

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*

Thursday, October 4, 2018
8:30 a.m.

THE BOARD OF DIRECTORS MEETING ROOM IS LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA. THE ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS (I.E. ACCESS TO AN AMPLIFIED SOUND SYSTEM, ETC.), PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY'S OFFICE AT 949-234-5421 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY 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 FOR PUBLIC INSPECTION IN THE AUTHORITY OFFICE, 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE"). 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 AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BOARD OF DIRECTORS MEETING ROOM.

1. CALL MEETING TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ORAL COMMUNICATIONS

A. 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 item is discussed by the board. There will be a three-minute limit for public comments.

4. CONSENT CALENDAR

A. Minutes of Board of Directors Meeting(s)

Board of Directors Meeting September 6, 2018 1

ACTION The Board will be requested to approve subject Minutes.

AGENDA
 South Orange County Wastewater Authority
 Board of Directors Meeting
 October 4, 2018

B. Minutes of Finance Committee Meeting(s)

Finance Committee Meeting December 6, 2017..... 26

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

C. Financial Matters

- 1) Monthly Financials Report for June 2018 29
 - a) Summary of Disbursements for June 2018 – Exhibit A 31
 - b) Schedule of Funds Available for Reinvestment – Exhibit B..... 32
 - c) Schedule of Cash and Investments – Exhibit C..... 33
 - d) Capital Summaries – Exhibit D 34
 - Capital Projects - Graph – Exhibit D1 35
 - e) Budget vs. Actual Expenses
 - O&M Budget vs. Actual Comparison by PC – Exhibit E1 & E1.2..... 36
 - Budget vs. Actual Comparison - Engineering – Exhibit E2 44
 - Budget vs. Actual Comparison Administration – Exhibit E3..... 45
 - Actual General Fund Expenses Exhibit E3.2 46
 - Budget vs. Actual Comparison Information Technology (IT) – Exhibit E4... 47
 - f) FY 2017-18 Actual Fringe Pool and Fringe Rate, 75.8 percent compared to Budget Fringe Rate of 74.2 percent, a 1 percent Change (Exhibit E5) ... 48

ACTION The Board will be requested to ratify the Summary of Disbursements for the period from June 1, 2018 through June 30 2018, totaling \$2,432,143, and to receive and file the June 2018 Financial Reports as submitted.

D. Operational Reports

- 1) Monthly Operations Report – August 2018 49
- 2) Ocean Outfall Discharges..... 60
- 3) Beach/Ocean Monitoring Report..... 62
- 4) Recycled Water Report..... 85
- 5) Pretreatment Report 89

ACTION The Board will be requested to receive and file the *August 2018 Operations Report*.

E. Capital Improvement Program

Status Report(s) 92

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

AGENDA

South Orange County Wastewater Authority
Board of Directors Meeting
October 4, 2018

F. Project Committee No. 2

Change Order – Carollo Engineers Design Service Contract [PC2]..... 105

ACTION The PC2 Board will be requested to approve Change Orders 5 and 6 to the design services contract with Carollo Engineers for the J.B. Latham Treatment Plant Package ‘B’ Improvements Project in the amount of \$65,594.

G. Minutes of Engineering Committee Meeting(s)

Engineering Committee Meeting August 9, 2018..... 108

Engineering Committee Meeting May 10, 2018 111

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

5. ENGINEERING MATTERS

A. Award Contract – CTP Tertiary System Upgrade Project [PC 15]..... 117

ACTION The Board will be requested to approve the award of construction contract to SS Mechanical at a price not to exceed \$883,211.

6. GENERAL MANAGER’S REPORTS

A. Final 2016-17 Use Audit..... 124

ACTION The Board will be requested to approve the Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the FY 2016-17 Use Audit as submitted.

B. Final 2016-17 Use Audit Reconciliation to Finance Statements Audit 208

ACTION The Board will be requested to receive and file the SOCWA Financial Reconciliation for the Year Ended June 30, 2017.

C. Unfunded Pension Liability (UAL) Distribution by Member Agencies Results and Recommendation 210

ACTION The Board will be requested to approve member agency Distribution Percentages, Timing and Future Application (as detailed in staff report).

D. Monthly Progress Report on State Audit Recommendations 238

ACTION The Board will be requested to receive and file the *Monthly Progress Report on State Audit Recommendations* – State Audit Response Schedule.

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South Orange County Wastewater Authority
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E. Resolution No. 2018-13 – Basin Plan Amendment..... 242

- ACTION
- 1) SOCWA Board of Directors approve Resolution No. 2018-13 – Basin Plan Amendment.
 - 2) As needed, costs to be assigned through PC 12 to SMWD and MNWD (as noted in FY 2018-19 Budget Assumptions Item 2: expenses incurred for single agency or group of agencies that is less than a full PC may be billed to and paid for by the incurring agency or agencies).
 - 3) SMWD and MNWD to be requested to authorize the funding commitment.

F. Contract Extension – Chlor-Alkali Products..... 245

ACTION The Board will be requested to award an up to one (1) year contract extension to Olin Corporation DBA Olin Chlor-Alkali Products for Chlor-Alkali Products for (5.25%-12.5% Sodium Hypochlorite and 30%-50% Sodium Hydroxide) with the prices as indicated including applicable additional charges.

G. Change Order – Treatment Cost Allocation Analysis 248

ACTION The Board will be requested to approve the Carollo Engineering Contract Change Order for the Treatment Cost Allocation Analysis in the amount of \$28,374 for a total not to exceed amount of \$68,268.

H. General Manager’s Status Report..... 251

ACTION The Board will review the General Manager’s Status Report:

- Board Questions
- Receive and file

7. CLOSED SESSION

A. Conference with Legal Counsel – Anticipated Litigation

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of section 54956.9: 1 potential case

B. Conference with Legal Counsel – Existing Litigation

Noson v. SOCWA et al., Case No. 30-2018-01016336-CU-OE-CJC
Pursuant to Government Code section 54956.9 (d)(1).

AGENDA
South Orange County Wastewater Authority
Board of Directors Meeting
October 4, 2018

OTHER MATTERS

A. 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 an unanimous vote.]

ADJOURNMENT

THE NEXT REGULAR SOCWA BOARD MEETING WILL HELD ON
November 1, 2018 at 8:30 a.m.

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

Board of Directors

September 6, 2017

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held on September 6, 2018, at 8:30 a.m. at the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California.

The following members of the Board of Directors were present:

| | |
|--|--------------------|
| MIKE DUNBAR, Emerald Bay Service District | Director |
| SCOTT GOLDMAN, El Toro Water District | Director |
| STEPHAN DOPUDJA, Trabuco Canyon Water District | Vice Chairman |
| MATT COLLINGS, Moulton Niguel Water District | Alternate Director |
| DOUG REINHART, Irvine Ranch Water District | Director |
| TONI ISEMAN, City of Laguna Beach | Director |
| DAN FERONS, Santa Margarita Water District | Chairman |
| DENNIS ERDMAN, South Coast Water District | Alternate Director |
| RAY MILLER, City of San Juan Capistrano | Director |

Absent:

| | |
|--|----------|
| DAVE REBENS DORF, City of San Clemente | Director |
|--|----------|

Staff present:

| | |
|---------------------|---|
| BETTY BURNETT | General Manager/Secretary |
| GREG MOSER | Procopio Law Firm |
| BRAD NEUFELD | Varner&Brandt Law Firm [arrival 10:50 a.m.] |
| BRIAN PECK | Director of Engineering |
| AMBER BAYLOR | Director of Environmental Compliance |
| JIM BURROR | Director of Operations |
| MARY CAREY | Finance Controller |
| DINA ASH | Human Resource Administrator |
| JEANETTE COTINOLA | Procurement/Contracts Administrator |
| KONSTANTINE SHILKOV | Senior Accountant |
| DANITA HIRSH | Executive Assistant |
| TERI NOSON | Assistant Secretary/Clerk of the Board |

Also present:

| | |
|------------------|---------------------------------|
| DONALD FROELICH | Moulton Niguel Water District |
| RICK ERKENEFF | South Coast Water District |
| MICHAEL PEREA | Trabuco Water District |
| JOHN PIETIG | City of Laguna Beach |
| FRED ADJARIAN | El Toro Water District |
| JOE MCDIVITT | South Coast Water District |
| JEREMY JUNGREIS | Rutan & Tucker |
| STEVE GREYSHOCK | Greycomm |
| GREG BROWN | Brown & Charbonneau |
| KATHRYN FRESHLEY | Resident – Laguna Woods Village |

1. Call Meeting to Order

Chairman Ferons called the meeting to order at 8:30 a.m. and welcomed everyone present.

2. Pledge of Allegiance

Mr. Froelich led the Pledge of Allegiance to the Flag of the United States of America.

3. Oral Comments

Chairman Ferons asked if members of the public desired to address the Board, or desired to reserve addressing the Board during the meeting regarding any item on the Agenda.

Director Collings reported that MNWD Board of Directors had passed a resolution to update its wastewater capacity needs. Director Collings provided copies of the approved MNWD Resolution NO. 18-16 – *Updating Wastewater Treatment Plant Capacity Requirements* to the SOCWA Board of Directors, which is herewith attached to these minutes.

ACTION TAKEN

No action required.

4. Consent Calendar

Chairman Ferons referenced the items under the Consent Calendar and stated that several items were requested to be pulled from the Consent Calendar.

4.A. Minutes of Board of Directors Meeting(s)

Director Collings reported that he would register a no vote for item 4.A. Minutes of Board of Directors Meeting(s) due to the June 15, 2018, Board Meeting minutes reflected approval of the PC15 budgets and MNWD believes there are projects in the PC15 budgets that are not necessary.

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Miller to approve Consent Calendar item 4.A. Minutes of Board of Directors Meeting(s), for July 12, 2018, June 15, 2018 and April 26, 2018.

| | |
|-----------------|-----------------------------------|
| Motion carried: | Aye 8; Nay 1; Abstain 0; Absent 1 |
| | Director Dunbar Aye |
| | Director Goldman Aye |
| | Director Miller Aye |
| | Director Collings Nay |
| | Director Reinhart Aye |
| | Director Iseman Aye |
| | Chairman Ferons Aye |
| | Director Erdman Aye |
| | Vice Chairman Dopudja Aye |
| | Director Rebensdorf Absent |

4.B. Minutes of Finance Committee Meeting(s)

Director Collings noted a correction to the May 24, 2018, Finance Committee meeting minutes and stated that the word 'State' should be removed from 'State Auditors' under the Action Taken section on page 50.

4.C. Financial Matters

Director Collings noted that the Budget vs. Actual for the Fiscal Year Administrative Budget exceeded the authorized Administrative Budget. There was a prior approved Board motion last year with the direction not to exceed the Administrative Budget, and a budget amendment should have been brought to the SOCWA Board.

4.D. Operational Reports

Director Erdman referenced the June and July 2018 *Excursion, Complaint and Violation Events* tables and complimented SOCWA staff for their efforts and job well done maintaining two (2) consecutive months of recording zero noncompliance events.

Ms. Burnett noted for the record that the *July 2018 Monthly Ops Report* was at the Board table and will be recorded in the record for the meeting.

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Miller to approve Consent Calendar items 4.B. Minutes of Finance Committee Meetings, 4.C. Financial Matters and 4.D. Operational Reports with a correction to the May 24, 2018, Finance Committee meeting minutes removing the word 'State' from 'State Auditors' under the Action Taken section on page 50.

| | |
|-----------------|-----------------------------------|
| Motion carried: | Aye 9; Nay 0; Abstain 0; Absent 1 |
| | Director Dunbar Aye |
| | Director Goldman Aye |
| | Director Miller Aye |
| | Director Collings Aye |
| | Director Reinhart Aye |
| | Director Iseman Aye |
| | Chairman Ferons Aye |
| | Director Erdman Aye |
| | Vice Chairman Dopudja Aye |
| | Director Rebensdorf Absent |

4.E. Capital Improvement Program

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Erdman to receive and file Consent Calendar item 4.E. Capital Improvement Program – Status Report(s).

| | |
|-----------------|-----------------------------------|
| Motion carried: | Aye 9; Nay 0; Abstain 0; Absent 1 |
| | Director Dunbar Aye |
| | Director Goldman Aye |
| | Director Miller Aye |
| | Director Collings Aye |
| | Director Reinhart Aye |

| | |
|-----------------------|--------|
| Director Iseman | Aye |
| Chairman Ferons | Aye |
| Director Erdman | Aye |
| Vice Chairman Dopudja | Aye |
| Director Rebensdorf | Absent |

4.F. Project Committee No. 15

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Erdman to receive and file Consent Calendar item 4.F. Project Committee No. 15 - 1) Approval of Minutes, for June 14, 2018, May 18, 2018, May 14, 2018, May 11, 2018, April 19, 2018, April 10, 2018 and April 9, 2018.

| | |
|-------------------|-----------------------------------|
| Motion carried: | Aye 3; Nay 1; Abstain 0; Absent 0 |
| Director Dunbar | Aye |
| Director Collings | Nay |
| Director Iseman | Aye |
| Director Erdman | Aye |

4.G. Project Committee No. 17

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Collings to approve Consent Calendar item 4.G. Project Committee No. 17, Change Order – Pacific Hydrotech Construction Contract for Change Orders 35-37 to the construction contract with Pacific Hydrotech for the Regional Treatment Plant Cogeneration and Switchgear Upgrade Project.

| | |
|-------------------|-----------------------------------|
| Motion carried: | Aye 5; Nay 0; Abstain 0; Absent 0 |
| Director Dunbar | Aye |
| Director Goldman | Aye |
| Director Collings | Aye |
| Director Iseman | Aye |
| Director Erdman | Aye |

5. Engineering Matters

A. Award of Engineering Services – Innovative Biosolids Technologies Engineering Support [PC 2 & 17]

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Dunbar to approve the award of the engineering support services contract to Carollo Engineers at a fee of \$99,948 with the revision to the *Allocation of Cost to Member Agency* of 50 percent to PC 2 and 50 percent to PC17, then split by ownership beyond that.

| | |
|-------------------------------|-----------------------------------|
| PC2 Members - Motion carried: | Aye 4; Nay 0; Abstain 0; Absent 0 |
| Chairman Ferons | Aye |
| Director Erdman | Aye |

| | |
|-------------------|-----|
| Director Miller | Aye |
| Director Collings | Aye |

PC17 Members - Motion carried: Aye 5; Nay 0; Abstain 0; Absent 0

| | |
|-------------------|-----|
| Director Collings | Aye |
| Director Erdman | Aye |
| Director Dunbar | Aye |
| Director Goldman | Aye |
| Director Iseman | Aye |

B. Award of Contract – Asset Register Pilot Project [PC 2 & 17]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Iseman to table item 5.B. Award of Contract – Asset Register Pilot Project item for one (1) month, and resubmit the item for Board consideration at the October 4, 2018, Board Meeting with a defined scope and goal of the project.

Motion carried: Aye 7; Nay 0; Abstain 0; Absent 0

| | |
|-------------------|-----|
| Director Dunbar | Aye |
| Director Goldman | Aye |
| Director Miller | Aye |
| Director Collings | Aye |
| Director Iseman | Aye |
| Chairman Ferons | Aye |
| Director Erdman | Aye |

C. Award of Construction Contract – Aliso AWMA Road Embankment and Roadway Storm Repairs Project [PC15]

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Erdman to approve the award of construction services contract to Pascal & Ludwig at a fee of \$92,363.

Motion carried: Aye 4; Nay 0; Abstain 0; Absent 0

| | |
|-------------------|-----|
| Director Dunbar | Aye |
| Director Collings | Aye |
| Director Iseman | Aye |
| Director Erdman | Aye |

6. General Manager's Reports

A. Resolution No. 2018-10 – Integrated Regional Watershed Management Plan (IRWM)

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Iseman to approve Resolution No. 2018-10 adopting the *2018 South Orange County Integrated Regional Watershed Management Plan* (IRWM) in continued coordination with the SOCWMA

IRWM Group as a Member Agency and to qualify SOCWA for Proposition 1 IRWM Grant funds, should project developed and submitted by SOCWA meet IRWM project criteria.

Motion carried: Aye 8; Nay 0; Abstain 1; Absent 1.
Director Dunbar Aye
Director Goldman Aye
Director Miller Aye
Director Collings Abstain
Director Reinhart Aye
Director Iseman Aye
Chairman Ferons Aye
Director Erdman Aye
Vice Chairman Dopudja Aye
Director Rebensdorf Absent

B. Resolution No. 2018-11 – Adopting Procedures Implementing the California Environmental Quality Act (CEQA)

ACTION TAKEN

Motion was made by Director Dunbar and seconded by Director Iseman to approve Resolution No. 2018-11 adopting the *Procedures Implementing the California Environmental Quality Act (CEQA)* as submitted.

Motion carried: Aye 8; Nay 1; Abstain 0; Absent 1.
Director Dunbar Aye
Director Goldman Aye
Director Miller Aye
Director Collings Nay
Director Reinhart Aye
Director Iseman Aye
Chairman Ferons Aye
Director Erdman Aye
Vice Chairman Dopudja Aye
Director Rebensdorf Absent

C. Resolution No. 2018-12 – Adopting Government Claims Act Rules and Regulation

ACTION TAKEN

Motion was made by Director Erdman and seconded by Director Miller to approve Resolution No. 2018-12 adopting the *Government Claims Act Rules and Regulations*.

Motion carried: Aye 9; Nay 0; Abstain 0; Absent 1
Director Dunbar Aye
Director Goldman Aye
Director Miller Aye
Director Collings Aye
Director Reinhart Aye
Director Iseman Aye
Chairman Ferons Aye

| | |
|-----------------------|--------|
| Director Erdman | Aye |
| Vice Chairman Dopudja | Aye |
| Director Rebensdorf | Absent |

The Chairman adjourned the Board of Directors Meeting for a five (5) minute recess at 9:50 a.m. The Board meeting reconvened at 9:55 a.m.

D. Unfunded Pension Liability (UAL) Distribution by Member Agencies Results and Recommendations

ACTION TAKEN

Motion was made by Director Collings and seconded by Director Goldman to table item 6.D. Unfunded Pension Liability (UAL) Distribution by Member Agencies Results and Recommendation allocation methodology discussion for one (1) month, and apply the current Fringe Pool methodology allocation for purposes of finalizing the 2016-17 and 2017-18 Use Audit. Staff will resubmit item 6.D. Unfunded Pension Liability (UAL) Distribution by Member Agencies Results and Recommendation for Board consideration at the October 4, 2018, Board Meeting.

| | |
|-----------------------|-----------------------------------|
| Motion carried: | Aye 9; Nay 0; Abstain 0; Absent 1 |
| Director Dunbar | Aye |
| Director Goldman | Aye |
| Director Miller | Aye |
| Director Collings | Aye |
| Director Reinhart | Aye |
| Director Iseman | Aye |
| Chairman Ferons | Aye |
| Director Erdman | Aye |
| Vice Chairman Dopudja | Aye |
| Director Rebensdorf | Absent |

E. Monthly Progress Report on State Audit Recommendations

ACTION TAKEN

There being no objection, the Chairman directed the *Monthly Progress Report on State Audit Recommendations* to be received and filed.

F. Update on Capital Project Funds on Deposit for Fiscal Year 2018-19 [PC15]

Ms. Burnett presented the PowerPoint presentation *Coastal Treatment Plant Capital Funding Update*, which is herewith attached to these minutes.

Mr. Pietig provided comments on the *Proactive Next Steps* slide and provided several ways that the CTP capital funding matter could be resolved, including MNWD paying their bills, but not with conditions. The City of Laguna Beach, Emerald Bay Service District and South Coast Water District did not create this problem. An open discussion ensued.

Mr. Jungreis suggested that the Board and individual member agencies legal counsel review Section 11.3 of the JPA agreement. There is discussion in the JPA agreement on how liabilities are allocated. An open discussion ensued.

Director Collings noted he would be abstaining from the vote and appreciated hearing the dialog and discussion, and stated that MNWD has experts prepared to talk about necessity projects. Director Collings noted that MNWD tendered a payment check under protest and it was rejected.

