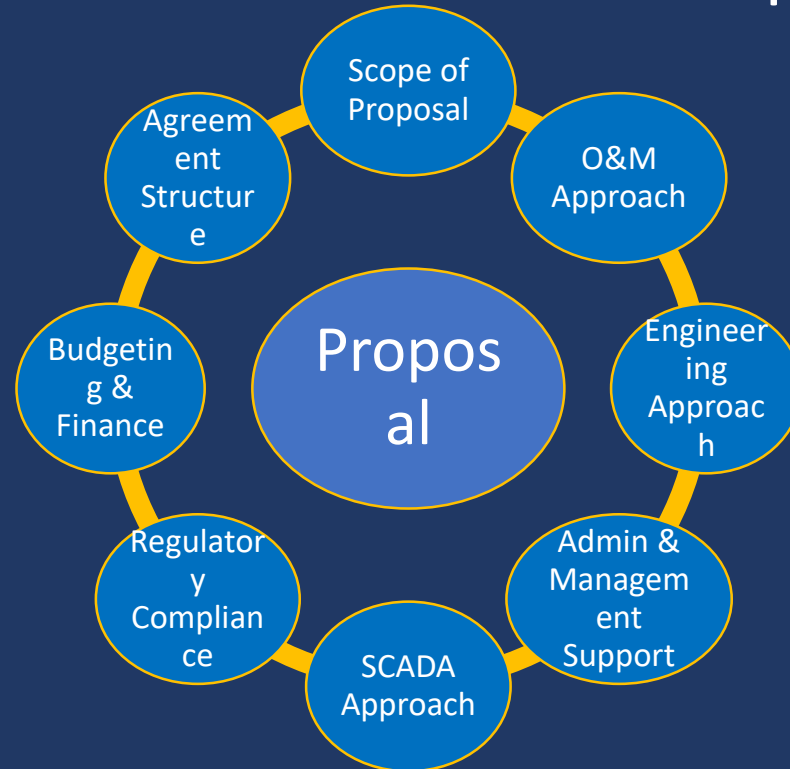


Purpose of the Task Force

- Develop a summary of areas to be evaluated to consider potential alternative delivery of services
 - Does not consider privatization of operations, at this time
- Focus was on wastewater treatment services
- Process did not include an evaluation of specific alternatives or options
- Comprehensive list of areas to be evaluated, but likely not exhaustive of all areas



Areas to be Addressed in Proposal



Areas to be Considered in Evaluating a Proposal

- Staff Qualifications
- Agency Qualifications
- Agency Approach for Transition and Implementation
- Cost Summary
- Cost Assessment



Governance Model

New Project Agreement

- Participating Agencies Identify Operating Agency
- Assets Move to Operating Agency
- Similar Models
 - JRWSS – SCWD
 - Baker WTP – IRWD
 - Upper Chiquita - SMWD

Utilize Existing JPA

- Participating Agencies Identify Operating Agency
- Assets Stay with JPA
- Similar Models
 - Santiago Aqueduct Commission - IRWD
 - AWMA



Next Steps for the Task Force

- Finalize Memorandum based on feedback from member agencies
 - All comments/feedback by **August 31st**
- What do you want us to do next?



March 4, 2020

South Orange County Wastewater Authority
Dan Ferons, Board Chairman
34156 Del Obispo St
Dana Point, CA 92629

RE: Recommended Areas of Analysis for Alternative Delivery of Wastewater Treatment Services

Dear Mr. Ferons,

At the last meeting of the South Orange County Wastewater Authority (SOCWA) member agency General Managers on September 19, 2019, the meeting attendees participated in several roundtable discussions focused on one of four categories:

1. **Exit/Change of Governance** – Should we make changes to the structure, service profile and governance of SOCWA?
2. **Alternative Delivery of Wastewater Treatment Services** – What would need to be analyzed to determine viability of another service provider?
3. **Alternative Delivery of Other SOCWA Services** – What services should be delivered by SOCWA or are there alternative service options?
4. **Re-Vision SOCWA with a future focus** – Should the current governance structure be retained or are there alternatives to update the structure?

A summary of the discussion from that meeting was provided to the attendees and the SOCWA Board of Directors. One output from that meeting was the formation of a task force to further discuss item #2 above, Alternative Delivery of Wastewater Treatment Services. Specifically, the task force was asked to develop a summary of the elements that should be evaluated to consider potential alternative service provider(s) for wastewater treatment, if desired. The task force consisted of Don Bunts (SMWD), Dennis Cafferty (ETWD), Matt Collings (MNWD), and Marc Serna (SCWD). Following several meetings of the task force, the attached documents were developed to provide a preliminary report to the member agency General Managers.

At your direction, we are available to present a summary of our efforts to the member agency General Managers for further discussion and consideration of possible next steps.

With Regards,



Matt Collings



Attachments:

1. Summary of 9/19/19 Table Discussion
2. Recommended Components of Analysis/Proposal for Alternative Delivery of Treatment Services
3. Recommended Elements for Consideration of Alternative Delivery of Treatment Services
4. High-Level Summary of Two Potential Governance Structures for Alternative Delivery of Treatment Services



Update and Re-Vision SOCWA Charrette Table Team Discussion Summary

Table 2

Topic: Services Provided by Plant (Who/How)

Table Leader: Joone Lopez

Question: There are two paths - Member agency/agencies versus an outside firm. What are the positives and negatives of each option?

Discussion/Analysis:

Issues/Considerations:

- Economically viable/Cost effective for all member agencies
- Expertise/Resources
- Efficiency
- What functions will be assumed? (admin, ops, finance, compliance)
- Benefits of change
- Liability/Responsibility
- Who's responsible when cost escalates in the future?

For outside party:

What happens when they go out of business?

Concerns with privatization:

- Accountability/reliability
- Types of facility: Outfall

SOCRA model worked:

- Agencies with greater interest / stake

Current JPA Agreement allows one or more member agencies to operate facility

Similar SOCWA

Agreement between operating
Agency and SOCWA
(SOCRA model)
Asset can stay with SOCWA

Different from SOCWA

Agreement among Agencies involved
Asset to operator

Consensus Summary: See above

Recommended Components of Analysis/Proposal for Alternative Delivery of Treatment Services

I. Define Scope of Proposal

- a. What is the location(s) of the service to be provided?
- b. Who is the proposed service provider?
- c. What is the purpose for the proposal/analysis?

II. Define Operations and Maintenance (O&M) Approach

- a. What are the operational compliance points/permit conditions to be met?
- b. How will those compliance points be measured and reported?
- c. What is the proposed staffing to be allocated for O&M?
 - i. What schedule is proposed?
- d. What contract services will be utilized to support O&M?
- e. Is there an approach/objective to reuse of treated wastewater?
- f. What is your approach to standby and emergency response?
- g. What is your approach to safety and risk management?
 - i. Describe your safety record, including spill response, workers compensation, property, and liability claims.
 - ii. Define the proposed insurance coverage for services.
 - iii. What is the allocation of liability and risk?
- h. What is your approach to evaluating energy consumption?
- i. What is your approach to evaluating emerging technologies?
- j. How would you approach preventative maintenance planning and execution?
- k. What software solutions will be utilized to support O&M?

III. Define Engineering Approach

- a. How will short-term and long-range capital planning be developed?
- b. How do you handle unanticipated or emergency projects that are identified?
- c. What is your approach to asset management?
- d. What is the approach to executing capital projects?
- e. What is the proposed staffing to be allocated for capital projects?
- f. What contract services will be utilized to support capital engineering?
- g. Will any software solutions be utilized to support capital engineering?

IV. Define Management and Administrative Support

- a. What services are included in the alternative delivery, i.e. finance, human resources, information technology, purchasing and procurement, etc.
 - i. What contract services, if any, will be utilized to support management and administrative support?
- b. Finance:
 - i. How will you set-up your account structure?
 - ii. Can it be reviewed and audited on a regular basis?
 - iii. How will financial reporting be provided?
- c. What is the proposed staffing to be allocated to support management and administrative?
- d. How will operational and financial data be provided to other entities?
- e. What software solutions exist or will be added to support provided functions?

V. Define SCADA Approach

- a. What SCADA solution would you provide and what is your plan for communicating with the treatment plants remotely?
- b. Is that an existing solution within your organization?
- c. What is the integration and translation process?
- d. What is your approach to alarm response and communication?

VI. Regulatory Compliance/Lab Services

- a. NPDES Discharge requirements:
 - i. Who will provide compliance oversight?
 - ii. How will sampling for compliance testing be performed?
 - iii. What resources do you have/need to provide compliance reporting?
- b. Recycled Water Use Permit:
 - i. Who will provide compliance oversight?
 - ii. How will sampling for compliance testing be performed?
 - iii. What resources do you have/need to provide compliance reporting?
- c. Air Quality Permit:
 - i. Who will provide compliance oversight?
 - ii. How will sampling for compliance testing be performed?
 - iii. What resources do you have/need to provide compliance reporting?
- d. Pretreatment/Industrial Dischargers and Diversions:
 - i. Who will provide compliance oversight?
 - ii. How will sampling for compliance testing be performed?
 - iii. What resources do you have/need to provide compliance reporting?
- e. Lab Services:
 - i. Who will provide laboratory services for the Plant?
 - ii. How will laboratory reporting be provided?

VII. Budgeting and Finance

- a. What is the proposed budget for the services?
- b. Please provide a five-year forecast for annual costs.
- c. How has your agency's budget and forecasts compared to actuals over the past three years?
- d. Please provide a five-year capital improvement program.
- e. What are the provisions if the forecast is exceeded?
- f. How will the long-term liabilities (Pension and OPEB) be addressed?
- g. What is the organizational approach and process to budgeting and long-range financial forecasting?
- h. What is your approach to invoicing for expenses?
- i. What type of financial reporting will be provided and how often?
- j. How will the fixed assets be managed and tracked?
- k. What annual data will be provided to agencies with capacity rights to complete their financial reporting?