ACTION TAKEN

Motion was made by Director Reinhart and seconded by Director Goldman to direct staff to develop a list of emergency or critical corrections that need to be completed in the next 18 months or 2-year time period, and come back to the board with a recommendation.

| | |
|-----------------------|-----------------------------------|
| Motion carried: | Aye 8; Nay 0; Abstain 1; Absent 1 |
| Director Dunbar | Aye |
| Director Goldman | Aye |
| Director Miller | Aye |
| Director Collings | Abstain |
| Director Reinhart | Aye |
| Director Iseman | Aye |
| Chairman Ferons | Aye |
| Director Erdman | Aye |
| Vice Chairman Dopudja | Aye |
| Director Rebensdorf | Absent |

G. General Manager’s Status Report

ACTION TAKEN

There being no objection, the Chairman directed the *General Manager’s Status Report* to be received and filed.

Other Matters

Chairman Ferons asked if there were any more questions or comments from the Board. There were none.

The Chairman adjourned the Board of Directors Meeting for a five (5) minute recess at 10:52 a.m.

The Board meeting reconvened at 10:57 a.m., and went into Closed Session at 10:57 a.m.

Closed Session

A. Conference with Legal Counsel – Anticipated Litigation

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of section 54956.9: 1 potential case

The Board meeting reconvened at 11:27 a.m.

Report Out of Closed Session

There was no reportable action out of Closed Session.

Adjournment

There being no further business, Chairman Ferons adjourned the meeting at 11:27 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors of September 6, 2018, and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

**SUMMARY OF BOARD ACTIONS
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

September 6, 2018

| <u>DESCRIPTION</u> | <u>MOTION MADE BY DIRECTOR</u> | <u>ACTION</u> |
|--|---------------------------------------|------------------------------|
| Consent Calendar | Erdman | Approved |
| 5.A. Award of Engineering Services – Carollo Engineers [PC 2 & 17] | Collings | Approved |
| 5.B. Asset Register Pilot Project [PC 2 & 17] | Dunbar | Tabled |
| 5.C. Award of Construction Contract – Pascal & Ludwig [PC 15] | Dunbar | Approved |
| 6.A. Resolution No. 2018-10 Integrated Regional Watershed Management Plan | Erdman | Approved |
| 6.B. Resolution No. 2018-11 Procedures Implementing the California Environmental Quality Act | Dunbar | Approved |
| 6.C. Resolution No. 2018-12 Government Claims Act Rules and Regulations | Erdman | Approved |
| 6.D. Unfunded Pension Liability (UAL) | Collings | Tabled |
| 6.E. Monthly Progress Report on State Audit Recommendations | Ferons | Received & Filed |
| 6.F. Update on Capital Project Funds on Deposit for FY 2018-19 [PC15] | Reinhart | Staff direction and resubmit |
| 6.G. General Manager's Status Report | Ferons | Received & Filed |

RESOLUTION NO. 18-16

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
MOULTON NIGUEL WATER DISTRICT
UPDATING WASTEWATER TREATMENT PLANT CAPACITY REQUIREMENTS**

WHEREAS, the Board of Directors of MOULTON NIGUEL WATER DISTRICT (sometimes the "District" herein) has considered the needs of the MOULTON NIGUEL WATER DISTRICT and its wastewater treatment plant capacities and investments.

WHEREAS, the District must consider its wastewater treatment needs at the Coastal Treatment Plant considering the Project Committee 15 Agreement it has with Emerald Bay Service District, South Coast Water District and the City of Laguna Beach, governing the Coastal Treatment Plant expires on November 22, 2026 (the "PC-15 Agreement"), and the PC2 and PC17 wastewater treatment agreements will be expiring on June 16, 2023 and November 28th, 2029, respectively.

WHEREAS, the District must consider its wastewater treatment needs at the Regional Treatment Plant considering the Project Committee 17 Agreement it has with El Toro Water District, Emerald Bay Service District, South Coast Water District and the City of Laguna Beach, governing the Regional Treatment Plant expires on November 28, 2029 (the "PC-17 Agreement").

WHEREAS, the District must consider its wastewater treatment needs at the JB Latham Treatment Plant considering the Project Committee 2 Agreement it has with the City of San Juan Capistrano, Santa Margarita Water District, and South Coast Water District, governing the JB Latham Treatment Plant expires on June 16, 2023 (the "PC-2 Agreement").

WHEREAS, the District has prepared an Executive Update of its 1998 Revised Sewer Master Plan intended to analyze the wastewater treatment plant capacity requirements for the District, a copy of which is attached hereto as Attachment "1."

WHEREAS, the District does not use the Coastal Treatment Plant subject to the PC-15 Agreement and does not have current or future wastewater treatment capacity requirements at the Coastal Treatment Plant as no sewage is projected to be conveyed from the District's constituents to the Coastal Treatment Plant.

WHEREAS, the District provided notice to the Emerald Bay Service District, South Coast Water District, and the City of Laguna Beach in August 2016 of its intent to not renew the PC-15 Agreement and its desire to divest its capacity in the Coastal Treatment Plant.

WHEREAS, the maximum flow of water that can practically be diverted to Plant 3A is 3.6 MGD with the future Camino Capistrano Lift Station, which will continue to maximize the reuse of wastewater where financially and technically feasible.

WHEREAS, the historical flows of water at JB Latham are significantly lower than current capacity and will be further reduced with the development of the future Camino Capistrano Lift Station.

WHEREAS, the District must evaluate its potential to utilize excess capacity at the Regional treatment plant to maximize beneficial use of urban runoff, stormwater, and regional wastewater flows.

NOW, THEREFORE, the Board of Directors of MOULTON NIGUEL WATER DISTRICT does hereby **RESOLVE, DETERMINE** and **ORDER** as follows:

SECTION 1. That the District identify opportunities to maximize the reuse of wastewater where financially and technically feasible to improve the reliability of service to the District's customers, reduce imported water deliveries to the region, and reduce discharges of secondary effluent to the Ocean.

SECTION 2. That the District, upon consideration of the lack of benefits the District receives under the PC-15 Agreement and in order to preserve the fiscal integrity of the District, will not renew the PC-15 Agreement, which is set to expire on November 22, 2026.

SECTION 3. That the District eliminate all its capacity rights at the Coastal Treatment Plant as it has no need for the capacity.

SECTION 4. That the District maintain its capacity rights at the Regional Treatment Plant.

SECTION 5. That the District reallocate as appropriate the maximum flow of wastewater that can be practically diverted to the Plant 3A Treatment Plant to increase reuse opportunities.

SECTION 6. That the District evaluate opportunities to minimize wastewater flows sent to the JB Latham Treatment Plant and eliminate any of its excess capacity at the JB Latham Treatment Plant.

SECTION 7. That the District evaluate the potential to utilize its excess capacity at the Regional Treatment Plant to maximize beneficial use of urban runoff, stormwater and regional wastewater flows.

ADOPTED, SIGNED and APPROVED this 16th day of August, 2018.

MOULTON NIGUEL WATER DISTRICT



President/Vice President

MOULTON NIGUEL WATER DISTRICT
and of the Board of Directors thereof



Secretary/Assistant Secretary

MOULTON NIGUEL WATER DISTRICT
and of the Board of Directors thereof

**Executive Update of the
1998 Revised Sewer Master Plan**

August 6, 2018

Purpose

This “Executive Update of the 1998 Revised Sewer Master Plan” (Executive Update) examines the wastewater treatment capacity necessary to serve Moulton Niguel Water District (MNWD) in its current and ultimate conditions. This report is prompted by the upcoming expiration of agreements associated with various wastewater treatment facilities, as well as the significant reduction in wastewater flows since 1998. This Executive Update is an update to portions of the 1998 Revised Sewer Master Plan that relates to wastewater treatment capacities, including available excess capacities.

Background

In 1983, a Sewer Master Plan was developed to analyze the then current and projected future sewage flow conditions based on the land use plans from the developers in the area and the County. In 1998, a Revised Sewer Master Plan was developed as an update to the 1983 Plan. This Revised Plan also assessed impacts from reallocating wastewater treatment capacities at various facilities.

Since the 1998 Revised Sewer Master Plan was completed, development of land throughout the MNWD service area has essentially been completed, with only minor re-development projects continuing. Additionally, due to the implementation of water-use efficiency programs, conservation as a result of several historic droughts, and saturation of water-efficient devices, wastewater generation throughout California and particularly within the MNWD service area has been significantly reduced. As a result of this substantial reduction in wastewater generation and the development of State legislation to continue efficient water use practices throughout the State, MNWD developed this Executive Update to confirm its needs relating to wastewater treatment capacities.

Scope

The focus of this Executive Update is on current and ultimate wastewater treatment capacities for the MNWD service area. This work does not include updates to potable and recycled facilities or sewage collection facilities. This work incorporates recent wastewater flow data collected at several treatment plants that MNWD owns capacity, as well as future population projections within MNWD’s service area.

Approach

The approach of this analysis is to review and analyze the historical population (residential) and area based (commercial) wastewater flow projections, review and analyze current population and area wastewater flow estimates and compare to current wastewater flow observations, and determine ultimate population and area wastewater flow projections. Wastewater generation rates will utilize the current per person or per acre wastewater generation values as a conservative planning assumption. With the continuing efforts of the State of California and MNWD to implement water-use efficiency programs, along with the further implementation of water-efficient devices within the MNWD service area, wastewater generation rates are projected to only decrease further. Future population projections were obtained from the Center for Demographic Research at Cal State Fullerton. For planning purposes, a 10% contingency of wastewater flow was utilized in the 1998 Revised Sewer Master Plan and is also incorporated into this Executive Update.

ATTACHMENT 1

Analysis

The 1998 Revised Sewer Master Plan identified two main factors for determining the overall wastewater flow rate generated by MNWD customers, namely Land Use (either Residential or Commercial) and the wastewater generation rate. Residential population and commercial acreage for the 1998 “current” condition and ultimate condition are identified in the table below. The wastewater generation rate for residential population identified in the 1998 report was 82 gallons per capital per day (GPCD). For commercial areas, the wastewater generation rate was 1,500 gallons per acre per day (GAD). When a 10% contingency was added, the total anticipated wastewater generation for the District in the 1998 “current” condition and ultimate condition was 16.09 million gallons per day (MGD) and 19.85 MGD, respectively.

| 1998 Revised Sewer Master Plan | | | | | | | |
|--------------------------------|-------------|-----------------|-------------|-------------------|-------------|-----------------|-------------|
| Current (1998) | | | | Ultimate | | | |
| Land Use | | Generation Rate | Total (MGD) | Land Use | | Generation Rate | Total (MGD) |
| Population | 145,906 | 82 GPCD | 11.96 | Population | 180,118 | 82 GPCD | 14.77 |
| Commercial Area | 1,775 acres | 1,500 GAD | 2.66 | Commercial Area | 2,183 acres | 1,500 GAD | 3.27 |
| Contingency (10%) | | | 1.46 | Contingency (10%) | | | 1.80 |
| Total | | | 16.09 | Total | | | 19.85 |

The analysis in this Executive Update verifies the observations that the ultimate population projections outlined in the 1998 Revised Sewer Master Plan remain aligned with ultimate population projections identified by the Center for Demographic Research as a part of this analysis of approximately 180,000 people within MNWD’s boundaries. However, both residential and commercial wastewater generation rates have been significantly reduced from the 1998 Revised Sewer Master Plan. These reductions are verified by the observed wastewater flows experienced at the various wastewater treatment plants. Further, as noted above, these wastewater flows are not projected to rebound to previous per-person or per-acre values for residential and commercial areas, respectively. The table below identifies the current wastewater generation of 12.32 MGD with contingency. The observed flows in 2017 were approximately 10.8 MGD confirming the assumed wastewater generation rates as both conservative and appropriate. The ultimate wastewater generation including a 10% contingency is 12.67 MGD as identified in the table below.

| 2018 Executive Update | | | | | | | |
|-----------------------|-------------|-----------------|-------------|-------------------|-------------|-----------------|-------------|
| Current (2018) | | | | Ultimate | | | |
| Land Use | | Generation Rate | Total (MGD) | Land Use | | Generation Rate | Total (MGD) |
| Population | 173,846 | 50 GPCD | 8.69 | Population | 180,118 | 50 GPCD | 9.01 |
| Commercial Area | 2,512 acres | 1,000 GAD | 2.51 | Commercial Area | 2,512 acres | 1,000 GAD | 2.51 |
| Contingency (10%) | | | 1.12 | Contingency (10%) | | | 1.15 |
| Total | | | 12.32 | Total | | | 12.67 |

ATTACHMENT 1

The calculated wastewater generation tributary to each wastewater treatment plant has been summarized in the table below based on the estimated population and land use within each wastewater treatment plant sub-basin. The attached Table 1 to this Executive Update provides a summary of the data used to identify the wastewater treatment requirements by treatment plant and tributary area. Data showing the current capacity, available remaining capacity and projected capacity needed at each wastewater treatment plant has also been included for reference.

| Facility | 2040 Projected Flow (MGD) | Current Capacity (MGD) | Available Remaining Capacity (MGD) |
|-------------------|------------------------------------|------------------------------|---|
| Regional TP | 8.60 | 12.00 | 3.40 |
| Plant 3A | 2.12 | 4.31 | 2.19 |
| JB Latham - N | 1.52 | 2.50 | 0.98 |
| JB Latham - S | 0.22 | 0.50 | 0.28 |
| Coastal TP | 0.00 | 1.96 | 1.96 |
| Contract Services | 0.22 | 0.22 | 0.00 |
| | 12.67 | 21.49 | 8.82 |

Currently, the Regional Treatment Plant and Plant 3A have excess capacity to treat wastewater and increase recycled water production. The increase of recycled water production was identified as a priority the District’s Long Range Water Reliability Plan. District staff have proposed the development of the new Camino Capistrano Lift Station as an option for transferring wastewater from the JB Latham North area to Plant 3A for the purpose of increasing recycled water production.

As identified above, the District has excess treatment capacity at the Regional Treatment Plant. District staff recommends retaining the additional capacity at the Regional Treatment Plant to allow further investigation of opportunities at the facility for beneficial reuse of urban runoff flows, stormwater diversions or other regional wastewater streams. With the implementation of the Camino Capistrano Lift Station, the revised capacity requirements for each treatment plant are as follows:

| Facility | 2040 Projected Flow (MGD) | Current Capacity (MGD) | Available Remaining Capacity (MGD) | Ultimate Recommended Treatment Capacity (MGD) |
|-------------------|---------------------------------|------------------------------|---|---|
| Regional TP | 8.60 | 12.00 | 3.40 | 12.00 |
| Plant 3A | 3.64 | 4.31 | 0.68 | 3.50 |
| JB Latham - N | 0.00 | 2.50 | 2.50 | 0.00 |
| JB Latham - S | 0.22 | 0.50 | 0.28 | 0.50 |
| Coastal TP | 0.00 | 1.96 | 1.96 | 0.00 |
| Contract Services | 0.22 | 0.22 | 0.00 | 0.00 |
| | 12.67 | 21.49 | 8.82 | 16.00 |

ATTACHMENT 1

Conclusions and Recommendations

Based on observed flows and projections of future flows, MNWD owns excess capacity at each of the wastewater treatment plants beyond its forecasted needs. Planned projects relating to MNWD's objective to maximize the beneficial reuse of water are expected to create additional excess capacity at some wastewater treatment plants. Therefore, the following recommendations are presented below:

1. No wastewater capacity is required at the Coastal Treatment Plant. Therefore, it is recommended to eliminate all the District's capacity rights at this facility.
2. Excess capacity at the Regional Treatment Plant provides operational flexibility, redundancy, and the potential future opportunity for beneficial reuse of urban runoff flows, stormwater flows, regional wastewater streams, as well as direct/indirect potable water reuse as regulations permit. Therefore, the District's capacity at the Regional Treatment Plant should be maintained.
3. The maximum flow that can practically be diverted to Plant 3A is 3.6 MGD with addition of the new Camino Capistrano Lift Station. This will maximize recycled water production. Excess capacity could be reallocated and the facility should be enhanced for reliability and redundancy.
4. Historical flows at the JB Latham Treatment Plant are significantly lower than MNWD's current capacity. Evaluate opportunities to minimize flows sent to the JB Latham Treatment Plant and eliminate MNWD's excess capacity rights at this facility if feasible.

Attachment: Table 1

**Moulton Niguel Water District
Executive Update of the 1998 Sewer Master Plan**

August 6, 2018

TABLE 1

| Time Period | Parameters | Population or Acreage | Flow per Capita/Area | Total Flow (MGD) | 10% Contingency | Total Capacity Req'd (MGD) |
|------------------------|-----------------------------|--------------------------|-------------------------|---------------------|--------------------|-------------------------------|
| 2040 Projection | | | | | | |
| by WW Basin | | | | | | |
| | Regional TP | | | | | |
| | Population | 129,422 persons | 50 gal/cap/day | 6.47 | | |
| | Commercial | 1,343 acres | 1000 gal/acre/day | 1.34 | | |
| | | | | <u>7.81</u> | 0.78 | 8.60 |
| | Plant 3A | | | | | |
| | Population | 27,272 persons | 50 gal/cap/day | 1.36 | | |
| | Commercial | 561 acres | 1000 gal/acre/day | 0.56 | | |
| | | | | <u>1.92</u> | 0.19 | 2.12 |
| | JB Latham - N | | | | | |
| | Population | 15,669 persons | 50 gal/cap/day | 0.78 | | |
| | Commercial | 598 acres | 1000 gal/acre/day | 0.60 | | |
| | | | | <u>1.38</u> | 0.14 | 1.52 |
| | JB Latham - S | | | | | |
| | Population | 3,783 persons | 50 gal/cap/day | 0.19 | | |
| | Commercial | 10 acres | 1000 gal/acre/day | 0.01 | | |
| | | | | <u>0.20</u> | 0.02 | 0.22 |
| | Contract WW Services | | | | | |
| | Population | 3,972 persons | 50 gal/cap/day | 0.20 | | |
| | Commercial | - acres | 1000 gal/acre/day | - | | |
| | | | | <u>0.20</u> | 0.02 | 0.22 |
| | Coastal TP | | | | | |
| | Population | - persons | 50 gal/cap/day | - | | |
| | Commercial | - acres | 1000 gal/acre/day | - | | |
| | | | | <u>-</u> | 0.00 | - |
| | | | | | | <u>12.67</u> |



Coastal Treatment Plant Capital Funding Update

September 6, 2018
Board of Directors Meeting

CTP Condition



Issue Overview

- PC15 resolution not yet achieved
- Staff forecasting unstable funding model and ultimate lack of funds (without resolution)
- Delay of \$15M Facilities Improvement Project
 - Consequences: Safety improvements to protect employees on hold/necessary work to the operation of the plant on hold
- What could occur? Injuries, spills, fines
- Staff evaluating how to prepare for failures
- Time to notify SOCWA Board of Directors

Basic Cash Projection – Dec. 31, 2018 (continuing MNWD nonpayment)

| | |
|---|--------------------|
| Cash On-hand (June 30, 2018) | \$1,922,011 |
| Member Billings (FY '18-'19 Q1 & Q2) | \$1,741,984 |
| Contracted Expenses (FY '18-'19 Q1 & Q2) | (\$780,322) |
| MNWD Unpaid Invoices (FY '18-'19 Q1 & Q2; Projected) | (\$309,871) |
| Cash Remaining (Projected as of Dec. 31, 2018) | \$2,573,802 |

A More Complete Picture

| | |
|--|---------------|
| MNWD Surplus in PC 15 (includes Use Audit payment received) (End of FY16) | \$352,968 |
| MNWD Deficit to PC 15 (End of FY17) | (\$28,320) |
| MNWD Deficit to PC 15 (Projected Through Dec. 31, 2018) | (\$1,006,423) |
| Total MNWD Unpaid to PC 15 (Projected Through Dec. 31, 2018) | (\$1,968,853) |

Consequences & Challenges

- Main issue: Can no longer award contracts without stable funding
- Facilities Improvement Project does not move forward without resolution as to where the funding will come from
- SFM Project cannot move forward without resolution as to funding