VIII. What is the Agreement Structure?

Recommended Elements for Consideration of Alternative Delivery of Treatment Services

I. Staff Qualifications

- a. Proposed Staffing
- b. Staff Experience and Qualifications in Wastewater Plant Operations and Management
 - i. Current
 - ii. Minimum Proposed for all positions
- c. Contract Services Proposed and qualifications
- d. Comparative Analysis to existing and future planned SOCWA Staffing
- e. Staff engagement with wastewater industry organizations, e.g. CASA
- f. Other relevant qualifications

II. Agency Qualifications

- a. Direct Wastewater Plant Operations Experience
- b. Summary of Performance metrics over 10 years
- c. Summary of Operational efficiency metrics over 10 years
- d. Agency Level of Service Commitments and performance over 10 years
- e. What is the agency Financial position and/or stability?
- f. What is the proposed Agency Organizational Structure with Wastewater Plant Operations?
- g. What is the compliance record in Wastewater Plant Operations?
- h. What is the compliance record in Wastewater System Operations?
- i. What is the safety record for Wastewater Plant Operations?
- j. What is the summary of Wastewater, Recycled Water, Biosolids, and Energy Production Performance over 10 years?
- k. What is the agency O&M Budget vs. Actual performance over 10 years?
- l. What is the agency Capital Budget vs. Actual performance over 10 years?
- m. Does the agency have a defined Asset Management Program for both Vertical and Horizontal Assets?
- n. Agency engagement with wastewater industry organizations, e.g. CASA
- o. Other relevant qualifications?

III. Agency Approach for Transition and Implementation

- a. Level of Service Proposed
- b. Level of Service Comparative Analysis to existing SOCWA Plant Operations
- c. O&M Approach
- d. Engineering Approach
- e. Management and Administrative Support Approach
- f. Instrumentation and Controls / SCADA / GIS / CMMS Approach
- g. Regulatory Compliance
- h. Lab Services
- i. Finance Approach - Budgeting, Budget Management, Forecasting, Asset Mgmt, CIP and O&M Prioritization, PC Reporting
- j. Transition Approach
- k. SOCWA Organizational Impact and Staff Restructuring Proposed
 - l. Agreement Structure
- m. Overall Program Implementation
- n. Member Agency Coordination
- o. Other relevant required information

IV. Cost Summary

- a. Annual O&M Expenses over next 10 years
- b. Capital Delivery Expenses over next 10 years
- c. Administrative Expenses over next 10 years
- d. Comparative costs to existing SOCWA WW plant operations
- e. Net Impact to overall plant operations at remaining plants and facilities
- f. Guarantees / Performance provisions
- g. Cost Escalation / Indices / etc.

V. Cost Assessment

- a. Key Cost / Economic Metrics and Assumptions
- b. Net annual cost impact to PC members of Plant
- c. Net annual cost impact to all PC Members at remaining plants / facilities
- d. Positive / Negative impacts to Direct PC members of Plant
- e. Positive / Negative impacts to all PC members at remaining plants / facilities
- f. Long-Term Liability impacts to all PC members

High-Level Summary of Two Potential Governance Structures for Alternative Delivery of Treatment Services

I. Services Provided under a New Project Agreement

- Participating agencies contract with one agency (“Operating Agency”) to provide wastewater treatment services
- Operating Agency maintains assets on its books; Participating agencies have contract rights
- Similar Models:
 - Joint Regional Water Supply System – South Coast Water District
 - Baker Water Treatment Plant – Irvine Ranch Water District
 - Upper Chiquita Reservoir – Santa Margarita Water District

II. Services Provided under Existing Joint Powers Authority

- Participating agencies contract with one agency (“Operating Agency”) to provide wastewater treatment services
- SOCWA maintains assets on its books; Participating agencies have contract rights
- Similar Models:
 - Santiago Aqueduct Commission
 - Previous versions of AWMA



TASK FORCE PROPOSAL IRWD WITHDRAWAL FROM SOCWA

SOCWA Managers Meeting

August 11, 2020

Kevin Burton, IRWD

Dan Ferons, SMWD

Three Primary Paths for Change in Participation in SOCWA

01

Withdrawing from the JPA and assigning capacity ownership and obligations to another agency

02

Withdrawing from the JPA, maintain ownership of capacity and contract for services

03

Withdrawing from a Project Committee through agreement with other PC Members.

Test Case: Irvine Ranch Water District

- IRWD sends effluent from its Los Alisos Water Recycling Plant through the Effluent Transmission Main to the Aliso Creek Ocean Outfall (PC 21 and 24)
- IRWD currently participates in the SOCWA pretreatment program (PC 8)
- Request to Withdraw
 - Minor percentage ownership compared to obligations of participating in meetings and governance issues
 - Proposing to right-size their participation
 - Annual review of costs and charges
 - Participation in any engineering study on facilities in which they have capacity
- Other Agencies that may consider this option include City of San Clemente and Trabuco Canyon Water District

Key Draft Terms

- IRWD will withdraw from the SOCWA JPA and Project Committees
 - Retaining its current use capacity in Reaches B through E of the Effluent Transmission Main and the Aliso Creek Ocean Outfall.
- IRWD will not have a Board seat.
- Cost for IRWD's contract services will be the same as the SOCWA Board approved costs for JPA members of PC 8, 21 and 24, inclusive of general administrative costs.
 - i.e. no change in what they currently pay
- IRWD will fund its portion of the unfunded public pension liability.