Facilities Improvement Project (FIP)

- Project Goals
 - Ensure staff/contractor safety
 - Ensure safe plant operations, environmental security
- Project Components
 - Switchgear and Electrical System Updates
 - Secondary Sedimentation Basins
 - Drainage Pump Station
 - Relocation of Sampling and Ferric Injection Points
 - Ferric Chloride System
 - Structural Improvements
- Project Cost: \$15 Million

Proactive Next Steps

- Notify Board of Directors and work together to consider funding options:
 - Internal PC borrowing
 - Cross PC borrowing
 - Other funding sources
- Divert \$2.5 M in available cash to Contingent Emergency Preparation
 - Generators, Emergency Diesel Storage, Diesel Truck Rentals, Staffing Strategy for Failure Mode
- It may be required to notify AQMD, Regional Board, EPA of potential for harm

Board Discussion
and Direction



Coastal Treatment Plant Capital Funding Update

September 6, 2018
Board of Directors Meeting

CTP Condition



Issue Overview

- PC15 resolution not yet achieved
- Staff forecasting unstable funding model and ultimate lack of funds (without resolution)
- Delay of \$15M Facilities Improvement Project
 - Consequences: Safety improvements to protect employees on hold/necessary work to the operation of the plant on hold
- What could occur? Injuries, spills, fines
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|--|--------------------|
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| Contracted Expenses (Q1 & Q2) | (\$780,322) |
| MNWD Unpaid Invoices (Q1 & Q2; Projected) | (\$309,871) |
| Cash Remaining (Dec. 31, 2018) | \$2,573,802 |

A More Complete Picture

| | |
|---|---------------|
| MNWD Surplus in PC 15 (End of FY16) | \$352,968 |
| MNWD Deficit to PC 15 (End of FY17) | (\$28,320) |
| MNWD Deficit to PC 15 (Projected Through Dec. 31, 2018) | (\$1,006,423) |
| Total MNWD Unpaid to PC 15 (Projected Through Dec. 31, 2018) | (\$1,766,746) |

- ### Consequences & Challenges
- Main issue: Can no longer award contracts without stable funding
 - Facilities Improvement Project does not move forward without resolution as to where the funding will come from

- ### Facilities Improvement Project (FIP)
- Project Goals
 - Ensure staff/contractor safety
 - Ensure safe plant operations, environmental security
 - Project Components
 - Switchgear and Electrical System Updates
 - Secondary Sedimentation Basins
 - Drainage Pump Station
 - Relocation of Sampling and Ferric Injection Points
 - Ferric Chloride System
 - Structural Improvements
 - Project Cost: \$15 Million

- ### Proactive Next Steps
- Notify Board of Directors and work together to consider funding options:
 - Internal PC borrowing
 - Cross PC borrowing
 - Other funding sources
 - Divert \$2.5 M in available cash to Contingent Emergency Preparation
 - Generators, Emergency Diesel Storage, Diesel Truck Rentals, Staffing Strategy for Failure Mode
 - It may be required to notify AQMD, Regional Board, EPA of potential for harm

Board Discussion
and Direction

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

Finance Committee

December 6, 2017

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on December 6, 2017 at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present:

| | |
|---------------|--------------------------------|
| DENNIS ERDMAN | South Coast Water District |
| RAY MILLER | City of San Juan Capistrano |
| MATT COLLINGS | Moulton Niguel Water District |
| TONI ISEMAN | City of Laguna Beach |
| DAN FERONS | Santa Margarita Water District |
| FRED ADJARIAN | El Toro Water District |

Staff Present:

| | |
|---------------|--------------------------------------|
| BETTY BURNETT | General Manager |
| DANITA HIRSH | Executive Assistant |
| MARY CAREY | Finance Controller |
| JIM BURROR | Director of Operations |
| AMBER BAYLOR | Director of Environmental Compliance |
| NADYN KIM | Accountant |

Also Present:

| | |
|------------------|-------------------------------|
| PAT GIANNONE | Giannone & Giannone |
| DAVID BARANOWSKI | Carollo |
| ANDY BRUNHART | South Coast Water District |
| PAM ARENDS-KING | South Coast Water District |
| STEPHEN DOPUDJA | Trabuco Canyon Water District |
| JAKE VOLLEGBREGT | Moulton Niguel Water District |

1. Call Meeting to Order

Chairperson Erdman called the meeting to order at 8:33 a.m.

Pledge of Allegiance – Chairman Erdman

2. Public Comments - None

3. Approval of Minutes

- a. Finance Committee Meeting Minutes of 9/21/17
- b. Finance Committee Meeting Minutes of 10/31/17

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Miller to approve the Finance Committee meeting minutes of September 21, 2017 and October 31, 2017.

| | |
|-----------------|-----------------------------------|
| Motion carried: | Aye 6; Nay 0; Abstain 0; Absent 0 |
| | Director Collings Aye |
| | Director Erdman Aye |
| | Director Miller Aye |
| | Director Ferons Aye |
| | Director Iseman Aye |
| | Director Adjarian Aye |

4. Current FY General Budget of \$365,323 – Policy/Expense/Percentage Decisions

Mr. Dopudja of Trabuco Canyon Water District(TCWD) provided an updated presentation on TCWD's 2017/18 potential general budget concept. An open discussion ensued.

Mr. Dopudja would be providing the same presentation at SOCWA's Board of Directors meeting on December 7, 2017.

ACTION TAKEN – None; Information item.

5. FY 2015-16 Audited Financial Statements Supplemental Schedules

Ms. Burnett provided the committee with an update on the Supplemental Schedules. An open discussion ensued.

ACTION TAKEN

Motion was made by Director Ferons and seconded by Director Adjarian that the Finance Committee recommend to the Board of Directors to accept the current version of the FY2015-16 Supplemental Schedules, provide direction to staff that before June 30, 2018 to acquire assistance needed to evaluate the allocation of the net pension liability to the Project Committees, and to consider revision as to how costs are allocated to the Supplemental Schedules.

| | |
|-----------------|-----------------------------------|
| Motion carried: | Aye 5; Nay 1; Abstain 0; Absent 0 |
| | Director Collings Nay |
| | Director Erdman Aye |
| | Director Miller Aye |
| | Director Ferons Aye |
| | Director Iseman Aye |
| | Director Adjarian Aye |

Director Collings voted no on the recommended action but noted for the record that he is in favor of the additional assistance needed to evaluate the allocations.

Chairman Erdman recessed the meeting at 9:55 a.m.
Chairman Erdman reconvened the meeting at 10:04 a.m.

6. Infrastructure Valuation Services

Ms. Burnett provided a brief overview of the presentation that Carollo would be providing to the Finance Committee.

Mr. Baranowski representative of Carollo presented the Infrastructure Valuation Services Report. An open discussion ensued.

ACTION TAKEN – None.

7. Use Audit 2016-17 Recommendation for Approval – Provided Under Separate Cover

Ms. Carey, Finance Controller discussed the details of the Use Audit 2016-17 Report that was distributed to the Finance Committee as a hand out. An open discussion ensued.

ACTION TAKEN – None.

Ms. Burnett stated to the committee members that a couple of revisions would be made to the 2016-17 Use Audit and re-distributed later in the day. She also stated that the report would be brought back to the Finance Committee for review and approval prior to going to the December 14, 2017 Board Meeting.

8. General Manager Report on Open Items

Ms. Burnett had no items to report.

The Finance Committee Meeting members decided to meet again on December 11, 2017 at 12:00 p.m.

Adjournment

There being no further business, Chairman Erdman adjourned the meeting at 10:47 a.m.

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 Finance Committee of December 6, 2017 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item

Legal Counsel Review: N/A

Meeting Date: October 4, 2018

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Matters for the Month of June 2018 Updated to Agree with FY 2017-18 Use Audit

Summary/Discussion

The following selected financial reports are routinely provided monthly to the Board of Directors.

This information was presented to the Finance Committee on August 10, 2018, and to the Board of Directors on September 6, 2018. This re-submission is an update that ties to FY 2017-18 Use Audit presented to the Finance Committee on September 19, 2018. The Finance Committee has recommended review of the Use Audit with the Finance Officers and the Use Audit will return to the Board at the November 2018 Board meeting.

Note: The June 2018 Financials and the 2017-18 Use Audit may be revised (pending completion of FY 2017-18 Financial Statements Audit).

The reports included are as follows:

- a) Summary of Disbursements
 - June 2018 (Exhibit A)
- b) Schedule of Funds Available for Reinvestment (Exhibit B)
- c) Schedule of Cash and Investments (Exhibit C)
- d) Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- e) Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1 and E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Actual General Fund Expenses (Exhibit E-3.2)
 - Information Technology (IT) (Exhibit E-4)
- f) FY 2017-18 Actual Fringe Pool and Fringe Rate, 75.8 percent compared to the Budget Fringe Rate of 74. percent, a 1 percent change. (Exhibit E-5)

Fiscal impact

During the month of June 2018, cash disbursements totaled \$2,432,134 and are summarized in the attached Exhibit A. The attached Exhibits B, C, D, E and F are informational reports only.

Recommendation

Finance Committee recommends to the Board to ratify the Summary of Disbursements for the period from June 1, 2018 through June 30, 2018, totaling \$2,432,134, and to receive and file the June 2018 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority
 Summary of Disbursements for June 2018
 Staff Recommendation of Fiscal Matters**

| | <u>Actual</u> |
|---|-----------------------------|
| General Fund | |
| PC 2 - Jay B. Latham Plant | (468,710) |
| PC 3 - SOCWA Plant/PCA AWT | (674,925) |
| PC 5 - San Juan Creek Ocean Outfall | - |
| PC 8 - Pretreatment Program | (10,343) |
| PC 12 SO - Water Reclamation Permits | (3,289) |
| PC 15 - Coastal Treatment Plant/AWT | (4,240) |
| PC 17 - Joint Regional Wastewater Reclamation | (286,132) |
| PC 21 - Effluent Transmission Main | (948,342) |
| PC 24 - Aliso Creek Ocean Outfall | (20,949) |
| Total | <u>(15,204)</u> |
| | <u>(\$2,432,134)</u> |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of June 30, 2018**

| | |
|------------------------------------|---------------|
| CASH IN BANK: (BEGINNING BAL.) | 2,547,148 |
| L.A.I.F. FUNDS: (BEGINNING BAL.) | 13,675,961 |
| DEPOSITS, TRANSFERS & ADJUSTMENTS: | (240,265) |
| FUND REQUIREMENTS: | |
| BILLS FOR CONSIDERATION | (2,432,134) |
| | \$ 13,550,709 |

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.

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of June 30, 2018**

| | | | |
|-----------------------------------|----|----------------------|-----|
| MVA | \$ | 47,077 | (A) |
| A/P Checking | \$ | 1,158,603 | (B) |
| Payroll Checking | \$ | 169,068 | (C) |
| State LAIF | \$ | 12,175,961 | (D) |
| Total Cash in Bank | | 13,550,709 | |
| | | | |
| Petty Cash | \$ | 1,600 | (E) |
| Total Operating Cash | | 13,552,309 | |
| | | | |
| OPEB Trust | \$ | 4,817,830 | (F) |
| | | | |
| Total Cash and Investments | | \$ 18,370,140 | |

Notes:

- (A) Interest bearing account; all cash receipts are deposited in this account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account from the LAIF account.
- (C) Payroll including payroll taxes and related liabilities are drawn against this account; money is transferred to this account 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.

Exhibit D

South Orange County Wastewater Authority
Capital Projects Summaries
as of June 30, 2018

| Description | FY 2017-18 Budget vs. Actual Spending | | | | | | | Past Due by Fiscal Year | | |
|-----------------------------|---------------------------------------|----------------------|----------------------|--------------|----------------------|------------------------------------|-------------------------------------|-------------------------|-------------------------|-----------------------|
| | Capital Budget | Fiscal Year Spending | (Over)/ Under Budget | % Expended | Member Agency Billed | FY 17/18 Member Agency Collections | FY 16/17 & FY 17/18 Past Due Amount | FY 17/18 Unpaid Amounts | FY 16/17 Unpaid Amounts | Total Past Due Amount |
| PC 2-JB Latham PC 3A | 3,743,470 | 1,430,069 | 2,313,401 | 38.2% | 2,554,334 | 2,554,334 | | | | |
| PC 5-San Juan Creek Outfall | 195,510 | 1,440 | 194,070 | 0.7% | 15,382 | 15,382 | | | | |
| PC 15-Coastal | 6,637,145 | 2,016,446 | 4,620,699 | 30.4% | 2,813,392 | 2,080,514 | 1,382,368 | 649,490 | | 1,382,368 |
| PC 17-Regional | 3,196,068 | 3,368,687 | (172,619) | 105.4% | 1,661,060 | 1,661,060 | | | | |
| PC 21 Effluent Transmission | 236,607 | 34,221 | 202,386 | 14.5% | 164,502 | 164,502 | | | | |
| PC 24 Aliso Creek Outfall | 25,001 | - | 25,001 | 0.0% | - | - | | | | |
| Total Large Capital | 14,033,801 | 6,850,862 | 7,182,939 | 48.8% | 7,208,670 | 6,475,792 | 1,382,368 | | | |
| Non-Capital Engineering | 158,952 | 427,902 | (268,950) | 269.2% | 158,952 | 158,367 | 22,416 | 21,831 | | 22,416 |
| Small Internal Capital | 1,946,997 | 1,709,557 | 237,440 | 87.8% | 1,947,046 | 1,777,398 | 254,198 | 84,550 | | 254,198 |
| Total Capital | 16,139,750 | 8,988,322 | 7,151,428 | 55.7% | 9,314,668 | 8,411,557 | 1,658,982 | 755,871 | | 1,658,982 |

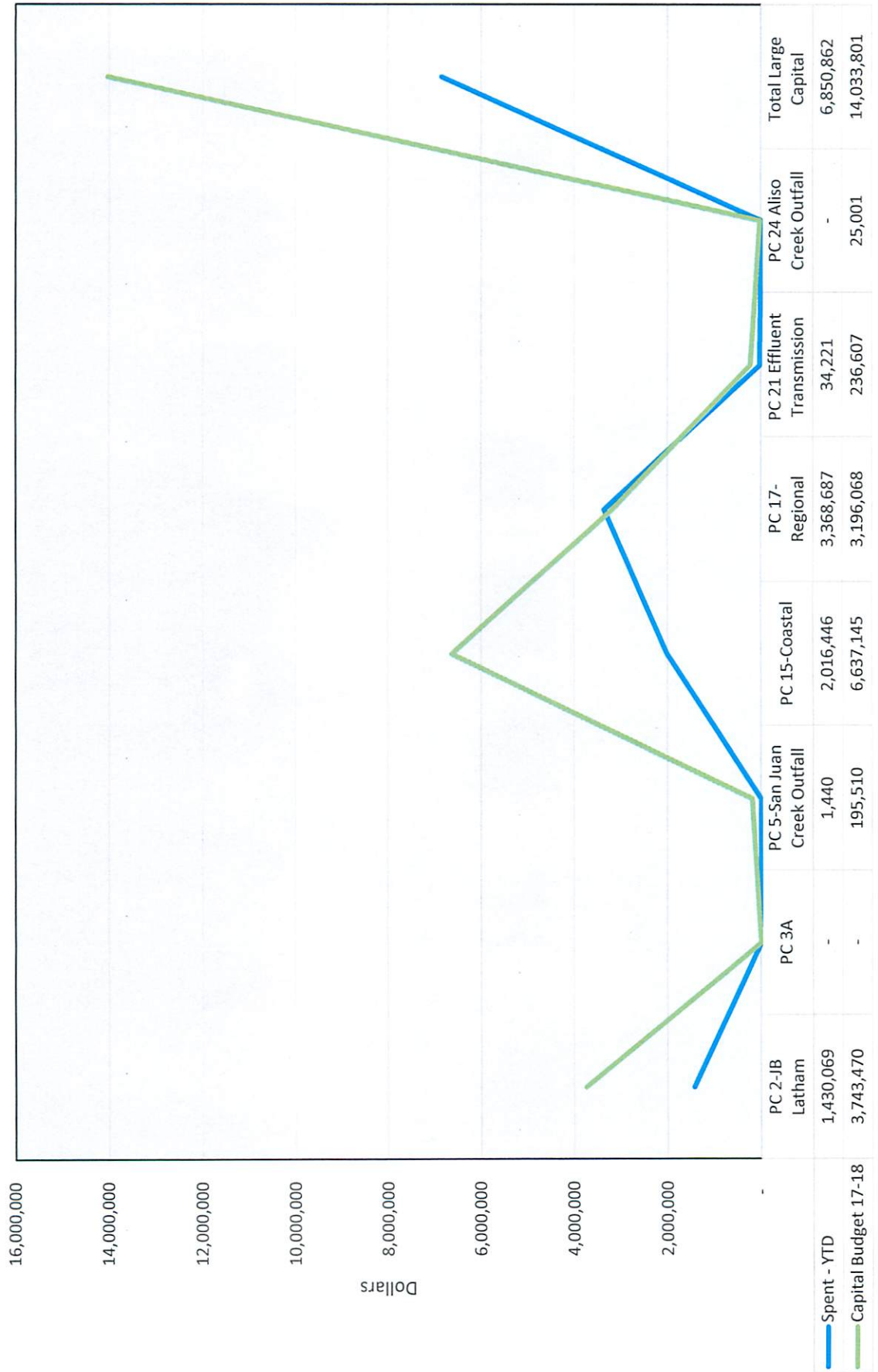
(1) Schedule for Past Due Amounts as of June 30, 2018

| Description | Past Due Amount MNWD | Past Due Amount TOTAL |
|----------------------------|----------------------|-----------------------|
| PC 15-Coastal | 1,382,368 | 1,382,368 (1) |
| Total Large Capital | 1,382,368 | 1,382,368 |
| Non-Capital Engineering | 22,416 | 22,416 (2) |
| Small Internal Capital | 254,198 | 254,198 (2) |
| Total Capital | 1,658,982 | 1,658,982 |

(2) Balances due are for PC 15 Coastal Treatment Plant.