Draft Terms Continued

- Contract services continue until a mutually approved termination.
- IRWD will remain
 - Advisory member of the SOCWA Engineering Committee for items covered by Project Committees 21 and 24.
 - Participant in SOCWA contracts for chemicals, solids hauling, etc. that SOCWA negotiates.
- IRWD will only be responsible for permit violations and fines that are directly attributable to IRWD's discharge.
- IRWD will continue to be governed by SOCWA's Pre-Treatment Rules/Regulations until such time as IRWD and SOCWA mutually agree to an alternate agreement.



QUESTIONS, COMMENTS

**South Orange County Wastewater Authority
Task-Force Report
Alternatives for Transition to Contract Services with SOCWA**

To: Member Agency Managers

Date: August 11, 2020

From: Kevin Burton, IRWD
Dan Ferons, SMWD

DISCUSSION:

Over the last couple of years, Member Agencies have discussed potential changes in their level of participation in SOCWA and/or its Project Committees (PC). There are primary three paths:

1. Withdrawing from the Joint Powers Agreement (JPA) and assigning capacity ownership and obligations to another member agency, i.e. SMWD's proposed annexation of the City of San Juan Capistrano (CSJC). Status is a draft agreement is being reviewed by legal counsel for SMWD, CSJC and SOCWA. The proposal was discussed during the recent Member Agency legal counsel meeting concerning provisions that capacity may be swapped between PC participating agencies.
2. Withdrawing from the JPA, maintaining capacity ownership and contracting for services, i.e. IRWD's proposed contracting for ocean disposal services through the Effluent Transmission Main and Aliso Creek Ocean Outfall. Status is the subject of this Task Force and discussion today.
3. Withdrawing from a PC through agreement with other participants. i.e. MNWD's proposed withdrawal from PC 15. Status is work is under way by PC 15 members.

Contracting for Services:

Test Case: IRWD sends effluent from its Los Alisos Water Recycling Plant through the Effluent Transmission Main to the Aliso Creek Ocean Outfall and participates in PC 8 permitting. IRWD does not participate in any treatment plant project committees. From an administrative perspective, they would like to withdraw from the JPA participation and contract because their percentage ownership is minor compared to the obligations to participate in regular meetings and overall governance of the JPA. In other words, they would like to review a budget and annual charge once a year instead.

Other examples of Member Agencies that may be considering options are the City of San Clemente's disposal of effluent out the San Juan Ocean Outfall and Trabuco Canyon Water District's (TCWD) participation in permitting service. The difference with TCWD is that they do not own any capacity in PC facilities.

The following is a draft outline of a proposal for discussion, it has not been formally reviewed by IRWD's Board.

TASK FORCE PROPOSAL
for IRWD Withdrawal from SOCWA JPA and PCs
Draft Term Sheet
August 11, 2020

1. IRWD will withdraw from the SOCWA JPA and Project Committees and retain its current use capacity in Reaches B through E of the Effluent Transmission Main and the Aliso Creek Ocean Outfall.
2. IRWD will contract with SOCWA for services equivalent to Project Committees 8, 21 and 24.
3. The cost for IRWD's contract services will be the same as the SOCWA Board approved costs for JPA members of Project Committees 8, 21 and 24, inclusive of general administrative costs.
4. IRWD will fund its portion of the unfunded public pension liability.
5. IRWD's contract services will continue until such time as IRWD and SOCWA mutually agree to a termination agreement.
6. IRWD will remain an advisory member of the SOCWA Engineering Committee for items covered by Project Committees 21 and 24.
7. IRWD will not have a representative on the SOCWA Board.
8. IRWD will be allowed to participate in SOCWA contracts for chemicals, solids hauling, etc. that SOCWA negotiates.
9. IRWD will only be responsible for permit violations and fines that are directly attributable to IRWD's discharge.
10. IRWD will continue to be governed by SOCWA's Pre-Treatment Rules/Regulations until such time as IRWD and SOCWA mutually agree to an alternate agreement.



CLEAN WATER NOW

is an innovative, science-based organization committed to solution-oriented collaboration as a means of developing safe, sustainable water supplies and preserving healthy ecosystems.

To: Santa Margarita Water District Board & Staff
South Coast Water District Board & Staff
South Orange County Wastewater Authority Board & Staff
San Juan Basin Authority
Rancho Mission Viejo

Subject: San Juan Creek Watershed Science Advisory Panel (SJCWSAP)

Date: August 24, 2020

Preface

Clean Water Now (CWN) is proposing that the various Stakeholders in the San Juan Creek Watershed form their own **Science Advisory Panel** to collaborate regarding ongoing watershed-related research and permit compliance efforts to ensure that the work is coordinated plus avoids mutually exclusive or "**zero sum**" outcomes.

We're suggesting a regionally committed, cooperative, watershed-based, science-informed and prioritized approach where focused improvement is placed first in the competition for resources.

CWN earnestly believes that it is time for those with both interests and projects underway within the SJCW, e.g., replenishment, recycled water expansion, County and JPA analyses, waste discharge permitting agencies, etc. to consider this proposal.