Large Capital Project Fiscal Year '17-18 Budget and Year-to-Date Spending 06/30/2018

Exhibit D-1



South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018

Exhibit E-1

02 - Jay B. Latham Plant

Salary and Fringe

| | Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|----------------------------|------------------|------------------|------------------|------------------|---------------------|---------------|
| 02-5000-01-*** | 1,228,504 | | 1,228,504 | 1,232,096 | (3,592) | 100.3% (1) |
| 02-5000-02-*** | 163,196 | | 163,196 | 146,821 | 16,375 | 90.0% |
| 02-5001-01-*** | 21,908 | 60,000 | 81,908 | 44,258 | 37,650 | 54.0% (2) |
| 02-5001-02-*** | 204 | | 204 | 838 | (634) | 410.7% |
| 02-5302-01-01-00 | - | | - | 6,573 | (6,573) | 0.0% |
| 02-5306-01-*** | 11,992 | | 11,992 | 15,524 | (3,532) | 129.4% (3) |
| 02-5306-02-*** | 1,804 | | 1,804 | 2,192 | (388) | 121.5% (3) |
| 02-5315-01-00-00 | - | | - | 24,056 | (24,056) | 0.0% |
| 02-5315-02-00-00 | - | | - | 1,429 | (1,429) | 0.0% |
| 02-5401-01-*** | 911,556 | | 911,556 | 934,029 | (22,473) | 102.5% |
| 02-5401-02-*** | 121,096 | | 121,096 | 111,302 | 9,794 | 91.9% |
| 02-5700-01-*** | 23,328 | | 23,328 | 25,350 | (2,022) | 108.7% |
| Total Payroll Costs | 2,483,588 | 60,000 | 2,543,588 | 2,544,467 | (879) | 100.0% |

Other Expenses

| | | | | | | |
|-----------------------------|------------------|----------------|------------------|------------------|---------------|--------------|
| 02-5002-01-*** | 524,000 | 130,000 | 654,000 | 795,634 | (141,634) | 121.7% (4) |
| 02-5003-01-*** | 65,012 | | 65,012 | 67,058 | (2,046) | 103.1% (4) |
| 02-5004-01-*** | 15,004 | | 15,004 | 17,740 | (2,736) | 118.2% |
| 02-5006-01-*** | 28,000 | | 28,000 | 22,756 | 5,244 | 81.3% |
| 02-5007-01-*** | 301,004 | | 301,004 | 190,184 | 110,820 | 63.2% |
| 02-5008-01-*** | 100,004 | 25,000 | 125,004 | 129,185 | (4,181) | 103.3% (5) |
| 02-5009-01-*** | 25,000 | | 25,000 | 22,798 | 2,202 | 91.2% |
| 02-5010-01-*** | 1,000 | | 1,000 | 8 | 992 | 0.8% |
| 02-5011-02-*** | 10,500 | | 10,500 | 7,034 | 3,466 | 67.0% |
| 02-5012-01-*** | 40,000 | | 40,000 | 49,304 | (9,304) | 123.3% (6) |
| 02-5013-01-*** | 48,000 | | 48,000 | 33,084 | 14,916 | 68.9% |
| 02-5014-01-*** | 4,996 | | 4,996 | 11,440 | (6,444) | 229.0% (7) |
| 02-5014-02-*** | 100,004 | | 100,004 | 12,320 | 87,684 | 12.3% |
| 02-5015-01-*** | 4,996 | | 4,996 | 8,640 | (3,644) | 172.9% (7) |
| 02-5015-02-*** | 13,000 | | 13,000 | 31,228 | (18,228) | 240.2% (8) |
| 02-5017-01-*** | 1,200 | | 1,200 | 8,222 | (7,022) | 685.2% (9) |
| 02-5019-01-*** | 95,000 | | 95,000 | 105,030 | (10,030) | 110.6% |
| 02-5020-01-00-00 | - | | - | 9,208 | (9,208) | 0.0% |
| 02-5021-01-*** | 8,004 | | 8,004 | 6,805 | 1,199 | 85.0% (11) |
| 02-5022-01-*** | 8,004 | | 8,004 | 19,092 | (11,088) | 238.5% |
| 02-5023-01-*** | 25,008 | | 25,008 | 648 | 24,360 | 2.6% |
| 02-5024-01-*** | 16,004 | | 16,004 | 14,973 | 1,031 | 93.6% |
| 02-5025-01-*** | 12,996 | | 12,996 | 9,432 | 3,564 | 72.6% |
| 02-5026-01-*** | 15,000 | | 15,000 | 68,867 | (53,867) | 459.1% |
| 02-5027-01-*** | 70,448 | | 70,448 | 5,258 | 65,190 | 7.5% |
| 02-5028-01-*** | 40,004 | | 40,004 | 52,691 | (12,687) | 131.7% (10) |
| 02-5030-01-*** | 1,000 | | 1,000 | 2,051 | (1,051) | 205.1% (12) |
| 02-5031-02-*** | 30,396 | | 30,396 | 36,016 | (5,620) | 118.5% (13) |
| 02-5032-01-*** | 3,000 | | 3,000 | 2 | 2,998 | 0.1% |
| 02-5033-01-*** | 1,000 | | 1,000 | 1,245 | (245) | 124.5% |
| 02-5034-01-*** | 13,836 | | 13,836 | 10,564 | 3,272 | 76.4% |
| 02-5034-02-*** | 3,140 | | 3,140 | 2,268 | 872 | 72.2% |
| 02-5035-01-*** | 15,904 | | 15,904 | 35,582 | (19,678) | 223.7% (14) |
| 02-5035-02-*** | 1,116 | | 1,116 | 976 | 140 | 87.5% |
| 02-5036-02-*** | 13,004 | | 13,004 | 13,081 | (77) | 100.6% (15) |
| 02-5037-01-*** | 15,500 | | 15,500 | 17,424 | (1,924) | 112.4% (16) |
| 02-5038-02-*** | 22,000 | | 22,000 | 19,616 | 2,384 | 89.2% (17) |
| 02-5039-01-*** | 3,044 | | 3,044 | 3,184 | (140) | 104.6% (18) |
| 02-5039-02-*** | 800 | | 800 | 960 | (160) | 120.1% (18) |
| 02-5049-01-*** | 550,004 | | 550,004 | 491,660 | 58,344 | 89.4% |
| 02-5050-01-*** | 9,004 | | 9,004 | 11,666 | (2,662) | 129.6% (19) |
| 02-5052-01-*** | 40,004 | | 40,004 | 23,114 | 16,890 | 57.8% (20) |
| 02-5054-01-*** | 20,004 | | 20,004 | 7,644 | 12,360 | 38.2% |
| 02-5055-01-*** | 6,000 | | 6,000 | 1,576 | 4,424 | 26.3% |
| 02-5056-01-*** | 138,000 | | 138,000 | 157,174 | (19,174) | 113.9% (33) |
| 02-5057-01-*** | 240,000 | | 240,000 | 229,354 | 10,646 | 95.6% |
| 02-5058-01-*** | 26,000 | | 26,000 | 17,935 | 8,065 | 69.0% |
| 02-5059-01-*** | 250,000 | 40,000 | 290,000 | 292,569 | (2,569) | 100.9% |
| 02-5061-01-*** | 1,000 | | 1,000 | 172 | 828 | 17.2% |
| 02-5061-02-*** | 492 | | 492 | 285 | 207 | 57.9% |
| 02-5303-01-*** | 3,604 | | 3,604 | 3,344 | 260 | 92.8% |
| 02-5303-02-00-00 | - | | - | 969 | (969) | 0.0% |
| 02-5305-01-*** | 3,812 | | 3,812 | 3,945 | (133) | 103.5% |
| 02-5309-01-*** | 6,000 | | 6,000 | 41,285 | (35,285) | 688.1% (21) |
| 02-5705-01-*** | 7,196 | | 7,196 | 10,823 | (3,627) | 150.4% |
| 02-5705-02-00-00 | - | | - | 1,777 | (1,777) | 0.0% |
| 02-5802-01-00-00 | - | | - | 760 | (760) | 0.0% |
| 02-6500-01-*** | 184,880 | | 184,880 | 173,621 | 11,259 | 93.9% |
| 02-6500-02-*** | 24,040 | 36 | 24,040 | 22,574 | 1,466 | 93.9% |
| Total Other Expenses | 3,205,968 | 195,000 | 3,400,968 | 3,333,851 | 67,117 | 98.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018

Exhibit E-1

| | Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|--|-----------|------------------|-----------------|-----------|---------------------|-------------|
| Total Expenses | 5,689,556 | 255,000 | 5,944,556 | 5,878,318 | 66,238 | 98.9% |
| 05 - San Juan Creek Ocean Outfall | | | | | | |
| Salary and Fringe | | | | | | |
| 05-5000-01-**-** Regular Salaries-O&M | 11,252 | | 11,252 | 600 | 10,652 | 5.3% |
| 05-5000-02-**-** Regular Salaries-O&M | 90,480 | | 90,480 | 89,591 | 889 | 99.0% |
| 05-5001-01-**-** Overtime Salaries-O&M | 376 | | 376 | - | 376 | 0.0% |
| 05-5001-02-**-** Overtime Salaries-O&M | 96 | | 96 | 210 | (114) | 219.2% |
| 05-5306-01-**-** Scheduled Holiday Work | 96 | | 96 | - | 96 | 0.0% |
| 05-5306-02-**-** Scheduled Holiday Work | 2,404 | | 2,404 | 411 | 1,993 | 17.1% |
| 05-5401-01-**-** Fringe Benefits IN to PC's & Depts. | 8,348 | | 8,348 | 455 | 7,893 | 5.4% |
| 05-5401-02-**-** Fringe Benefits IN to PC's & Depts. | 67,136 | | 67,136 | 67,918 | (782) | 101.2% |
| Total Payroll Costs | 180,188 | - | 180,188 | 159,186 | 21,002 | 88.3% |
| Other Expenses | | | | | | |
| 05-5002-01-**-** Electricity | 1,000 | | 1,000 | 58 | 942 | 5.8% |
| 05-5003-01-**-** Natural Gas | 500 | | 500 | - | 500 | 0.0% |
| 05-5014-02-**-** Engineering - Misc. | 20,004 | | 20,004 | - | 20,004 | 0.0% |
| 05-5015-02-**-** Management Support Services | 27,500 | | 27,500 | 7,404 | 20,096 | 26.9% |
| 05-5017-02-**-** Legal Fees | 2,004 | | 2,004 | - | 2,004 | 0.0% |
| 05-5026-01-**-** Small Vehicle Fuel - 37A | 2,496 | | 2,496 | - | 2,496 | 0.0% |
| 05-5027-01-**-** Insurance - Property/Liability | 5,372 | | 5,372 | 35 | 5,337 | 0.6% |
| 05-5027-02-**-** Insurance - Property/Liability | - | | - | 5,276 | (5,276) | 0.0% |
| 05-5031-02-**-** Safety Supplies | 128 | | 128 | - | 128 | 0.0% |
| 05-5034-02-**-** Travel Expense/Tech. Conferences | 2,484 | | 2,484 | 2,452 | 32 | 98.7% |
| 05-5036-02-**-** Laboratory Supplies | 16,000 | | 16,000 | 19,518 | (3,518) | 122.0% (22) |
| 05-5038-02-**-** Permits | 145,000 | | 145,000 | 156,592 | (11,592) | 108.0% (17) |
| 05-5044-02-**-** Offshore Monitoring | 20,004 | | 20,004 | 16,378 | 3,626 | 81.9% |
| 05-5046-02-**-** Effluent Chemistry | 16,000 | | 16,000 | 20,578 | (4,578) | 128.6% |
| 05-5058-01-**-** Maintenance Equip. & Facilities (Com | 1,004 | | 1,004 | 38 | 967 | 3.7% |
| 05-5069-02-**-** Misc-Capital-Dilution & Metering Stud | 15,004 | | 15,004 | 19,225 | (4,221) | 128.1% |
| 05-5305-02-**-** Medicare Tax Payments for Employee | 2,352 | | 2,352 | - | 2,352 | 0.0% |
| 05-5705-02-**-** Monthly Car Allowance | 4,200 | | 4,200 | 646 | 3,554 | 15.4% |
| 05-6500-01-**-** IT Allocations in to PC's & Depts. | 1,692 | | 1,692 | 1,589 | 103 | 93.9% |
| 05-6500-02-**-** IT Allocations in to PC's & Depts. | 12,952 | | 12,952 | 12,165 | 787 | 93.9% |
| Total Other Expenses | 295,696 | - | 295,696 | 261,954 | 33,742 | 88.6% |
| Total Expenses | 475,884 | - | 475,884 | 421,139 | 54,745 | 88.5% |
| 08 - Pre Treatment | | | | | | |
| Salary and Fringe | | | | | | |
| 08-5000-02-**-** Regular Salaries-O&M | 83,504 | | 83,504 | 72,343 | 11,161 | 86.6% |
| 08-5001-02-**-** Overtime Salaries-O&M | 1,412 | | 1,412 | - | 1,412 | 0.0% |
| 08-5306-02-**-** Scheduled Holiday Work | 200 | | 200 | - | 200 | 0.0% |
| 08-5315-02-00-00 Comp Time - O&M | - | | - | 1,223 | (1,223) | 0.0% |
| 08-5401-02-**-** Fringe Benefits IN to PC's & Depts. | 61,956 | | 61,956 | 54,842 | 7,114 | 88.5% |
| Total Payroll Costs | 147,072 | - | 147,072 | 128,408 | 18,664 | 87.3% |
| Other Expenses | | | | | | |
| 08-5011-02-**-** Laboratory Services | 2,500 | | 2,500 | 290 | 2,210 | 11.6% |
| 08-5015-02-**-** Management Support Services | 2,008 | | 2,008 | 518 | 1,490 | 25.8% |
| 08-5016-02-**-** Audit - Environmental | 500 | | 500 | - | 500 | 0.0% |
| 08-5017-02-**-** Legal Fees | 2,008 | | 2,008 | - | 2,008 | 0.0% |
| 08-5018-02-**-** Public Notices/ Public Relations | 500 | | 500 | 1,241 | (741) | 248.2% |
| 08-5021-02-**-** Small Vehicle Expense | 900 | | 900 | 18 | 882 | 2.0% |
| 08-5022-02-**-** Miscellaneous Expense | 1,496 | | 1,496 | - | 1,496 | 0.0% |
| 08-5026-02-**-** Small Vehicle Fuel - 37A | 1,200 | | 1,200 | - | 1,200 | 0.0% |
| 08-5027-02-**-** Insurance - Property/Liability | 2,196 | | 2,196 | 1,897 | 299 | 86.4% |
| 08-5028-02-**-** Small Tools & Supplies | 3,472 | | 3,472 | 1,721 | 1,751 | 49.6% |
| 08-5034-02-**-** Travel Expense/Tech. Conferences | 3,504 | | 3,504 | 2,527 | 977 | 72.1% |
| 08-5035-02-**-** Training Expense | 1,496 | | 1,496 | 1,500 | (4) | 100.3% |
| 08-5038-02-**-** Permits and Fines | 10,008 | | 10,008 | - | 10,008 | 0.0% |
| 08-5039-02-**-** Membership Dues/Fees | 796 | | 796 | 534 | 262 | 67.1% |
| 08-6500-02-**-** IT Allocations in to PC's & Depts. | 12,568 | | 12,568 | 11,802 | 766 | 93.9% |
| Total Other Expenses | 45,152 | - | 45,152 | 22,049 | 23,103 | 48.8% |
| Total Expenses | 192,224 | - | 192,224 | 150,456 | 41,768 | 78.3% |
| 12 - Water Reclamation Permits | | | | | | |
| Salary and Fringe | | | | | | |
| 12-5000-02-**-** Regular Salaries-O&M | 50,192 | | 50,192 | 28,519 | 21,673 | 56.8% |
| 12-5306-02-**-** Scheduled Holiday Work | 392 | | 392 | - | 392 | 0.0% |
| 12-5401-02-**-** Fringe Benefits IN to PC's & Depts. | 37,240 | | 37,240 | 21,620 | 15,620 | 58.1% |
| Total Payroll Costs | 87,824 | - | 87,824 | 50,139 | 37,685 | 57.1% |
| Other Expenses | | | | | | |
| 12-5015-02-**-** Management Support Services | 15,992 | | 15,992 | 4,110 | 11,882 | 25.7% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018

Exhibit E-1

| | Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|----------------|------------------------------------|------------------|-----------------|---------------|---------------------|--------------|
| 12-5017-02-*** | Legal Fees | | 5,000 | - | 5,000 | 0.0% |
| 12-5027-02-*** | Insurance - Property/Liability | | 2,740 | 997 | 1,743 | 36.4% |
| 12-5034-02-*** | Travel Expense/Tech. Conferences | | 1,256 | 1,149 | 107 | 91.5% |
| 12-5038-02-*** | Permits | | 124,996 | 16,067 | 108,929 | 12.9% |
| 12-6500-02-*** | IT Allocations in to PC's & Depts. | | 7,064 | 6,639 | 425 | 94.0% |
| | Total Other Expenses | | 157,048 | 28,962 | 128,086 | 18.4% |
| | Total Expenses | | 244,872 | 79,101 | 165,771 | 32.3% |

15 - Coastal Treatment Plant

Salary and Fringe

| | | | | | | |
|------------------|-------------------------------------|--|------------------|------------------|----------------|--------------|
| 15-5000-01-*** | Regular Salaries-O&M | | 697,360 | 636,091 | 61,269 | 91.2% |
| 15-5000-02-*** | Regular Salaries-O&M | | 149,952 | 115,385 | 34,567 | 76.9% |
| 15-5001-01-*** | Overtime Salaries-O&M | | 10,920 | 21,344 | (10,424) | 195.5% (23) |
| 15-5001-02-*** | Overtime Salaries-O&M | | 188 | 941 | (753) | 500.7% (23) |
| 15-5306-01-*** | Scheduled Holiday Work | | 3,004 | 5,407 | (2,403) | 180.0% (3) |
| 15-5306-02-*** | Scheduled Holiday Work | | 1,800 | 2,142 | (342) | 119.0% (3) |
| 15-5315-01-00-00 | Comp Time - O&M | | - | 452 | (452) | 0.0% |
| 15-5401-01-*** | Fringe Benefits IN to PC's & Depts. | | 517,440 | 482,209 | 35,231 | 93.2% |
| 15-5401-02-*** | Fringe Benefits IN to PC's & Depts. | | 111,268 | 87,471 | 23,797 | 78.6% |
| 15-5700-01-*** | Standby Pay | | 23,336 | 16,900 | 6,436 | 72.4% |
| | Total Payroll Costs | | 1,515,268 | 1,368,343 | 146,925 | 90.3% |

Other Expenses

| | | | | | | |
|------------------|--|--|---------|---------|----------|-------------|
| 15-5002-01-*** | Electricity | | 283,004 | 223,284 | 59,720 | 78.9% |
| 15-5003-01-*** | Natural Gas | | 3,000 | 1,737 | 1,263 | 57.9% |
| 15-5004-01-*** | Potable & Reclaimed Water | | 13,000 | 22,018 | (9,018) | 169.4% (24) |
| 15-5006-01-*** | Chlorine/Sodium Hypochlorite | | 99,996 | 62,049 | 37,947 | 62.1% |
| 15-5007-01-*** | Polymer Products | | 2,004 | 347 | 1,657 | 17.3% |
| 15-5008-01-*** | Ferric Chloride | | 30,004 | 32,882 | (2,878) | 109.6% |
| 15-5009-01-*** | Odor Control Chemicals | | 85,000 | 54,339 | 30,661 | 63.9% |
| 15-5011-02-*** | Laboratory Services | | 9,500 | 8,839 | 661 | 93.0% |
| 15-5012-01-*** | Grit Hauling | | 30,004 | 21,514 | 8,490 | 71.7% |
| 15-5013-01-*** | Landscaping | | 60,008 | 38,116 | 21,892 | 63.5% |
| 15-5014-01-*** | Engineering - Misc. | | 5,000 | 7,238 | (2,238) | 144.8% (7) |
| 15-5014-02-*** | Engineering - Misc. | | 50,000 | - | 50,000 | 0.0% |
| 15-5015-01-*** | Management Support Services | | 5,000 | 306 | 4,694 | 6.1% |
| 15-5015-02-*** | Management Support Services | | 4,500 | 2,467 | 2,033 | 54.8% |
| 15-5017-01-*** | Legal Fees | | - | 11,762 | (11,762) | 0.0% |
| 15-5019-01-*** | Contract Services Misc. | | 67,000 | 71,117 | (4,117) | 106.1% (7) |
| 15-5021-01-*** | Small Vehicle Expense | | 5,996 | 3,519 | 2,477 | 58.7% |
| 15-5022-01-*** | Miscellaneous Expense | | 2,996 | 1,379 | 1,617 | 46.0% |
| 15-5023-01-*** | Office Supplies - All | | 6,996 | 5,054 | 1,942 | 72.2% |
| 15-5024-01-*** | Petroleum Products | | 2,000 | 994 | 1,006 | 49.7% |
| 15-5025-01-*** | Uniforms | | 5,996 | 5,640 | 356 | 94.1% |
| 15-5026-01-*** | Small Vehicle Fuel | | 5,996 | 1,286 | 4,710 | 21.4% |
| 15-5027-01-*** | Insurance - Property/Liability | | 34,640 | 26,040 | 8,600 | 75.2% |
| 15-5028-01-*** | Small Tools & Supplies | | 9,000 | 3,625 | 5,375 | 40.3% |
| 15-5030-01-*** | Trash Disposal | | 2,996 | 9,285 | (6,289) | 309.9% |
| 15-5031-01-00-00 | Safety Supplies | | - | 2,513 | (2,513) | 0.0% |
| 15-5031-02-*** | Safety Program & Supplies | | 24,000 | 25,292 | (1,292) | 105.4% |
| 15-5032-01-*** | Equipment Rental | | 1,000 | 744 | 256 | 74.4% |
| 15-5033-01-00-00 | Recruitment | | - | 500 | (500) | 0.0% |
| 15-5034-01-*** | Travel Expense/Tech. Conferences | | 13,832 | 9,050 | 4,782 | 65.4% |
| 15-5034-02-*** | Travel Expense/Tech. Conferences | | 3,324 | 1,785 | 1,539 | 53.7% |
| 15-5035-01-*** | Training Expense | | 15,904 | 14,377 | 1,527 | 90.4% |
| 15-5035-02-*** | Training Expense | | 1,116 | 484 | 632 | 43.4% |
| 15-5036-02-*** | Laboratory Supplies | | 10,004 | 10,209 | (205) | 102.0% |
| 15-5037-01-*** | Office Equipment | | 1,000 | 1,471 | (471) | 147.1% |
| 15-5038-02-*** | Permits | | 6,504 | 6,625 | (121) | 101.9% |
| 15-5039-01-*** | Membership Dues/Fees | | 2,996 | 1,656 | 1,340 | 55.3% |
| 15-5039-02-*** | Membership Dues/Fees | | 804 | 603 | 201 | 75.0% |
| 15-5047-01-*** | Access Road Expenses | | 46,996 | 28,848 | 18,148 | 61.4% |
| 15-5048-01-*** | Storm Damage | | 19,000 | - | 19,000 | 0.0% |
| 15-5049-01-*** | Biosolids Disposal - 21B | | 125,000 | - | 125,000 | 0.0% |
| 15-5050-01-*** | Contract Services Generators | | 4,004 | 4,512 | (508) | 112.7% |
| 15-5052-01-*** | Janitorial Services | | 20,008 | 10,682 | 9,326 | 53.4% |
| 15-5054-01-*** | Diesel Truck Maint | | 996 | 332 | 664 | 33.4% |
| 15-5055-01-*** | Diesel Truck Fuel - 37B | | 996 | - | 996 | 0.0% |
| 15-5057-01-*** | Maintenance Equip. & Facilities (Liqui | | 170,004 | 94,448 | 75,556 | 55.6% |
| 15-5058-01-*** | Maintenance Equip. & Facilities (Com | | 20,008 | 4,310 | 15,698 | 21.5% |
| 15-5060-01-*** | Maintenance Equip. & Facilities (AWT | | 35,000 | 30,247 | 4,753 | 86.4% |
| 15-5061-01-*** | Mileage | | 1,196 | 80 | 1,116 | 6.7% |
| 15-5303-01-*** | Group Insurance Waiver | | 3,596 | 3,794 | (198) | 105.5% |
| 15-5305-01-*** | Medicare Tax Payments for Employee | | 2,964 | 3,256 | (292) | 109.8% |
| 15-5705-01-*** | Monthly Car Allowance | | 4,200 | 4,846 | (646) | 115.4% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018