The conversation and socializing need progression ASAP if you and your respective bodies are interested and sense prioritized urgency as we do. This sense of urgency arises from the varied and competing interests in water supply (imported, stored, locally sourced), recycled water needs (place of production, distribution, finite supply, control), countervailing environmental mandates (highest and best use of water, water quality and quantity of use), and overall slow progress in meeting long standing environmental improvement goals.

History

In the past 10 years since CWN's pivot towards promoting development of safe, sustainable water supplies and preserving healthy ecosystems, we've ramped up both our monitoring and attendance at the numerous South Orange County (SOC) public meetings, hearings and workshops.

Unfortunately, our influence, input and criticism have received scant nods in the form of token recognition of concerns. In fact, public agencies have been slow to respond and limited in their responses due to the continuing pressures to address the primary concerns of permit response approaches, plan development and deadline.

As a result, CWN sees itself as marginalized and limited to the periphery by public agencies. Perhaps one of the reasons that SOC Non-Government Organization (NGO) attendance is sparse is due to the same perceived lack of empowerment that we sense?

CWN is at times the sole, constant NGO attendee at most of these venues, whether OCPW's organized meetings, or those convened by SJBA, SCWD, SOCWA or SMWD. CWN believes in holding SOC governance agencies to the highest standards of compliance accountability, to the maximum extent practicable by our small, all-volunteer grass roots watchdog in its 23rd year.

No organization has remained as focused and committed to the combining of regional solutions with achievable environmental improvement to address the history of urbanization without care for environmental impact. These impacts can be seen **(a)** In the failure to account for local water supply and storage, to meeting all future needs of the growing population of South Orange County communities, **(b)** In the historical failure to plan and execute development without destruction of natural water ways (environmental vandalism) and the corrosive, degrading impacts of urbanized storm and dry weather runoff and **(c)** In the endless studies by designer environmental advisors whose theoretical options "*du jour*" lack commitment, we feel fail to pursue sound, verifiable science.

Our observations, since the R9-2015 (MS4) SOC certification which amended the Regional 2013 Permit, the follow-up SOC WQIP (2017) that was approved by the San Diego Regional Water Quality Control Board (SDRWQCB), lead us to propose a different arc, an altered, alternative strategy or option, one more consensual and in a vastly improved collaborative atmosphere.

(cont.)

We believe what's needed is a unified systems approach, one able to review the complex relationships between the various permit requirements, environmental constraints and goals in a non-judgmental, consensually effective manner.

CWN has been fair in its constant criticism: Historically, SOC agencies work in silos and are not actively pursuing integrated watershed management as a whole. Rather the current County-led meetings pay lip service and, in our estimation, will never accomplish what this prospectus addresses head on, bluntly, with no apologies but with the hope that it finds resonance.

OCPW, Municipal Stormwater Co-permittees (MS4 co-permittees), RMV, plus water providers and wastewater/recycling utilities, are in their respective compliance chambers, navigating within their regulated lanes. Realistically, the vast gamut of permits don't seem to be thoroughly, fully integrated into a discernable, readily comprehensible master plan responsive to Stakeholders.

Everyone has "**boxes to check**" and as an interested, committed public Stakeholder, CWN sees a high degree of incongruence and disharmony that can be avoided with committed attention to the common interest in the restoration, preservation and protection of this watershed.

Yes, forward planning is taking place, but within the guardrails (guidelines) or singular lanes of the respective major players jurisdictional compliance and regulatory requirements.

Yes, at times the lanes (issues/elements) overlap like a Venn diagram, creating some degree of mandated axiomatic associations, but inevitably dissonance (confusion) occurs regarding competing needs and performance.

CWN has observed the sole-source vendors and consultants driving and then justifying SOC MS4 deliverables, projects and permit compliance by the various agencies and entities, sustaining their unique goals and objectives.

They appear to differ substantially from those common to many SJCW Stakeholders, especially eco-NGOs, inevitably leading to barely hidden friction without any specter, any hope of respite.

Often, it seems the disparities between permits and regulatory enforcement are inherently at odds, disconnected, no unified planning, no cohesive approach that attempts to seamlessly manifest accepted industry metrics.

(cont.)

We champion the classic engineer's maxim, "*Specific, Measurable, Achievable, Realistic & Timely*," **S.M.A.R.T** projects and outcomes formed in committed, consensual agreement and worthy of precious fiscal resources to accomplish.

The County has tried its own approach via management of the IRWP, SOCWMA, WQIP and Aliso Creek Stakeholder efforts. However, when attending their meetings, it's glaringly obvious to CWN that not everyone is on the same page or level of comprehension.

The MS4 co-permittees (municipalities) and their respective staffs know little about the water industry nor understand something nuanced like the San Juan Watershed Salt and Nutrient Management Plan (SNMP), Title 22 restrictions, water rights, waste treatment facilities, ocean outfall discharge permits, the difference between necessary and self-interested science, etc.

Conversely, water-related utilities have little if any MS4 institutional capacity or many specific historical experiences except when projects warrant such review, resulting in a vague comprehension regarding NPDES compliance burdens placed upon the lead County and its Co-permittees.

Land ownership or land preserve requirements are not even discussed; this leads to parochial support, with each agency sticking to its own self-interest.