Exhibit E-1

| | Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|---|------------------|------------------|------------------|------------------|---------------------|--------------|
| 15-5802-01-00-00 Shipping/Freight | - | | - | 49 | (49) | 0.0% |
| 15-6500-01-*** IT Allocations in to PC's & Depts. | 104,820 | | 104,820 | 98,435 | 6,385 | 93.9% |
| 15-6500-02-*** IT Allocations in to PC's & Depts. | 22,212 | | 22,212 | 20,862 | 1,350 | 93.9% |
| Total Other Expenses | 1,485,120 | - | 1,485,120 | 994,848 | 490,272 | 67.0% |
| Total Expenses | 3,000,388 | - | 3,000,388 | 2,363,190 | 637,198 | 78.8% |

17 - Joint Regional Wastewater Reclamation and Sludge Handling

Salary and Fringe

| | | | | | | |
|--|-----------|---|-----------|-----------|----------|--------------|
| 17-5000-01-*** Regular Salaries-O&M | 1,531,652 | | 1,531,652 | 1,349,872 | 181,780 | 88.1% |
| 17-5000-02-*** Regular Salaries-O&M | 272,888 | | 272,888 | 248,775 | 24,113 | 91.2% |
| 17-5001-01-*** Overtime Salaries-O&M | 39,148 | | 39,148 | 71,212 | (32,064) | 181.9% (23) |
| 17-5001-02-*** Overtime Salaries-O&M | 196 | | 196 | 2,801 | (2,605) | 1428.9% (23) |
| 17-5306-01-*** Scheduled Holiday Work | - | | - | 5,285 | (5,285) | 0.0% (3) |
| 17-5306-02-*** Scheduled Holiday Work | 12,004 | | 12,004 | 16,430 | (4,426) | 136.9% (3) |
| 17-5315-01-00-00 Comp Time - O&M | 2,992 | | 2,992 | 3,992 | (1,000) | 133.4% (23) |
| 17-5315-02-00-00 Comp Time - O&M | - | | - | 4,009 | (4,009) | 0.0% (23) |
| 17-5401-01-*** Fringe Benefits IN to PC's & Depts. | - | | - | 4,326 | (4,326) | 0.0% |
| 17-5401-02-*** Fringe Benefits IN to PC's & Depts. | 1,136,496 | | 1,136,496 | 1,023,313 | 113,183 | 90.0% |
| 17-5700-01-*** Standby Pay | 202,488 | | 202,488 | 188,592 | 13,896 | 93.1% |
| Total Payroll Costs | 23,332 | | 23,332 | 25,675 | (2,343) | 110.0% |
| | 3,221,196 | - | 3,221,196 | 2,944,281 | 276,915 | 91.4% |

Other Expenses

| | | | | | | |
|---|-----------|--|-----------|---------|-----------|-------------|
| 17-5002-01-*** Electricity | 675,000 | | 675,000 | 786,940 | (111,940) | 116.6% (25) |
| 17-5003-01-*** Natural Gas | 141,000 | | 141,000 | 47,757 | 93,243 | 33.9% (25) |
| 17-5004-01-*** Potable & Reclaimed Water | 34,004 | | 34,004 | 34,564 | (560) | 101.6% |
| 17-5005-01-*** Co-generation Power Credit | (250,000) | | (250,000) | - | (250,000) | 0.0% (25) |
| 17-5006-01-*** Chlorine/Sodium Hypochlorite | 350,004 | | 350,004 | 452,098 | (102,094) | 129.2% (26) |
| 17-5007-01-*** Polymer Products | 406,008 | | 406,008 | 313,431 | 92,577 | 77.2% |
| 17-5008-01-*** Ferric Chloride | 125,004 | | 125,004 | 155,475 | (30,471) | 124.4% (27) |
| 17-5009-01-*** Odor Control Chemicals | 50,000 | | 50,000 | 43,735 | 6,265 | 87.5% |
| 17-5010-01-*** Other Chemicals - Misc. | 4,000 | | 4,000 | 747 | 3,253 | 18.7% |
| 17-5011-02-*** Laboratory Services | 14,000 | | 14,000 | 12,068 | 1,932 | 86.2% |
| 17-5012-01-*** Grit Hauling - 21A | 52,004 | | 52,004 | 50,325 | 1,679 | 96.8% |
| 17-5013-01-*** Landscaping | 74,996 | | 74,996 | 64,200 | 10,796 | 85.6% |
| 17-5014-01-*** Engineering - Misc. | 5,004 | | 5,004 | 5,612 | (608) | 112.2% |
| 17-5014-02-*** Engineering - Misc. | 125,000 | | 125,000 | 4,760 | 120,240 | 3.8% |
| 17-5015-01-*** Management Support Services | 5,004 | | 5,004 | 5,500 | (496) | 109.9% (7) |
| 17-5015-02-*** Management Support Services | 22,504 | | 22,504 | 5,917 | 16,587 | 26.3% |
| 17-5017-01-00-00 Legal Fees | - | | - | 2,840 | (2,840) | 0.0% |
| 17-5019-01-*** Contract Services Misc. | 125,000 | | 125,000 | 105,216 | 19,784 | 84.2% |
| 17-5020-01-00-00 Postage Expense | - | | - | 6,887 | (6,887) | 0.0% |
| 17-5021-01-*** Small Vehicle Expense | 6,000 | | 6,000 | 5,418 | 582 | 90.3% |
| 17-5022-01-*** Miscellaneous Expense | 5,996 | | 5,996 | 13,130 | (7,134) | 219.0% |
| 17-5023-01-*** Office Supplies - All | 9,996 | | 9,996 | 18,865 | (8,869) | 188.7% |
| 17-5024-01-*** Petroleum Products | 41,996 | | 41,996 | 16,657 | 25,339 | 39.7% |
| 17-5025-01-*** Uniforms | 17,008 | | 17,008 | 6,755 | 10,253 | 39.7% |
| 17-5026-01-*** Small Vehicle Fuel | 12,996 | | 12,996 | 83,329 | (70,333) | 641.2% |
| 17-5027-01-*** Insurance - Property/Liability | 90,252 | | 90,252 | 7,853 | 82,399 | 8.7% |
| 17-5028-01-*** Small Tools & Supplies | 25,000 | | 25,000 | 26,529 | (1,529) | 106.1% |
| 17-5030-01-*** Trash Disposal | 1,004 | | 1,004 | 2,700 | (1,696) | 268.9% (12) |
| 17-5031-02-*** Safety Program & Supplies | 31,352 | | 31,352 | 36,514 | (5,162) | 116.5% (13) |
| 17-5032-01-*** Equipment Rental | 3,004 | | 3,004 | 1,278 | 1,726 | 42.5% |
| 17-5033-01-00-00 Recruitment | - | | - | 3,457 | (3,457) | 0.0% |
| 17-5034-01-*** Travel Expense/Tech. Conferences | 13,832 | | 13,832 | 17,655 | (3,823) | 127.6% (14) |
| 17-5034-02-*** Travel Expense/Tech. Conferences | 3,324 | | 3,324 | 3,004 | 320 | 90.4% (14) |
| 17-5035-01-*** Training Expense | 15,904 | | 15,904 | 39,236 | (23,332) | 246.7% (14) |
| 17-5035-02-*** Training Expense | 1,124 | | 1,124 | 1,197 | (73) | 106.5% (14) |
| 17-5036-02-*** Laboratory Supplies | 19,020 | | 19,020 | 14,896 | 4,124 | 78.3% |
| 17-5037-01-*** Office Equipment | 5,996 | | 5,996 | 19,844 | (13,848) | 331.0% (28) |
| 17-5038-02-*** Permits | 35,000 | | 35,000 | 22,165 | 12,835 | 63.3% |
| 17-5039-01-*** Membership Dues/Fees | 3,004 | | 3,004 | 5,529 | (2,525) | 184.1% (18) |
| 17-5039-02-*** Membership Dues/Fees | 800 | | 800 | 1,026 | (226) | 128.2% |
| 17-5049-01-*** Biosolids Disposal | 866,000 | | 866,000 | 831,144 | 34,856 | 96.0% |
| 17-5050-01-*** Contract Services Generators | 8,000 | | 8,000 | 4,936 | 3,064 | 61.7% |
| 17-5052-01-*** Janitorial Services | 40,004 | | 40,004 | 19,403 | 20,601 | 48.5% (19) |
| 17-5053-01-*** Contract Serv - Digester Cleaning - 2 | 60,004 | | 60,004 | 63,126 | (3,122) | 105.2% |
| 17-5054-01-*** Diesel Truck Maint | 19,000 | | 19,000 | 10,977 | 8,023 | 57.8% |
| 17-5055-01-*** Diesel Truck Fuel | 7,000 | | 7,000 | 2,904 | 4,096 | 41.5% |
| 17-5056-01-*** Maintenance Equip. & Facilities (Solid | 190,004 | | 190,004 | 199,968 | (9,964) | 105.2% (34) |
| 17-5057-01-*** Maintenance Equip. & Facilities (Liqui | 164,996 | | 164,996 | 227,263 | (62,267) | 137.7% (29) |
| 17-5058-01-*** Maintenance Equip. & Facilities (Com | 25,000 | | 25,000 | 26,754 | (1,754) | 107.0% |
| 17-5059-01-*** Maintenance Equip. & Facilities (Co-C | 250,000 | | 250,000 | 83,601 | 166,399 | 33.4% (25) |
| 17-5060-01-*** Maintenance Equip. & Facilities (AWT | 35,000 | | 35,000 | 75,672 | (40,672) | 216.2% (30) |
| 17-5061-01-*** Mileage | 3,000 | | 3,000 | 1,360 | 1,640 | 45.3% |
| 17-5061-02-00-00 Mileage | - | | - | 52 | (52) | 0.0% |
| 17-5068-02-*** MNWD Potable Water Supplies & Svc | 23,996 | | 23,996 | 22,462 | 1,534 | 93.6% |

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018

Exhibit E-1

| | Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|---|-------------------|------------------|-------------------|-------------------|---------------------|--------------|
| 17-5077-01-00-00 IT Direct | - | | - | 500 | (500) | 0.0% |
| 17-5101-01-00-00 Employee Recognition | - | | - | 274 | (274) | 0.0% |
| 17-5105-01-**-** Co-Generation Power Credit - Offset | 250,000 | | 250,000 | - | 250,000 | 0.0% (25) |
| 17-5303-01-**-** Group Insurance Waiver | 32 | | 32 | 554 | (522) | 1730.8% |
| 17-5303-02-**-** Group Insurance Waiver | 3,564 | | 3,564 | 2,423 | 1,141 | 68.0% |
| 17-5305-01-**-** Medicare Tax Payments for Employee | 1,784 | | 1,784 | 987 | 797 | 55.3% |
| 17-5305-02-**-** Medicare Tax Payments for Employee | 132 | | 132 | - | 132 | 0.0% |
| 17-5309-01-**-** Operating Leases | 6,000 | | 6,000 | - | 6,000 | 0.0% |
| 17-5705-01-**-** Monthly Car Allowance | 8,396 | | 8,396 | 9,785 | (1,389) | 116.5% |
| 17-5705-02-**-** Monthly Car Allowance | 4,204 | | 4,204 | 1,777 | 2,427 | 42.3% |
| 17-5706-01-**-** Effluent Pond Cleaning | 90,004 | | 90,004 | - | 90,004 | 0.0% (35) |
| 17-5802-01-00-00 Shipping/Freight | - | | - | 75 | (75) | 0.0% |
| 17-6500-01-**-** IT Allocations in to PC's & Depts. | 230,508 | | 230,508 | 216,462 | 14,046 | 93.9% |
| 17-6500-02-**-** IT Allocations in to PC's & Depts. | 40,652 | | 40,652 | 38,177 | 2,475 | 93.9% |
| Total Other Expenses | 4,628,420 | - | 4,628,420 | 4,285,743 | 342,677 | 92.6% |
| Total Expenses | 7,849,616 | - | 7,849,616 | 7,230,024 | 619,592 | 92.1% |
| 21 - Effluent Transmission Main | | | | | | |
| Other Expenses | | | | | | |
| 21-5014-02-**-** Engineering - Misc. | 62,496 | | 62,496 | - | 62,496 | 0.0% |
| 21-5019-02-00-00 Contract Services Misc. - 29 | - | | - | 735 | (735) | 0.0% |
| 21-5027-02-**-** Insurance - Property/Liability | 728 | | 728 | 9 | 719 | 1.3% |
| Total Other Expenses | 63,224 | - | 63,224 | 745 | 62,479 | 1.2% |
| Total Expenses | 63,224 | - | 63,224 | 745 | 62,479 | 1.2% |
| 23 - North Coast Interceptor | | | | | | |
| Other Expenses | | | | | | |
| 23-5017-01-00-00 Legal Fees | - | | - | 770 | (770) | 0.0% |
| Total Other Expenses | - | - | - | 770 | (770) | 0.0% |
| Total Expenses | - | - | - | 770 | (770) | 0.0% |
| 24 - Aliso Creek Ocean Outfall | | | | | | |
| Salary and Fringe | | | | | | |
| 24-5000-01-**-** Regular Salaries-O&M | 6,696 | | 6,696 | 600 | 6,096 | 9.0% |
| 24-5000-02-**-** Regular Salaries-O&M | 85,624 | | 85,624 | 87,724 | (2,100) | 102.5% |
| 24-5001-01-**-** Overtime Salaries-O&M | 348 | | 348 | 369 | (21) | 105.9% (31) |
| 24-5001-02-**-** Overtime Salaries-O&M | 196 | | 196 | 123 | 73 | 63.0% |
| 24-5306-01-**-** Scheduled Holiday Work | 104 | | 104 | - | 104 | 0.0% |
| 24-5306-02-**-** Scheduled Holiday Work | 3,112 | | 3,112 | 133 | 2,979 | 4.3% |
| 24-5401-01-**-** Fringe Benefits IN to PC's & Depts. | 4,960 | | 4,960 | 455 | 4,505 | 9.2% |
| 24-5401-02-**-** Fringe Benefits IN to PC's & Depts. | 63,528 | | 63,528 | 66,502 | (2,974) | 104.7% |
| Total Payroll Costs | 164,568 | - | 164,568 | 155,906 | 8,662 | 94.7% |
| Other Expenses | | | | | | |
| 24-5002-01-**-** Electricity | 996 | | 996 | - | 996 | 0.0% |
| 24-5014-02-**-** Engineering - Misc. | 20,004 | | 20,004 | - | 20,004 | 0.0% |
| 24-5015-02-**-** Management Support Services | 27,504 | | 27,504 | 5,884 | 21,620 | 21.4% |
| 24-5017-02-**-** Legal Fees | 2,004 | | 2,004 | - | 2,004 | 0.0% |
| 24-5027-01-00-00 Insurance - Property/Liability | - | | - | 38 | (38) | 0.0% |
| 24-5027-02-**-** Insurance - Property/Liability | 5,364 | | 5,364 | 4,866 | 498 | 90.7% |
| 24-5031-02-**-** Safety Supplies | 996 | | 996 | - | 996 | 0.0% |
| 24-5034-02-**-** Travel Expense/Tech. Conferences | 2,480 | | 2,480 | 588 | 1,892 | 23.7% |
| 24-5036-02-**-** Laboratory Supplies | 16,996 | | 16,996 | 18,460 | (1,464) | 108.6% (32) |
| 24-5038-02-**-** Permits | 131,992 | | 131,992 | 138,513 | (6,521) | 104.9% (17) |
| 24-5044-02-**-** Offshore Monitoring | 22,004 | | 22,004 | 16,378 | 5,626 | 74.4% |
| 24-5046-02-**-** Effluent Chemistry | 29,996 | | 29,996 | 34,909 | (4,913) | 116.4% |
| 24-5058-01-**-** Maintenance Equip. & Facilities (Com | 996 | | 996 | 600 | 396 | 60.2% |
| 24-5067-02-**-** Port Cleaning | 35,000 | | 35,000 | - | 35,000 | 0.0% |
| 24-5802-02-00-00 Shipping/Freight | - | | - | 210 | (210) | 0.0% |
| 24-6500-01-**-** IT Allocations in to PC's & Depts. | 1,008 | | 1,008 | 946 | 62 | 93.8% |
| 24-6500-02-**-** IT Allocations in to PC's & Depts. | 12,288 | | 12,288 | 11,540 | 748 | 93.9% |
| Total Other Expenses | 309,628 | - | 309,628 | 232,932 | 76,696 | 75.2% |
| Total Expenses | 474,196 | - | 474,196 | 388,839 | 85,357 | 82.0% |
| SOCWA TOTAL | 17,989,960 | 255,000 | 18,244,960 | 16,512,582 | 1,732,378 | 90.5% |

*Budget increase approved at Board Meeting.

(1) Staff time to start up and set up the administrative procedures for the engine has been higher than anticipated for the project at JBL.

(2) Overtime costs required due to nighttime and bypass construction activities for capital projects.

(3) Staffing has been required for elevated holiday flows and loads.

(4) Engine project timeframe affecting the electricity and gas budget line items.