Ultimately, the administrating lead entity (MS4, utility or large private landowner) is working in a classic **transactional compliance mode** instead of as a holistic watershed planner viewing the big picture. They can't force such an integration, but flexible thinking could help solve the riddle, i.e., pursue and expound a buffered, negotiated resolution to the dilemma.

CWN proposes that now is the appropriate time to bring these deficiencies to ground and formalize an approach that promises to put in place a solid foundation of science needed to prioritize local, realistic and achievable objectives.

CWN assumes that this leads to natural and reasonable questions: Why? Why constellate yet another working group, granted one more informal and egalitarian as CWN proposes, why should it be convened, is it necessary?

Who/what would it be comprised of and let's face it, funding is always critical, so how much would it cost participants and still be financially sustainable?

San Juan Creek Watershed Science Advisory Panel (SJCWSAP)

First, the title is just a temporary placeholder, it will brand (name) itself. Since the Aliso Creek Watershed has its own Stakeholder Group and OCPW is focused upon activities there per the MS4 requirements, the SJCW portion of the SJ Hydrologic Unit is ripe for a new vision, a **transformational** process.

CWN isn't offering another confounding, frustrating, superfluous and complex layer of governance, nor an expensive, useless, redundant panel which ultimately becomes a self-serving group that must justify its own existence.

In fact, CWN is proposing an equitable approach that would have all parties on par in earnest, in a situation with no elevated dais; a type of literal and figurative level playing field, in a collegial workshop environment enjoying an equal share in the positive outcomes of a collaborative, sharing group.

Obviously, for the immediate future it'll have to be a virtual venue. Such a SJCWSAP has been discussed and efforts have been made, e.g., the SMWD recycled water workshop a few years ago. The concept isn't really fresh but the openly transparent pleading and encouragement by an NGO is.

We ask you to consider a parallel yet critical path to each of your agencies ongoing unilateral efforts: Assemble an independent, science-based group for the SJCW, totally autonomous, that can analyze and supply objective data and guidance provided by, and drawing upon, input from all participants.

Granted, there has, is, and will be friction because inherently the array of permits do not consistently identify, discretely or definitively prioritize the same issues requiring attention, let alone real consensus-driven solutions in a top-to-bottom swath, on a common sense watershed scale basis.

CWN believes that this SJCWSAP is a natural extension of the current efforts and would also find favor with those disconcerted by the status quo. It should also become a legitimate venue for independent peer review of emerging, advanced studies and technologies, a revisiting of extant conventional ones.

The County meetings neither lend themselves to, nor avail themselves of such opportunities, i.e., scrutinized peer reviews that would ultimately lead to systemic improvements, educating and assisting all Stakeholders. CWN believes the current approach is a form of "**designer environmentalism.**"

(cont.)

SOC has a tremendously talented advisory inventory at RMV, SOCWA, SMWD *et al*, but they could be more efficient in the SJCW if coalesced, i.e., condensed and acknowledged equal weight, rightful peers for integrated watershed planning in respect to OCPW's MS4 and Co-permittees WQIP processes.

All of the core entities we wish engaged have high-quality employees, reliable outside vendors, including in-place, prestigious academic collaborations, so the candidate pool for our proposal exists and is wonderfully robust.

Seed funding could be achieved via modest extensions of, or addenda to, current contracts. Grants should be explored for long run endurance.

In our opinion, this watershed, unlike the intensely urbanized Aliso Creek Watershed, is salvageable in relation to its historical past (due no doubt to a larger % of undisturbed open space acreage) if common goals/objectives are pursued and then actualized.

The SJCW hasn't experienced nor displays the "**environmental vandalism**," i.e., the degradative impacts and attendant deterioration of an intensely over-developed watershed like Aliso Creek.

Below are our suggestions regarding founding core members. Consider them as launch points for discussion.

The three (3) constituents we've identified in "**liaison**" positions is meant to acknowledge their importance, their unique niche, if they choose to passively monitor and/or actively participate in the endeavor:

- Drinking & recycled water utility practitioners (SMWD & SCWD)
- A wastewater utility practitioner (SOCWA)
- A watershed manager (SJBA)
- MS4 responsible party (engaged local City representative)
- MS4 liaison (OCPW)
- A funding partner (an elected IRWM representative)
- The largest private landowner/developer (RMV)
- Academia: UCI Water and/or Scripps
- A veteran SJCW Hydrogeologist (WEI)
- A SJCW public stakeholder representative
- SDRWQCB liaison
- MWDOC liaison

(cont.)

CWN embraces **Adaptive Management**, and a critical, necessary, inclusive element of that is **Conflict Resolution**. We believe that the SJCWSAP concept is a worthy example of implemented CR methodology. Ignoring or avoiding problems cannot resolve a systemic, distracting sense of contention.

The SJCWSAP is in essence middle ground, as proposed a more objective approach or path without pre-disposed, biased, traditionally transactional outcomes.

Thank you in advance for the time spent reviewing this prospectus. CWN offers any assistance we can provide upon request.

Please feel free to contact me if you've any questions.

From the desk of

Roger E. Bütow

Founder & Executive Director

Clean Water Now (Established in 1998)

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Direct landline: (949) 715.1912 (VM **after** 6 rings/No TM)

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CLEAN WATER NOW *is an innovative, science-based organization committed to solution-oriented collaboration as a means of developing safe, sustainable water supplies while preserving healthy ecosystems.*

REIMBURSEMENT LOG FISCAL YEAR 2019-2020

| Employee Name | Date | Ck # | Amount | Description |
|--------------------|------------|------|------------|---|
| Ash, Dina | | | | |
| | 10/30/2019 | 2078 | \$259.00 | ADP Conference - expenses |
| | 12/18/2019 | 2139 | \$152.48 | Staff reconginition event |
| Bacon, Keith | | | | |
| | 7/9/2019 | 6010 | \$879.96 | Hach WIMS Conference - travel |
| | 8/7/2019 | 6110 | \$296.00 | CWEA Membership Renewal |
| Baranowski, David | | | | |
| | 2/3/2020 | 6767 | \$170.43 | HAZWOPER training and mileage |
| | 3/11/2020 | 6906 | \$116.00 | PE License renewal fee |
| Baylor, Amber | | | | |
| | 10/15/2019 | 2049 | \$110.00 | Water Board treatment certificate |
| Burnett, Betty | | | | |
| | 8/23/2019 | 6595 | \$210.00 | CSMRA Conference - expenses |
| Carey, Mary | | | | |
| | 4/30/2020 | 2356 | \$249.66 | Telephone reimbursement - COVID 19 Related |
| | 6/18/2020 | 2392 | \$144.47 | Telephone reimbursement - COVID 19 Related |
| Christensen, Paul | | | | |
| | 1/20/2020 | 6768 | \$200.00 | Safety shoes |
| Connor, Teri | | | | |
| | 7/25/2019 | 1904 | \$170.00 | Grade 2 certificate |
| | 12/2/2019 | 2133 | \$227.53 | Wastewater Class |
| Cotinola, Jeanette | | | | |
| | 8/22/2019 | 1956 | \$125.82 | Mileage |
| | 2/24/2020 | 2218 | \$603.45 | CAPPO Conference - expenses |
| | 2/25/2020 | 2218 | \$113.79 | Mileage |
| Dos Santos, Bruno | | | | |
| | 10/23/2019 | 6382 | \$200.00 | Safety shoes |
| Gardner, Richard | | | | |
| | 5/23/2020 | 2412 | \$296.00 | CWEA Membership and Certification renewal |
| | 6/27/2020 | 2454 | \$193.94 | Safety shoes |
| Gesiriech, Gage | | | | |
| | 7/27/2019 | 6072 | \$322.00 | WEF Membership |
| | 7/27/2019 | 6072 | \$192.00 | CWEA Membership |
| | 8/21/2019 | 6166 | \$101.96 | Tri-State Conference - travel |
| | 1/21/2020 | 6720 | \$200.00 | Safety shoes |
| | 2/13/2020 | 6789 | \$650.00 | Fall protection class for G. Gesiriech and D. Padilla |
| | 3/31/2020 | 6947 | \$104.00 | CWEA Membership |
| Harper, Mike | | | | |
| | 7/18/2019 | 6024 | \$200.00 | Safety shoes |
| Jones, James | | | | |
| | 7/11/2019 | 6028 | \$1,964.95 | WEFTEC Conference - travel |
| | 10/2/2019 | 6561 | \$104.10 | WEFTEC Conference - expenses |
| | 5/19/2020 | 7132 | \$150.00 | Grade 5 renewal |
| | 6/24/2020 | 7341 | \$195.00 | Safety shoes |
| Kallberg, Bob | | | | |
| | 9/12/2019 | 6229 | \$810.00 | Hach WIMS Conference - expenses |
| | 9/12/2019 | 6229 | \$458.21 | Hach WIMS Conference - travel |
| Lloyd, David | | | | |
| | 8/30/2019 | 2070 | \$106.26 | Mileage |
| Luce, Daethina | | | | |
| | 7/15/2019 | 6077 | \$183.16 | Safety shoes |