**South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended June 30, 2018**

Exhibit E-1

| Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|--------|------------------|-----------------|--------|---------------------|------------|
|--------|------------------|-----------------|--------|---------------------|------------|

- (5) Ferric chloride use has increased more than expected to comply with the new engine gas cleaning system requirements.
- (6) Elevated grit loading from the JBL sewers attributed to elevated dumping of grit in the Oso Trabuco sewers by the member agencies conducting projects.
- (7) SOCWA staff required additional support services to comply with the new engine permit conditions at JBL and RTP. CTP had elevated costs from copying historic O&M manuals.
- (8) Contract work on PC2 trunkline to clean sewers so that the ADS monitors would work properly.
- (9) Legal review of O&M contracts.
- (10) Tools and supplies needed for the new engines were higher than anticipated.
- (11) Older vehicles required repairs.
- (12) Additional trash was removed following the completion of several construction projects.
- (13) Additional safety training for new employees.
- (14) Training expenses due to hiring to replace retirements.
- (15) Planned purchases of samplers occurred at the beginning of the FY. Expenses leveled out as expected.
- (16) Costs for engineering trailer replacement.
- (17) Permit costs are primarily incurred in July of each year. Additional unexpected costs due to RWQCB fines.
- (18) Increased membership costs for new employees. SOCWA had higher levels of membership in CWEA and new operator certifications than originally planned
- (19) Generator maintenance costs typically range from \$5,000 to \$15,000 per plant depending on services needed.
- (20) Janitorial expenses are lower than projected due to late start of new contractor with a higher rate.
- (21) Costs for engineering trailer replacement.
- (22) Elevated costs due to the unexpected need to replace a sampler.
- (23) Overtime costs required due to nighttime and bypass construction activities for capital projects.
- (24) Recycled water purchase required during a construction project to replace the process water controls system.
- (25) The RTP engine project impacted electricity and gas usage.
- (26) Elevated bleach usage occurred in the AWT at RTP due to debris in the clearwell. Staff worked with MNWD to find a period that the AWT could be shutdown and cleaned in March and May. The removal of the sand media from the AWT allowed staff to repair the failing under drain screens to minimize future debris build up. The inspection and repair information was provided to Engineering for incorporation into the upcoming AWT rehab project.
- (27) Ferric chloride use has increased to comply with the new engine gas cleaning system requirements.
- (28) Plant work station and conference room improvements.
- (29) Additional Liquids system O&M opportunities/repairs identified during construction project shutdowns.
- (30) Substantial repairs were needed at RTP upon AWT shutdowns to perform detailed inspections for the upcoming AWT rehab project.
- (31) Staff investigated a potential leak of the outfall after hours. A reoccurring underground spring was determined to be the source of the water found.
- (32) Additional supplies needed for a toxicity event at the ACOO.
- (33) Additional work in the solids area was performed during the extending outages associated with the engine projects during the year. These repairs would be more difficult and/or more costly to perform without the planned extended outages (i.e. flare repairs, gas line repairs, etc.).
- (34) Several emergency repairs were made on the hot water pipelines serving the digesters in June 2018.
- (35) Pond cleaning could not be completed this FY due to conflicts with other ongoing work and will be scheduled for FY18-19.

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
For the Period Ended June 30, 2018

Exhibit E-1.2

| | FY 2017-18 Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended | |
|--------------------------|---|---------------------|--------------------|-------------------|------------------------|---------------|--------|
| Salary and Fringe | | | | | | | |
| **5000-**** | Regular Salaries-O&M | | 4,371,300 | 4,008,417 | 362,883 | 91.7% | |
| **5001-**** | Overtime Salaries-O&M | 60,000 | 134,992 | 142,096 | (7,104) | 105.3% (1) | |
| **5302-**** | Performance Based Merit Pay | | - | 11,858 | (11,858) | 0.0% | |
| **5306-**** | Scheduled Holiday Work | | 39,904 | 46,231 | (6,327) | 115.9% | |
| **5315-**** | Comp Time - O&M | | - | 35,495 | (35,495) | 0.0% | |
| **5401-**** | Fringe Benefits IN to PC's & Depts. | | 3,243,512 | 3,038,707 | 204,805 | 93.7% | |
| **5700-**** | Standby Pay | | 69,996 | 67,925 | 2,071 | 97.0% | |
| | Total Payroll Costs | 60,000 | 7,859,704 | 7,350,729 | 508,975 | 93.5% | |
| Other Expenses | | | | | | | |
| **5002-**** | Electricity | 130,000 | 1,614,000 | 1,805,916 | (191,916) | 111.9% (2) | |
| **5003-**** | Natural Gas | | 209,512 | 116,552 | 92,960 | 55.6% (2) | |
| **5004-**** | Potable & Reclaimed Water | | 62,008 | 74,323 | (12,315) | 119.9% (3) | |
| **5005-**** | Co-generation Power Credit | | (250,000) | - | (250,000) | 0.0% (4) | |
| **5006-**** | Chlorine/Sodium Hypochlorite | | 478,000 | 536,903 | (58,903) | 112.3% (5) | |
| **5007-**** | Polymer Products | | 709,016 | 503,962 | 205,054 | 71.1% | |
| **5008-**** | Ferric Chloride | 25,000 | 280,012 | 317,541 | (37,529) | 113.4% (6) | |
| **5009-**** | Odor Control Chemicals | | 160,000 | 120,872 | 39,128 | 75.5% | |
| **5010-**** | Other Chemicals - Misc. | | 5,000 | 754 | 4,246 | 15.1% | |
| **5011-**** | Laboratory Services | | 36,500 | 28,231 | 8,269 | 77.3% | |
| **5012-**** | Grit Hauling | | 122,008 | 121,142 | 866 | 99.3% | |
| **5013-**** | Landscaping | | 183,004 | 135,400 | 47,604 | 74.0% | |
| **5014-**** | Engineering - Misc. | | 392,508 | 41,370 | 351,138 | 10.5% | |
| **5015-**** | Management Support Services | | 128,008 | 71,974 | 56,034 | 56.2% | |
| **5016-**** | Audit - Environmental | | 500 | - | 500 | 0.0% | |
| **5017-**** | Legal Fees | | 12,216 | 23,595 | (11,379) | 193.1% | |
| **5018-**** | Public Notices/ Public Relations | | 500 | 1,241 | (741) | 248.2% | |
| **5019-**** | Contract Services Misc. | | 287,000 | 282,098 | 4,902 | 98.3% | |
| **5021-**** | Small Vehicle Expense | | 20,900 | 19,633 | 1,267 | 93.9% | |
| **5022-**** | Miscellaneous Expense | | 18,492 | 13,602 | 4,890 | 73.6% | |
| **5023-**** | Office Supplies - All | | 42,000 | 37,276 | 4,724 | 88.8% | |
| **5024-**** | Petroleum Products | | 60,000 | 20,506 | 39,494 | 34.2% (2) | |
| **5025-**** | Uniforms | | 36,000 | 37,269 | (1,269) | 103.5% | |
| **5026-**** | Small Vehicle Fuel | | 37,688 | 17,473 | 20,215 | 46.4% | |
| **5027-**** | Insurance - Property/Liability | | 211,740 | 208,092 | 3,648 | 98.3% | |
| **5028-**** | Small Tools & Supplies | | 77,476 | 90,225 | (12,749) | 116.5% (7) | |
| **5030-**** | Trash Disposal | | 5,000 | 7,263 | (2,263) | 145.3% | |
| **5031-**** | Safety Program & Supplies | | 86,872 | 97,822 | (10,950) | 112.6% (8) | |
| **5032-**** | Equipment Rental | | 7,004 | 2,024 | 4,980 | 28.9% | |
| **5033-**** | Recruitment | | 1,000 | 5,201 | (4,201) | 520.1% (9) | |
| **5034-**** | Travel Expense/Tech. Conferences | | 61,012 | 51,043 | 9,969 | 83.7% | |
| **5035-**** | Training Expense | | 52,564 | 93,351 | (40,787) | 177.6% (10) | |
| **5036-**** | Laboratory Supplies | | 75,024 | 76,163 | (1,139) | 101.5% | |
| **5037-**** | Office Equipment | | 22,496 | 38,739 | (16,243) | 172.2% (11) | |
| **5038-**** | Permits | | 475,500 | 359,577 | 115,923 | 75.6% | |
| **5039-**** | Membership Dues/Fees | | 12,244 | 13,493 | (1,249) | 110.2% | |
| **5040-**** | Natural Gas - 11-EPS - PC 5 | | - | - | - | 0.0% | |
| **5041-**** | Electricity - 10-EPS - PC 5 | | - | - | - | 0.0% | |
| **5042-**** | Contract Services - 29-EPS - PC 5 | | - | - | - | 0.0% | |
| **5044-**** | Offshore Monitoring | | 42,008 | 32,757 | 9,251 | 78.0% | |
| **5045-**** | Offshore Biochemistry - 20B | | - | - | - | 0.0% | |
| **5046-**** | Effluent Chemistry | | 45,996 | 55,487 | (9,491) | 120.6% | |
| **5047-**** | Access Road Expenses | | 46,996 | 28,848 | 18,148 | 61.4% | |
| **5048-**** | Storm Damage | | 19,000 | - | 19,000 | 0.0% | |
| **5049-**** | Biosolids Disposal | | 1,541,004 | 1,322,804 | 218,200 | 85.8% | |
| **5050-**** | Contract Services Generators | | 21,008 | 21,115 | (107) | 100.5% | |
| **5052-**** | Janitorial Services | | 100,016 | 53,199 | 46,817 | 53.2% | |
| **5053-**** | Contract Serv - Digester Cleaning - 29E | | 60,004 | 60,004 | 63,126 | (3,122) | 105.2% |
| **5054-**** | Diesel Truck Maint | | 40,000 | 18,953 | 21,047 | 47.4% | |
| **5055-**** | Diesel Truck Fuel | | 13,996 | 4,480 | 9,516 | 32.0% | |
| **5056-**** | Maintenance Equip. & Facilities (Solids) | | 328,004 | 357,142 | (29,138) | 108.9% | |
| **5057-**** | Maintenance Equip. & Facilities (Liquids) | | 575,000 | 551,066 | 23,934 | 95.8% | |
| **5058-**** | Maintenance Equip. & Facilities (Common) | | 73,008 | 49,636 | 23,372 | 68.0% | |
| **5059-**** | Maintenance Equip. & Facilities (Co-Gen) | 40,000 | 540,000 | 376,170 | 163,830 | 69.7% | |
| **5060-**** | Maintenance Equip. & Facilities (AWT) | | 70,000 | 105,919 | (35,919) | 151.3% (12) | |
| **5061-**** | Mileage | | 5,688 | 1,949 | 3,739 | 34.3% | |
| **5067-**** | Port Cleaning | | 35,000 | - | 35,000 | 0.0% | |
| **5068-**** | MNWD Potable Water Supplies & Svcs. | | 23,996 | 22,462 | 1,534 | 93.6% | |
| **5069-**** | Misc-Capital-Dilution & Metering Study | | 15,004 | 19,225 | (4,221) | 128.1% | |
| **5077-**** | IT Direct | | - | 500 | (500) | 0.0% | |
| 17-5101-01-00-00 | Employee Recognition | | - | 274 | (274) | 0.0% | |
| **5105-**** | Co-Generation Power Credit - Offset | | 250,000 | - | 250,000 | 0.0% (4) | |
| **5303-**** | Group Insurance Waiver | | 10,796 | 11,084 | (288) | 102.7% | |
| **5305-**** | Medicare Tax Payments for Employees | | 11,044 | 8,188 | 2,856 | 74.1% | |
| **5309-**** | Operating Leases | | 12,000 | 41,285 | (29,285) | 344.0% (11) | |
| **5705-**** | Monthly Car Allowance | | 28,196 | 29,654 | (1,458) | 105.2% | |
| **5706-**** | Effluent Pond Cleaning | | 90,004 | - | 90,004 | 0.0% | |
| **5802-**** | Shipping/Freight | | - | 1,094 | (1,094) | 0.0% | |
| **6500-**** | IT Allocations in to PC's & Depts. | | 654,684 | 614,811 | 39,873 | 93.9% | |
| | Total Other Expenses | 195,000 | 10,385,256 | 9,161,853 | 1,223,403 | 88.2% | |
| | Total Expenses | 42 255,000 | 18,244,960 | 16,512,582 | 1,732,378 | 90.5% | |

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary**
For the Period Ended June 30, 2018

Exhibit E-1.2

| FY 2017-18 Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended |
|----------------------|---------------------|--------------------|--------|------------------------|---------------|
|----------------------|---------------------|--------------------|--------|------------------------|---------------|

*Budget increase approved at Board Meeting.

- (1) Overtime costs required due to night-time and bypass construction activities for capital projects.
- (2) Engine projects timeframe affecting the electricity and gas budget line items.
- (3) Recycled water purchases were required during a construction project to replace the process water controls system at CTP.
- (4) The RTP engine project startup was delayed into the next fiscal year.
- (5) Elevated bleach usage occurred in the AWT at RTP due to debris in the clearwell. Staff worked with MNWD to find a period that the AWT could be shutdown and cleaned in March and May. The removal of the sand media from the AWT allowed staff to repair the failing under drain screens to minimize future debris build up. The inspection and repair information was provided to Engineering for incorporation into the upcoming AWT rehab project.
- (6) Ferric chloride use has increased more than expected to comply with both new engine gas cleaning system requirements.
- (7) Tools and supplies needed for the new engines were higher than anticipated.
- (8) Safety work and training nearly complete for the Fiscal Year.
- (9) Recruitment costs related to a higher number of retirements than planned.
- (10) Training expenses due to new hire costs related to retirements.
- (11) Costs were incurred to replace the engineering trailer and modify the RTP lab staff work space. No additional costs expected.
- (12) Substantial repairs were needed at RTP upon AWT shutdowns to perform detailed inspections for the upcoming AWT rehab project.

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

Exhibit E-2

For the Period Ended June 30, 2018

| | | FY 2017-18 Budget | Actual | (Over)/Under Budget | % Expended |
|--------------------------|-------------------------------------|----------------------|----------------|------------------------|---------------|
| Salary and Fringe | | | | | |
| **-5000-**-**-00 | Regular Salaries-O&M | 142,505 | 186,113 | (43,608) | 130.6% |
| 01-5001-03-00-00 | Overtime Salaries-O&M | - | 101 | (101) | 0.0% |
| **-5306-**-**-00 | Scheduled Holiday Work | - | 48 | (48) | 0.0% |
| 01-5401-03-00-00 | Fringe Benefits IN to PC's & Depts. | 105,743 | 141,089 | (35,346) | 133.4% |
| | Total Payroll Costs | 248,248 | 327,352 | (79,104) | 131.9% |
| Other Expenses | | | | | |
| 01-5014-03-03-00 | Engineering - Misc. | - | 3,064 | (3,064) | 0.0% |
| 01-5015-03-00-00 | Management Support Services | 913 | 513 | 400 | 56.2% |
| 01-5022-03-00-00 | Miscellaneous Expense | 2,750 | 1,586 | 1,164 | 57.7% |
| 01-5023-03-00-00 | Office Supplies - All | - | 248 | (248) | 0.0% |
| 01-5034-03-00-00 | Travel Expense/Tech. Conferences | 5,819 | 7,817 | (1,998) | 134.3% |
| 01-5035-03-00-00 | Training Expense | 3,025 | 3,708 | (683) | 122.6% |
| 01-5039-03-00-00 | Membership Dues/Fees | 1,628 | 930 | 698 | 57.1% |
| 01-5061-03-00-00 | Mileage | 185 | 220 | (35) | 118.9% |
| 01-5309-03-00-00 | Operating Leases | 15,125 | 8,706 | 6,419 | 57.6% |
| 01-5705-03-00-00 | Monthly Car Allowance | 3,850 | 4,200 | (350) | 109.1% |
| 01-5802-03-00-00 | Shipping/Freight | 275 | - | 275 | 0.0% |
| 01-6500-03-00-00 | IT Allocations in to PC's & Depts. | 53,614 | 54,928 | (1,314) | 102.5% |
| | Total Other Expenses | 87,184 | 85,920 | 1,264 | 98.6% |
| | Total Expenses | 335,432 | 413,272 | (77,840) | 123.2% |

The costs in this department will vary based on the amount of work required to support Capital Projects vs. Non-Capital Projects.

South Orange County Wastewater Authority
Budget vs. Actual Comparison - Administration
 Year-to-Date June 30, 2018

Exhibit E-3

| | | FY 2017-18 Budget | *Budget Increase | Adjusted Budget | Actual | (Over)/Under Budget | % Expended | |
|--------------------------|-------------------------------------|----------------------|---------------------|--------------------|------------------|------------------------|---------------|-----|
| Salary and Fringe | | | | | | | | |
| 01-6000-04-00-00 | Regular Salaries-Admin or IT | 871,373 | 30,000 | 901,373 | 858,661 | 42,712 | 95.3% | |
| 01-6001-04-00-00 | Overtime Salaries-Admin or IT | 10,000 | | 10,000 | 31,237 | (21,237) | 312.4% | (1) |
| 01-6315-04-00-00 | Comp Time - Admin | - | | - | 10,469 | (10,469) | 0.0% | (1) |
| 01-6401-04-00-00 | Fringe Benefits IN to ADMIN or IT | 646,559 | | 646,559 | 650,935 | (4,376) | 100.7% | (1) |
| | Total Payroll Costs | 1,527,932 | 30,000 | 1,557,932 | 1,551,302 | 6,630 | 99.6% | |
| Other Expenses | | | | | | | | |
| 01-5018-04-00-00 | Public Notices/ Public Relations | 1,400 | | 1,400 | - | 1,400 | 0.0% | |
| 01-5037-04-00-00 | Office Equipment | 8,000 | | 8,000 | - | 8,000 | 0.0% | |
| 01-6101-04-00-00 | HR Recruitment & Employee Relations | 10,104 | | 10,104 | 45,075 | (34,971) | 446.1% | (2) |
| 01-6102-04-00-00 | Subscriptions | 1,008 | | 1,008 | 2,677 | (1,669) | 265.6% | (3) |
| 01-6200-04-00-00 | Management Support Services | 112,500 | 147,500 | 260,000 | 219,478 | 40,522 | 84.4% | |
| 01-6201-04-00-00 | Audit | 35,000 | 5,000 | 40,000 | 61,184 | (21,184) | 153.0% | |
| 01-6202-04-00-00 | Legal | 90,000 | | 90,000 | 276,204 | (186,204) | 306.9% | (1) |
| 01-6203-04-00-00 | Outside Services | 2,016 | | 2,016 | - | 2,016 | 0.0% | |
| 01-6204-04-00-00 | Postage | 708 | | 708 | 2,348 | (1,640) | 331.7% | |
| 01-6223-04-00-00 | Office Supplies - Admin | 7,500 | | 7,500 | 5,561 | 1,939 | 74.1% | |
| 01-6224-04-00-00 | Office Equipment Admin or IT | - | | - | 6,722 | (6,722) | 0.0% | |
| 01-6234-04-00-00 | Memberships & Trainings | 84,827 | | 84,827 | 71,655 | 13,172 | 84.5% | |
| 01-6239-04-00-00 | Travel & Conference | 36,950 | | 36,950 | 27,680 | 9,270 | 74.9% | |
| 01-6240-04-00-00 | Scholarship Sponsorship | 1,000 | | 1,000 | - | 1,000 | 0.0% | |
| 01-6310-04-00-00 | Miscellaneous | 14,000 | | 14,000 | 27,875 | (13,875) | 199.1% | (4) |
| 01-6311-04-00-00 | Mileage | 1,000 | | 1,000 | 1,164 | (164) | 116.4% | |
| 01-6317-04-00-00 | Contract Services Misc | 1,800 | | 1,800 | 4,855 | (3,055) | 269.7% | |
| 01-6500-04-00-00 | IT Allocations in to PC's & Depts. | 111,365 | | 111,365 | 104,581 | 6,784 | 93.9% | |
| 01-6601-04-00-00 | Shipping/Freight | 1,200 | | 1,200 | 3,595 | (2,395) | 299.6% | |
| 01-6705-04-00-00 | Monthly Car Allowance | 12,000 | | 12,000 | 12,000 | (0) | 100.0% | |
| | Total Other Expenses | 532,378 | 152,500 | 684,878 | 872,655 | (187,777) | 127.4% | |
| | Total Expenses | 2,060,310 | 182,500 | 2,242,810 | 2,423,957 | (181,147) | 108.1% | |

*Budget increase approved at Board Meeting.

- (1) Additional requirements for Admin due to audits & contracting work; please note that the regular salaries are higher because the staff took less PTO time in order to meet work requirements.
- (2) Recruiting fees relating to increased workload & staff additions.
- (3) Subscription to OC Register
- (4) Iron Mountain, pulling historical documents relating to audit

**South Orange County Wastewater Authority
FY 2017-18 Actual General Fund Expenses
(Taken From Administration Expenses)**

| | | Board Approved, 6/14/2017, General Fund %s | FY 2017-18 Budget | FY 2017-18 Actual |
|------------------------------------|-------------------------------------|--|----------------------|----------------------|
| Salary and Fringe | | | | |
| 01-6000-04-00-00 | Fringe Benefits IN to PC's & Depts. | | 111,554 | 113,972 |
| 01-6001-04-00-00 | Regular Salaries-Admin & IT | Footnote #1 | 150,343 | 150,343 |
| 01-6315-04-00-00 | Overtime Salaries-Admin & IT | 50% | 5,000 | 15,619 |
| 01-6315-04-00-00 | Comp Time - Admin | 50% | | 5,235 |
| 01-6401-04-00-00 | Total Payroll Costs | | 266,897 | 279,933 |
| Other Expenses | | | | |
| 01-5018-04-00-00 | Public Notices/ Public Relations | 100% | 1,400 | |
| 01-5027-04-00-00 | Insurance - Property/Liability | | | |
| 01-5037-04-00-00 | Office Equipment | 100% | 8,000 | |
| 01-5304-04-00-00 | Earned Benefit | | - | |
| 01-6101-04-00-00 | Recruitment & Employee Relations | | | |
| 01-6102-04-00-00 | Subscriptions | | | |
| 01-6200-04-00-00 | Management Support Services | | | |
| 01-6201-04-00-00 | Audit | 100% | 35,000 | 61,184 |
| 01-6202-04-00-00 | Legal | 40% | 36,000 | 109,382 |
| 01-6203-04-00-00 | Outside Services | 100% | 2,016 | |
| 01-6204-04-00-00 | Postage | 20% | 142 | 470 |
| 01-6220-04-00-00 | Board of Directors - Fees | | | |
| 01-6223-04-00-00 | Office Supplies - Admin | 100% | 7,500 | 5,561 |
| 01-6234-04-00-00 | Memberships & Trainings | | | |
| 01-6239-04-00-00 | Travel & Conference | | | |
| 01-6240-04-00-00 | Scholarship Sponsorship | | | |
| 01-6310-04-00-00 | Miscellaneous | 20% | 2,800 | 5,575 |
| 01-6311-04-00-00 | Mileage | | | |
| 01-6317-04-00-00 | Contract Services Misc | | | |
| 01-6500-04-00-00 | IT Allocations in to PC's & Depts. | 5% | 5,568 | 5,229 |
| 01-6601-04-00-00 | Shipping/Freight | | | |
| 01-6705-04-00-00 | Monthly Car Allowance | | | |
| | Total Other Expenses | | 98,426 | 187,400 |
| Total General Fund Expenses | | | 365,323 | 467,333 |

| Time Allocation | | |
|------------------------|---------------------|-----|
| (1) | Executive Assistant | 50% |
| | GM | 50% |
| | Controller | 5% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended June 30, 2018

Exhibit E-4

| | | FY 2017-18 Budget | Actual | (Over)/Under | % Expended |
|---|---|----------------------|------------------|-----------------|---------------|
| Salary & Fringe | | | | | |
| 01-6000-05-00-00 | Regular Salaries-Admin or IT | 87,428 | 85,010 | 2,418 | 97.2% |
| 01-6001-05-00-00 | Overtime Salaries-Admin or IT | 2,076 | 7,574 | (5,498) | 364.8% (1) |
| 01-6315-05-00-00 | Comp Time - IT | - | 2,749 | (2,749) | 0.0% (2) |
| 01-6401-05-00-00 | Fringe Benefits IN to ADMIN or IT | 64,871 | 64,444 | 427 | 99.3% |
| | Total Salary & Fringe | 154,375 | 159,778 | (5,403) | 103.5% |
| Other Expenses | | | | | |
| 01-5028-05-00-00 | Small Tools & Supplies | 1,250 | - | 1,250 | 0.0% |
| 01-5035-05-00-00 | Training Expense | 7,800 | 11,100 | (3,300) | 142.3% (3) |
| 01-5037-05-00-00 | Office Equipment | 1,270 | - | 1,270 | 0.0% |
| 01-5061-05-00-00 | Mileage | 1,008 | - | 1,008 | 0.0% |
| 01-6200-05-00-00 | Management Support Services | - | 4,350 | (4,350) | 0.0% (4) |
| 01-6234-05-00-00 | Memberships & Trainings | - | 336 | (336) | 0.0% |
| 01-6239-05-00-00 | Travel & Conference | 9,900 | 2,608 | 7,292 | 26.3% |
| 01-6300-05-00-00 | Software Maintenance Agreements | 170,893 | 128,792 | 42,101 | 75.4% |
| 01-6301-05-00-00 | Hardware Maintenance Agreements | 11,657 | 5,529 | 6,128 | 47.4% |
| 01-6302-05-00-00 | Cloud Subscriptions (Internet) | 45,300 | 45,251 | 49 | 99.9% |
| 01-6303-05-00-00 | Telecommunications | 134,300 | 124,353 | 9,947 | 92.6% |
| 01-6305-05-00-00 | IT Professional Services | 77,000 | 121,847 | (44,847) | 158.2% (5) |
| 01-6306-05-00-00 | Small Hardware Purchases (< \$5k) | 70,000 | 59,166 | 10,834 | 84.5% |
| 01-6307-05-00-00 | Small Software Purchases & Licenses (<\$5k) | 89,455 | 48,838 | 40,617 | 54.6% |
| 01-6308-05-00-00 | IT Memberships | 160 | 1,138 | (978) | 711.4% |
| 01-6309-05-00-00 | Operating Leases | 44,000 | 56,935 | (12,935) | 129.4% (6) |
| 01-6310-05-00-00 | Miscellaneous | 5,000 | 279 | 4,721 | 5.6% |
| 01-6312-05-00-00 | Computer & Photocopy Supplies | 900 | 4,023 | (3,123) | 447.0% (7) |
| 01-6601-05-00-00 | Shipping/Freight | 276 | - | 276 | 0.0% |
| | Total Other Expenses | 670,169 | 614,544 | 55,625 | 91.7% |
| | Total Expenses before Allocation | 824,544 | 774,322 | 50,222 | 93.9% |
| IT Allocations (Out) to PC's & Depts | | | | | |
| 01-6400-05-00-00 | IT Allocations (OUT) to PC's & Depts. | (824,544) | (774,322) | (50,222) | 93.9% |
| | Total IT Allocations (Out) to PC's & Depts | (824,544) | (774,322) | (50,222) | 93.9% |

- (1) Security patch application after business hours to avoid business network interruption.
- (2) Software application updates due to software integration projects.
- (3) Unexpected training expenses due to new security threats of public utilities.
- (4) Temporary IT staffing unexpected in FY.
- (5) Additional training for new employees on finance software.
- (6) Exceedance of printing contract due to copying needs within SOCWA.
- (7) Unanticipated supply costs associated with new employees.

**South Orange County Wastewater Authority
FY 2017-18 Actual Fringe Pool and Fringe Rate
(Slight Change from Budgeted Rate)**

| | FY 2015-16 Actual | FY 2016-17 Actual | FY 2017-18 Budget | FY 2017-18 Actual | FY 2018-19 Budget |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| 457 Plan - Employer Contribution | 13,821 | 83,925 | 85,000 | 75,969 | 85,000 |
| Accrued Administrative Leave | 34,879 | 30,478 | 21,622 | 23,361 | 25,114 |
| Accrued Holiday | 221,783 | 220,371 | 247,435 | 234,247 | 257,161 |
| Accrued Personal Leave | 74,238 | 76,638 | 84,288 | 83,205 | 90,895 |
| Accrued Sick Pay | 242,262 | 262,987 | 278,890 | 236,965 | 299,485 |
| Accrued Vacation | 372,526 | 416,343 | 409,536 | 415,976 | 391,291 |
| Bereavement Pay | 1,345 | 8,088 | 1,398 | 10,892 | 8,000 |
| Jury Duty | | | | 5,817 | |
| Disability Insurance - Private | 51,728 | 56,122 | 59,307 | 57,924 | 58,373 |
| Group Life Insurance > \$50,000 (taxable) | 7,233 | - | | - | - |
| Group Medical Insurance | 941,108 | 1,017,679 | 967,541 | 886,859 | 1,005,463 |
| Medicare Tax - Employer | 94,167 | 94,550 | 95,922 | 96,008 | 101,154 |
| Pension Benefit in Excess of Cap | 2,824 | 2,199 | 2,937 | 4,685 | - |
| Retiree Health PARS Investment | 500,000 | 504,000 | 250,000 | 210,000 | |
| Retiree Health Benefits | 281,389 | 384,936 | 308,402 | 364,395 | 413,056 |
| Retirement - PERS Normal Costs | 517,823 | 500,175 | 609,905 | 504,975 | 581,590 |
| Retirement - PERS Unfunded Liability | 429,804 | 497,705 | 595,685 | 595,164 | 743,842 |
| Unemployment Ins./Reimbursement | 1,378 | 1,234 | 1,433 | | 2,000 |
| Workers Compensation Ins. | 76,883 | 212,990 | 223,717 | 233,538 | 260,000 |
| Other Misc. | | | | | |
| Total O&M Budget Fringe Benefits Pool | 3,865,192 | 4,370,418 | 4,243,018 | 4,039,979.86 | 4,322,424 |
| | | | | | 7.0% |
| Pay for Time Worked Labor Base(Regular Salaries) | | | | | |
| O&M | | 3,184,417 | 3,475,459 | 3,219,259 | 3,627,186 |
| Environmental | | 815,299 | 895,840 | 789,158 | 883,205 |
| Engineering including CIP Labor | | 305,422 | 388,651 | 377,128 | 417,610 |
| Admin | | 695,744 | 871,373 | 858,661 | 985,352 |
| IT | | 44,447 | 87,428 | 85,010 | 93,378 |
| Total Pay for Time Worked Labor Base | 4,976,917 | 5,045,329 | 5,718,751 | 5,329,216 | 6,006,731 |
| Fringe Rate | 78% | 86.6% | 74.2% | 75.81% | 72.0% |

Agenda Item

Meeting Date: October 4, 2018

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: August 2018 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

Recommendation

Receive and file the operational reports.

Monthly Operational Report

SOCWA Operational Report August, 2018

Excursion, Complaint, and Violation Events

| Events | CTP | RTP | JBL | Totals |
|------------|-----|-----|------|--------|
| Odor | 0 | 0 | 0 | 0 |
| Noise | 0 | 0 | 0 | 0 |
| Spills | 0 | 0 | 0 | 0 |
| Violations | 0 | 0 | 0 | 0 |
| Others | 0 | 0 | 1(1) | 1 |

(1) Complaint that there is a homeless person sleeping in the bushes in front of the plant.

Plant Wastewater Billing Characteristics

| Key Parameters | CTP | RTP | JBL TP1 | JBL TP2 | Totals |
|--------------------------|------|-------|---------|---------|--------|
| Influent (mgd) (1) | 2.59 | 7.64 | 5.02 | 1.07 | 16.32 |
| Effluent (mgd) | 1.59 | 0.68 | 5.02 | 1.17 | 8.46 |
| Peak Flow (mgd) | 7.26 | 17.95 | 11.92 | 4.75 | 41.88 |
| Influent BOD (mg/l) | 327 | 238 | 247 | 251 | |
| Influent TSS (mg/l) | 317 | 328 | 431 | 378 | |
| Effluent BOD (mg/l) | 4.1 | 6.0 | 6.8 | 8.5 | |
| Effluent TSS (mg/l) | 5.5 | 9.6 | 6.0 | 6.2 | |
| Effluent Turbidity (NTU) | 2.4 | 3.1 | 3.3 | 3.4 | |

(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) | 1.60 | 6.96 | | 8.56 |
| Days of Operation (days) | 31 | 31 | | |
| Total Flow (million gallons) | 49.5 | 215.7 | | 265.3 |
| Plant Irrigation (million gallons) | 0.00 | 0.00 | 0.33 | |
| 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 August, 2018 (cont'd)

Biosolids Management

| Biosolids Management Site | CTP | RTP | JBL | Totals |
|---------------------------|-----|---------|-------|---------|
| Synagro Compost (tons) | | 787.2 | 0.0 | 787.2 |
| Nursery Products (tons) | | 253.1 | 359.9 | 613.0 |
| Prima Deshecha (tons) | | 241.2 | 189.5 | 430.7 |
| Other: (tons) | | 0.0 | 0.0 | 0.0 |
| Total Processed (tons) | | 1,281.6 | 549.4 | 1,830.9 |

Summary of Maintenance Activities

| Task Type | CTP | RTP | JBL | Totals |
|--------------------------|-----|-----|-----|--------|
| Preventative Maintenance | 412 | 886 | 629 | 1,927 |
| Corrective Maintenance | 64 | 118 | 51 | 233 |

Site Visitors

| Visitor Types | CTP | RTP | JBL | Totals |
|------------------|-----|-----|-----|--------|
| Regulatory | 1 | 1 | 3 | 5 |
| Member Agency | 0 | 1 | 1 | 2 |
| Residents | 0 | 0 | 0 | 0 |
| Others | 24 | 0 | 32 | 56 |
| Tours #/Visitors | 1 | 24 | 0 | 25 |

Grit Disposal Management

| Grit & Screenings | CTP | RTP | JBL | Totals |
|-----------------------------|-----|------|-----|--------|
| Simi Valley Landfill (tons) | NA | 18.5 | NA | 18.5 |

Chemical and Energy Utilization

| Chemical/Utility | CTP | RTP | JBL | Totals |
|-------------------------------|---------|-------------|-----------|-----------|
| Ferric Chloride (tons) | 8.2 | NA | NA | 8.2 |
| Utility Power Purchase (kWh) | 192,740 | 361,291 | 361,291 | 915,322 |
| Cogen Power (kWh) | | 269,306 | 454,953 | 724,259 |
| Natural Gas (Dth) | 19 | 9,772 | NA | 9,791 |
| Digester Gas to Engine (scfm) | | 3,064,230 | 3,775,289 | 6,839,519 |
| Digester Gas to Boiler (scfm) | | 0 | | 0 |
| Digester Gas to Flares (scfm) | | 2,648,355 | 125,843 | 2,774,198 |
| Digester Gas Power Savings | | \$39,769.93 | | |

(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 August, 2018 (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 | 1.592 | 58.34% | | | | 1.59 |
| EBSB | 0.049 | 1.80% | | | | 0.05 |
| SCWD | 1.088 | 39.86% | | 1.796 | 29.49% | 2.88 |
| MNWD | 0.000 | 0.00% | 7.64 | 1.400 | 22.99% | 9.04 |
| CSJC | | | | 2.105 | 34.55% | 2.10 |
| SMWD | | | | 0.790 | 12.97% | 0.79 |
| Total | 2.729 | 100.00% | 7.64 | 6.090 | 100.00% | 16.46 |

Total Agency Outfall Flows by Outfall System-Billing Flows

| Agency | SJCOO (mgd) | SJCOO (%) | SJCOO Meter (mgd) | ACOO (mgd) | ACOO (%) | Total (mgd) | Notes |
|--------------|-------------|----------------|-------------------|-------------|----------------|--------------|---------------------|
| CLB | | | | 1.59 | 36.24% | 1.59 | |
| EBSB | | | | 0.05 | 1.12% | 0.05 | |
| SCWD | 1.87 | 21.30% | | -0.14 | -3.12% | 1.73 | Includes Desalters |
| MNWD | 1.65 | 18.74% | | 0.68 | 15.56% | 2.33 | |
| ETWD | | | | 1.29 | 29.31% | 1.29 | Direct Outfall Only |
| CSJC | 2.54 | 28.92% | | | | 2.54 | Includes Desalter |
| SMWD | 0.84 | 9.55% | | | | 0.84 | Includes Chiquita |
| CSC | 1.89 | 21.49% | | | | 1.89 | Direct Outfall Only |
| IRWD | | | | 0.92 | 20.89% | 0.92 | Direct Outfall Only |
| Total | 8.79 | 100.00% | 9.46 | 4.39 | 100.00% | 13.18 | |

SOCWA Operational Report August, 2018 (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% | 2.12 | 31.98% | 2.105 | 34.55% | 2.12 | 35.46% |
| MNWD | 3.00 | 23.08% | 1.40 | 21.12% | 1.400 | 22.99% | 1.40 | 23.40% |
| SCWD | 3.75 | 28.85% | 1.70 | 25.64% | 1.796 | 29.49% | 1.88 | 31.51% |
| SMWD | 2.25 | 17.31% | 1.41 | 21.27% | 0.790 | 12.97% | 0.58 | 9.63% |
| Total | 13.00 | 100.00% | 6.63 | 100.00% | 6.090 | 100.00% | 5.98 | 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% | 5,767 | 24.54% | 5,698 | 31.77% | 5,326 | 24.34% |
| MNWD | 8,340 | 21.62% | 4,396 | 18.70% | 4,439 | 24.75% | 5,662 | 25.87% |
| SCWD | 7,715 | 20.00% | 5,391 | 22.94% | 5,293 | 29.51% | 5,262 | 24.05% |
| SMWD | 10,946 | 28.38% | 7,949 | 33.82% | 2,505 | 13.97% | 5,632 | 25.74% |
| Total | 38,573 | 100.00% | 23,503 | 100.00% | 17,936 | 100.00% | 21,882 | 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% | 2.531 | 21.57% | 1.89 | 21.49% | | |
| CSJC | 11.08% | 2.348 | 20.01% | 2.54 | 28.92% | 2.10 | 34.55% |
| MNWD(3) | 15.51% | 2.013 | 17.16% | 1.65 | 18.74% | 1.40 | 22.99% |
| SCWD | 12.47% | 1.740 | 14.83% | 1.87 | 21.30% | 1.80 | 29.49% |
| SMWD | 44.32% | 3.101 | 26.43% | 0.84 | 9.55% | 0.79 | 12.97% |
| Total | 100.00% | 11.733 | 3.10% | 8.79 | 100.00% | 6.09 | 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 is 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 area velocity 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. The actual allocation of the flows split between MNWD and SMWD is completed annually during the Use Audit.

Sources: 1) Cost Allocation Methodology for Project Committees, Dudek Engineering 2012.

- Instructions to SOCWA Staff regarding the constant flow of 1.4 MGD from MNWD and SMWD dated March 2018.