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|---------------------|------------|------|------------|-------------------------------------|
| Manning, Jason | | | | |
| | 8/12/2019 | 1961 | \$167.96 | Tri-State Conference - travel |
| | 8/12/2019 | 1961 | \$279.30 | Tri-State Conference - expenses |
| | 2/11/2020 | 2201 | \$332.00 | WEF Membership |
| | 2/11/2020 | 2201 | \$116.00 | PE renewal |
| | 2/11/2020 | 2201 | \$520.00 | Utilities Conference - registration |
| Matson, Micheal | | | | |
| | 1/21/2019 | 6231 | \$200.00 | Safety shoes |
| McConnell, Jared | | | | |
| | 12/2/2019 | 6540 | \$147.32 | Mileage |
| Nuzzo, Garrett | | | | |
| | 10/31/2019 | 6453 | \$1,986.00 | Tuition Reimbursement |
| | 12/31/2019 | 6629 | \$1,014.00 | Tuition Reimbursement |
| | 3/9/2020 | 6922 | \$1,986.00 | Tuition Reimbursement |
| | 5/12/2020 | 7274 | \$1,014.00 | Tuition Reimbursement |
| Paddock, Bill | | | | |
| | 9/11/2019 | 6297 | \$246.75 | Chop Saw at Home Depot |
| | 9/19/2019 | 6297 | \$675.00 | WEF TECH Conference - registration |
| | 10/3/2019 | 6402 | \$1,050.84 | WEF TECH Conference - expenses |
| Padilla, Derek | | | | |
| | 12/19/2019 | 6630 | \$205.00 | CWEA Grade III Test |
| | 4/28/2020 | 7103 | \$192.00 | CWEA Membership renewal |
| Pappas, Josh | | | | |
| | 8/16/2019 | 6239 | \$154.86 | Mileage |
| | 1/17/2020 | 6742 | \$295.00 | Grade 5 exam fee |
| | 1/17/2020 | 6742 | \$255.00 | Grade 5 Certificate fee |
| Paranal, Bryan | | | | |
| | 6/20/2020 | 7313 | \$192.00 | CWEA Membership renewal |
| Peacher, Sean | | | | |
| | 11/6/2019 | 6457 | \$221.55 | CESA Conference - travel |
| | 6/16/2020 | 7250 | \$110.40 | Mileage |
| Peter, Phillip | | | | |
| | 8/16/2019 | 6205 | \$315.52 | Tri-State Conference - travel |
| | 7/15/2019 | 6040 | \$200.00 | Grade III Exam Fee |
| | 10/18/2019 | 6428 | \$192.00 | CWEA certificate |
| Protopappas, Jason | | | | |
| | 7/22/2019 | 6089 | \$194.95 | Safety shoes |
| Rachac, Adam | | | | |
| | 8/30/2019 | 6241 | \$192.00 | CWEA Membership renewal |
| | 10/7/2019 | 6405 | \$200.00 | Safety shoes |
| | 12/24/2019 | 6632 | \$495.56 | Tuition Reimbursement |
| Ranahan, Jim | | | | |
| | 9/20/2019 | 6348 | \$609.92 | Hach WIMS Conference - expenses |
| Riegeler, Sean | | | | |
| | 11/23/2019 | 6548 | \$155.60 | Safety shoes |
| Reed, David | | | | |
| | 7/22/2019 | 6090 | \$104.00 | CWEA Membership renewal |
| | 2/25/2020 | 6851 | \$192.00 | CWEA Membership renewal |
| Santos, Charles | | | | |
| | 7/11/2019 | 6043 | \$835.96 | Hach WIMS Conference - travel |
| | 8/31/2019 | 6349 | \$762.40 | Hach WIMS conference - expenses |
| Shilkov, Konstantin | | | | |
| | 5/5/2020 | 2339 | \$1,500.00 | Tuition Reimbursement |
| Stiles, Michael | | | | |
| | 1/31/2020 | 6775 | \$158.70 | Mileage |

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|-------------------|------------|------|------------|--|
| Vasquez, Daniel | 8/1/2019 | 6128 | \$195.74 | Safety shoes |
| | 8/12/2019 | 6183 | \$376.96 | Tri-State Conference - travel |
| | 8/12/2019 | 6183 | \$279.30 | Tri-State Conference - expenses |
| Vassell, Bradley | 10/31/2019 | 6464 | \$295.00 | Grade III Exam Fee |
| | 6/15/2020 | 7260 | \$311.30 | Tuition Reimbursement |
| Velasco, Fernando | 1/30/2020 | 6762 | \$188.00 | CWEA Membership |
| | 1/30/2020 | 6762 | \$205.00 | Grade III Exam Fee |
| Vincent, Kyle | 11/25/2019 | 6555 | \$185.00 | Mechanical Grade II Exam Fee |
| | 6/26/2020 | 7328 | \$192.00 | CWEA Membership |
| Wang, Katrina | 11/25/2019 | 6763 | \$147.53 | Shipping thermometers |
| | 1/20/2020 | 6763 | \$102.68 | Safety shoes |
| Watson, Laura | 8/2/2019 | 6152 | \$172.40 | Safety shoes |
| Weneta, Matt | 7/18/2019 | 6053 | \$255.00 | Grade IV Certification fee |
| | 7/18/2019 | 6053 | \$365.00 | Grade IV Exam fee |
| Wheeler, Dan | 8/9/2019 | 6185 | \$279.30 | Tri-State Conference - expenses |
| | 8/9/2019 | 6185 | \$239.94 | Tri-State Conference - registration and travel |
| Young, Roni | 7/18/2019 | 1895 | \$897.00 | PE Prep Course |
| | 9/27/2019 | 2045 | \$543.60 | WEFTEC Conference - travel |
| | 9/27/2019 | 2045 | \$1,050.82 | WEFTEC Conference - expenses |
| | 9/27/2019 | 2045 | \$765.00 | WEFTEC Conference - registration |
| | 1/8/2020 | 2158 | \$104.44 | Mileage |
| | 2/4/2020 | 2194 | \$332.00 | WEF Membership |
| | 2/19/2020 | 2204 | \$249.80 | CWEA Conference - travel |
| | 2/19/2020 | 2204 | \$306.84 | CWEA Conference - expenses |
| | 2/19/2020 | 2204 | \$525.00 | CWEA Conference - registration |