SOCWA Operational Report August, 2018 (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 | 2.006 | 22.71% | | |
| CSJC | 2.564 | 29.02% | 2.12 | 35.46% |
| MNWD | 1.639 | 18.55% | 1.40 | 23.40% |
| SCWD | 2.002 | 22.66% | 1.88 | 31.51% |
| SMWD | 0.625 | 7.07% | 0.58 | 9.63% |
| Total | 8.835 | 100.00% | 5.98 | 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% | 1.770 | 59.00% | 1.592 | 58.34% | 1.652 | 58.86% |
| EBSD | 0.20 | 2.99% | 0.050 | 1.67% | 0.049 | 1.80% | 0.049 | 1.73% |
| SCWD | 2.00 | 29.85% | 1.180 | 39.33% | 1.088 | 39.86% | 1.106 | 39.41% |
| MNWD | 1.96 | 29.25% | 0.000 | 0.00% | 0.000 | 0.00% | 0.000 | 0.00% |
| Total | 6.70 | 100.00% | 3.000 | 100.00% | 2.729 | 100.00% | 2.807 | 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 | 0.01220 | 0.157% | 0.0000 | 0.0146 | 0.0146 | 0.19% | 0.0147 | 0.19% |
| EBSD | 0.00040 | 0.005% | 0.0000 | 0.0005 | 0.0005 | 0.01% | 0.0004 | 0.01% |
| SCWD | 0.00810 | 0.104% | 0.0000 | 0.0100 | 0.0100 | 0.13% | 0.0098 | 0.13% |
| ETWD | 0.01410 | 0.181% | 0.0000 | 0.0118 | 0.0118 | 0.15% | 0.0122 | 0.16% |
| MNWD | 7.75000 | 99.553% | 7.6426 | 0.0546 | 7.6972 | 99.52% | 7.7054 | 99.52% |
| Total | 7.78480 | 100.000% | 7.6426 | 0.0915 | 7.7341 | 100.00% | 7.7426 | 100.00% |

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

SOCWA Operational Report August, 2018 (cont'd)

FY Flow/Solids Summary (cont'd)

Project Committee No. 17 Solids (RTP)

| Agency | Own (lbs/d) | Own (%) | Budget (lbs/d) | Budget (%) | Total Month (lbs) | Total Month (%) | FY Avg Total to Date (lbs) | FY Avg Total to Date (%) |
|--------|-------------|---------|----------------|------------|-------------------|-----------------|----------------------------|--------------------------|
| CLB | 5,605 | 11.22% | 5,133 | 12.48% | 189,831 | 15.99% | 201,825 | 16.50% |
| EBSD | 295 | 0.59% | 158 | 0.38% | 5,843 | 0.49% | 5,919 | 0.48% |
| SCWD | 4,480 | 8.96% | 3,546 | 8.62% | 129,712 | 10.93% | 135,093 | 11.05% |
| ETWD | 10,200 | 20.41% | 5,755 | 13.99% | 153,668 | 12.94% | 167,598 | 13.70% |
| MNWD | 29,395 | 58.82% | 26,532 | 64.52% | 708,156 | 59.65% | 712,584 | 58.26% |
| Total | 49,975 | 100.00% | 41,124 | 100.00% | 1,187,210 | 100.00% | 1,223,020 | 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% | 1.592 | 36.24% | 1.652 | 38.17% |
| EBSD | 0.780% | 0.05 | 0.47% | 0.049 | 1.12% | 0.049 | 1.12% |
| ETWD | 16.302% | 2.46 | 23.08% | 1.287 | 29.31% | 1.336 | 30.87% |
| IRWD | 15.760% | 2.48 | 23.26% | 0.918 | 20.89% | 0.781 | 18.06% |
| MNWD | 43.848% | 3.08 | 28.89% | 0.683 | 15.56% | 0.641 | 14.81% |
| SCWD | 12.310% | 0.70 | 6.57% | -0.137 | -3.12% | -0.131 | -3.02% |
| Total | 100.000% | 10.66 | 100.00% | 4.392 | 0.00% | 4.327 | 100.00% |

SOCWA Operational Report August, 2018 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Installed a new eye wash station
Corrected missing confined space signage at 4 different locations
Repaired corroded ¾" airline for fluffing outfall tank
Completed installation of new east RAS pump
Install new safety grating for scum pit
Replaced degrading safety cabinet for AWT area
Repaired leaking east 1&2 primary collector gear boxes
Repaired potable water air compressor system
Removed agitation aeration blower #1 for repair
Repaired leaking/broken pipings @ east aeration basin #1
Repaired cracked/leaking piping for the caustic system in the scrubber area
Repaired broken process water line near the west secondary tanks
Repaired bleeding/sample line for RAS pump #4
Realigned fan motor for exhaust fan #1 in aeration building

CTP - PC15

Corrected missing confined space signage at different locations
Troubleshoot and replaced scrubber pump motor.
Troubleshoot and removed aeration blower #1 for overhaul and repairs
Repaired blech line leak for cell #2 for the AWT
Troubleshoot AWT mixer #2
Replaced damaged and missing toe boards in the clarifier area
Repaired leaking air line for the process water pumping system
Replaced missing shear pin on Primary Scum Skimmer #3 / West #1
Troubleshoot Secondary Scum Skimmer #4 / East #1
Repaired air leak on the compressed air line for the instrument air system
Replaced AWT floor compressor #2
Troubleshoot pressure gauges on scrubber stage #1 recirculation pump
Troubleshoot RAS pump #2 vibration
Repaired RAS pump East-West leaking valve
Replaced plastic tubing for the East RAS bleach pump
Repaired leaking West RAS bleach pump line
Repaired oil leak at the base on the AWT filter supply pump #2
Troubleshoot the air compressor for the potable water air gap

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

SOCWA Operational Report August, 2018 (cont'd)

Select Critical Equipment Repairs (cont'd)

RTP - PC17

Replaced failed Ultra-Flex Panels in Aeration Tank #2

Jetted out blocked waste gas burner and replaced failed flame arrestors

Fabricated new deck plating for the engine room and replaced old plates posing safety hazards

Rebuilt worn Secondary scum pump

Tighten tension on Primary Tank 5 drive chain and reinstalled lube lines to bull gear shaft

Tighten tension on Primary Tank 6 drive chain and reinstalled lube lines to bull gear shaft

Removed broken Hydrogritter auger and send out for repair

Replaced failed gasket on AWT 2 bleach tank #2 feed line

Rehabilitated 2-water system pumps, valves and check valves

Rebuilt the DynaBlend #2

Replaced failed SET Pump #2 Motor

All PC's - Electrical and SCADA Staff

Troubleshoot the JBL Vulcan Wash Press failure alarm

Troubleshoot filtered water turbidimeter meter at CTP

Troubleshoot CTP outfall flow meter

Rewired the CTP Aeration Blower #1

Troubleshoot failed Bleach Pump #2

Troubleshoot AWT Area Cell #3 backwash sensor

Replaced RTP Centrifuge 1 failed flow meter

Troubleshoot screenings conveyor # 2 at RTP

Troubleshoot Odor Scrubber 1 SC200

Troubleshoot the final chlorine analyzer at RTP

Troubleshoot the Sump Pump #2 at RTP

Troubleshoot the polymer mixer on tank #1

Investigate chattering in ORT Recirc. Pump #1

Troubleshoot the Aeration Blower #1 that failed to start

Removed and replaced failed H2S meter at new gas skid

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

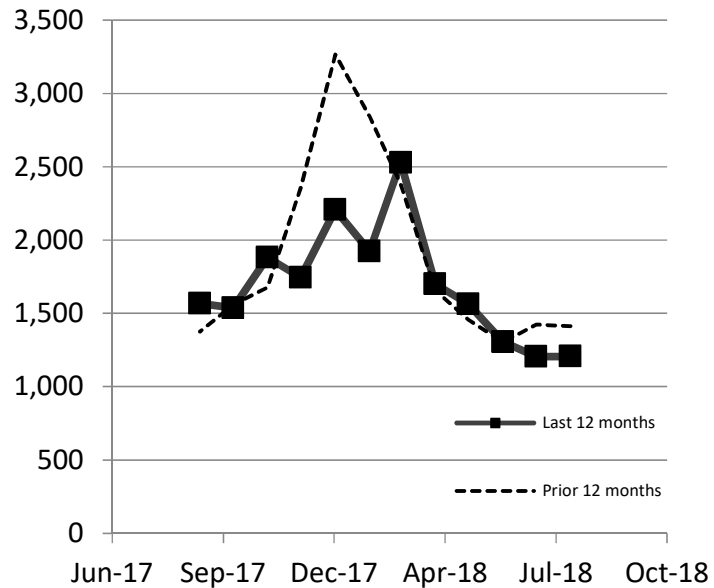
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report August, 2018

| Agency | SJCOO (mgd) | SJCOO (%) | ACOO (mgd) | ACOO (%) | Total (mgd) |
|----------------------------------|-------------|----------------|-------------|----------------|--------------|
| CLB | | | 1.59 | 36.24% | 1.59 |
| EBSD | | | 0.05 | 1.12% | 0.05 |
| SCWD | 1.87 | 21.30% | -0.14 | -3.12% | 1.73 |
| MNWD | 1.65 | 18.74% | 0.68 | 15.56% | 2.33 |
| ETWD | | | 1.29 | 29.31% | 1.29 |
| CSJC | 2.54 | 28.92% | | | 2.54 |
| SMWD | 0.84 | 9.55% | | | 0.84 |
| CSC | 1.89 | 21.49% | | | 1.89 |
| IRWD | | | 0.92 | 20.89% | 0.92 |
| Total | 8.79 | 100.00% | 4.39 | 100.00% | 13.18 |
| or Acre-Feet per year equivalent | | | | | 14,759 |

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

| | |
|--------------|---------------|
| Aug-18 | 1,207 |
| Jul-18 | 1,205 |
| Jun-18 | 1,307 |
| May-18 | 1,564 |
| Apr-18 | 1,702 |
| Mar-18 | 2,529 |
| Feb-18 | 1,923 |
| Jan-18 | 2,208 |
| Dec-17 | 1,744 |
| Nov-17 | 1,883 |
| Oct-17 | 1,537 |
| Sep-17 | 1,568 |
| Total | 20,378 |



Beach / Ocean Monitoring Report

August 2018

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

August 2018

| DATE | IRWD | | EL TORO WRP | | REGIONAL PLANT | | SOCWA | | SOCWA | | IRWD | | SCWD | | ACOO | | Rain | |
|----------|----------------|-------|-------------|------|----------------|-------|-------|------|-------|-------|------|------|------|-------|-------|--------|------|------|
| | LOS ALISOS WRP | FLOW | TSS | cBOD | SS | MGD | TSS | cBOD | SS | MGD | TSS | cBOD | SS | MGD | ACWRF | FLOW | MGD | Fall |
| 08/01/18 | No Flow | 1.154 | 6.2 | 2.6 | 0.1 | 0.170 | 7.1 | 2.0 | 0.1 | 1.410 | 6.1 | 3.0 | <0.1 | 0.622 | 0.098 | 3.645 | 0.00 | 0.00 |
| 08/02/18 | No Flow | 1.216 | 6.8 | 2.5 | 0.1 | 0.06 | 6.9 | 4.0 | 0.1 | 1.418 | 5.5 | 4.0 | 0.1 | 0.621 | 0.056 | 3.664 | 0.00 | 0.00 |
| 08/03/18 | No Flow | 1.085 | 5.8 | 2.2 | 0.5 | 0.270 | 8.9 | 3.0 | 0.3 | 1.653 | 11.1 | 3.0 | 0.1 | 0.621 | 0.117 | 3.746 | 0.00 | 0.00 |
| 08/04/18 | No Flow | 1.492 | 7.4 | 3.9 | 0.1 | 0.180 | | | | 1.604 | | | | 0.620 | 0.103 | 4.017 | 0.00 | 0.00 |
| 08/05/18 | No Flow | 1.582 | 8.2 | 3.0 | 0.1 | 0.830 | 8.2 | 5.0 | 0.8 | 1.789 | 23.2 | 11.0 | | 0.620 | 0.090 | 4.911 | 0.00 | 0.00 |
| 08/06/18 | No Flow | 0.669 | 10.8 | 3.9 | <0.1 | 1.110 | 30.3 | 4.0 | 0.1 | 1.983 | 5.3 | 4.0 | <0.1 | 0.620 | 0.101 | 4.483 | 0.00 | 0.00 |
| 08/07/18 | No Flow | 1.368 | 6.2 | 2.8 | <0.1 | 0.210 | 5.1 | 4.0 | 0.3 | 1.520 | 3.9 | 3.0 | <0.1 | 0.619 | 0.096 | 3.813 | 0.00 | 0.00 |
| 08/08/18 | No Flow | 1.212 | 6.0 | 2.5 | 0.1 | 0.360 | 18.1 | 8.0 | 1.1 | 1.535 | 2.3 | 3.0 | <0.1 | 0.232 | 0.124 | 3.463 | 0.01 | 0.00 |
| 08/09/18 | No Flow | 1.428 | 7.4 | 2.7 | 0.1 | 0.370 | 28.7 | 4.0 | 0.4 | 1.229 | 7.4 | 4.0 | 0.1 | 0.406 | 0.103 | 3.902 | 0.00 | 0.00 |
| 08/10/18 | No Flow | 1.148 | 9.7 | 3.1 | 0.1 | 0.380 | 11.7 | 4.0 | 0.5 | 1.489 | 3.9 | 3.0 | 0.1 | 0.406 | 0.101 | 4.090 | 0.00 | 0.00 |
| 08/11/18 | No Flow | 1.267 | 11.8 | 3.5 | 0.1 | 0.520 | | | | 1.505 | | | | 0.409 | 0.108 | 4.402 | 0.00 | 0.00 |
| 08/12/18 | No Flow | 1.537 | 7.8 | 3.1 | 0.1 | 0.700 | 11.8 | 4.0 | 0.5 | 1.533 | 3.2 | 4.0 | | 0.408 | 0.099 | 4.876 | 0.00 | 0.00 |
| 08/13/18 | No Flow | 1.072 | 10.4 | 3.4 | <0.1 | 0.930 | 14.7 | 8.0 | 0.1 | 1.714 | 9.4 | 7.0 | <0.1 | 0.409 | 0.099 | 4.822 | 0.00 | 0.00 |
| 08/14/18 | No Flow | 1.504 | 4.0 | 1.6 | 0.1 | 0.550 | 3.8 | 6.0 | 0.2 | 1.230 | 4.1 | 3.0 | 0.1 | 0.407 | 0.081 | 4.394 | 0.00 | 0.00 |
| 08/15/18 | No Flow | 0.760 | 6.7 | 1.9 | 0.1 | 0.530 | 6.6 | 7.0 | <0.1 | 1.542 | 2.6 | 5.0 | 0.1 | 0.408 | 0.127 | 3.987 | 0.00 | 0.00 |
| 08/16/18 | No Flow | 0.898 | 9.4 | 3.3 | 0.1 | 0.370 | 9.4 | 8.0 | 0.1 | 1.247 | 6.0 | 3.0 | <0.1 | 0.406 | 0.073 | 3.610 | 0.00 | 0.00 |
| 08/17/18 | No Flow | 0.955 | 5.4 | 1.9 | 0.1 | 0.230 | 5.5 | 8.0 | 0.1 | 1.431 | 3.7 | 4.0 | 0.1 | 0.416 | 0.104 | 3.749 | 0.00 | 0.00 |
| 08/18/18 | No Flow | 1.455 | 5.0 | 2.1 | 0.1 | 1.880 | | | | 1.498 | | | | 0.411 | 0.107 | 5.996 | 0.00 | 0.00 |
| 08/19/18 | No Flow | 1.713 | 5.8 | 2.8 | 0.2 | 0.360 | 4.6 | 7.0 | 0.1 | 1.824 | 2.2 | 3.0 | | 0.408 | 0.105 | 5.067 | 0.00 | 0.00 |
| 08/20/18 | No Flow | 1.358 | 10.4 | 4.4 | 0.1 | 4.030 | 5.3 | 12.0 | 0.2 | 1.697 | 2.1 | 3.0 | 0.3 | 0.407 | 0.047 | 8.195 | 0.00 | 0.00 |
| 08/21/18 | No Flow | 2.076 | 6.4 | 2.4 | 0.1 | 1.130 | 9.3 | | 0.1 | 1.325 | 4.5 | | <0.1 | 0.407 | 0.058 | 5.649 | 0.00 | 0.00 |
| 08/22/18 | No Flow | 1.357 | 6.6 | 2.7 | 0.1 | 0.160 | 5.4 | 6.0 | 0.3 | 1.573 | 2.0 | 2.0 | <0.1 | 0.361 | 0.078 | 4.181 | 0.00 | 0.00 |
| 08/23/18 | No Flow | 1.171 | 10.4 | 4.9 | 0.1 | 0.180 | 9.4 | 7.0 | 0.2 | 1.394 | 4.8 | 5.0 | 0.1 | 0.406 | 0.108 | 3.826 | 0.00 | 0.00 |
| 08/24/18 | No Flow | 0.832 | 13.0 | 5.3 | 0.1 | 0.450 | 7.0 | 6.0 | 0.1 | 1.569 | 4.0 | 3.0 | 0.1 | 0.391 | 0.033 | 3.868 | 0.00 | 0.00 |
| 08/25/18 | No Flow | 1.556 | 16.3 | 6.1 | 0.2 | 0.630 | | | | 1.241 | | | | 0.408 | 0.100 | 4.571 | 0.00 | 0.00 |
| 08/26/18 | No Flow | 1.557 | 14.7 | 5.0 | 0.1 | 1.260 | 4.5 | 12.0 | 0.1 | 1.688 | 12.4 | 7.0 | | 0.407 | 0.093 | 5.644 | 0.00 | 0.00 |
| 08/27/18 | No Flow | 0.995 | 21.3 | 5.2 | 0.1 | 1.960 | 5.3 | 4.0 | 0.2 | 1.673 | 3.1 | 4.0 | 0.1 | 0.406 | 0.065 | 5.735 | 0.00 | 0.00 |
| 08/28/18 | No Flow | 1.435 | 17.7 | 5.6 | 0.2 | 0.220 | 5.0 | 3.0 | 0.1 | 1.394 | 3.8 | 3.0 | <0.1 | 0.407 | 0.050 | 4.140 | 0.00 | 0.00 |
| 08/29/18 | No Flow | 0.906 | 17.0 | 4.4 | <0.1 | 0.750 | 4.3 | 5.0 | 0.2 | 1.308 | 4.7 | 5.0 | 0.1 | 0.407 | 0.085 | 4.088 | 0.00 | 0.00 |
| 08/30/18 | No Flow | 1.577 | 7.3 | 2.3 | <0.1 | 0.320 | 9.1 | 12.0 | 0.3 | 1.449 | 4.1 | 5.0 | 0.1 | 0.407 | 0.117 | 4.500 | 0.00 | 0.00 |
| 08/31/18 | No Flow | 1.572 | 11.0 | 3.7 | <0.1 | 0.080 | 12.7 | 2.0 | 0.3 | 1.153 | 3.6 | 3.0 | 0.1 | 0.406 | 0.086 | 3.927 | 0.00 | 0.00 |
| AVG | No Flow | 1.287 | 9.4 | 3.4 | <0.1 | 0.683 | 9.6 | 6.0 | <0.3 | 1.504 | 5.5 | 4.1 | <0.1 | 0.317 | 0.091 | 4.483 | 0.00 | 0.01 |
| TOTAL | No Flow | 39.91 | | | | 21.18 | | | | 46.62 | | | | 9.82 | 2.812 | 138.96 | | |

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2018
 REPORT DUE: October 1 2018
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: Low Tide 0702

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | Enterococcus | Material of Sewage Origin | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------|---------|----------------|--------------|---------------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | SM9222B | SM9222D | | | Onshore | Offshore | | | | | | | |
| S3 | 08/02/18 | 1025 | 9 | <20 | <20 | 3 | None | None | None | None | Green | 73 | Slightly Turbid | | |
| S4 | 08/02/18 | 1000 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 08/02/18 | 0935 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S6 | 08/02/18 | 925 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 08/02/18 | 0920 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S7 | 08/02/18 | 0915 | 30 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 08/02/18 | 0910 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 08/02/18 | 0855 | <10 | <10 | <10 | <4 | None | None | None | None | Green | | Turbid | | |
| ACM1 | 08/02/18 | 0850 | 9 | <20 | <20 | <3 | None | None | None | None | Green | | Turbid | | |
| S10 | 08/02/18 | 0840 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S11 | 08/02/18 | 0835 | 30 | 30 | 30 | <3 | None | None | None | None | Green | | Clear | | |
| S12 | 08/02/18 | 0830 | <20 | 30 | 30 | 10 | None | None | None | None | Green | 73 | Clear | | |

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2018
 REPORT DUE: October 1, 2018
 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 0803

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | Enterococcus | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------|---------|----------------|--------------|---------------------------|---------|----------|--------------|-------|-------------|-----------------|-----------------|--------------|-------|
| | | | SM9222B | SM9222D | | | EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 08/08/18 | 1000 | <20 | <20 | <20 | <3 | None | None | None | None | Green | 72 | Slightly Turbid | | | |
| S4 | 08/08/18 | 0945 | 30 | <20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | | |
| S5 | 08/08/18 | 0930 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | | |
| S6 | 08/08/18 | 0910 | <20 | <20 | <20 | 2 | None | None | None | None | Green | | Slightly Turbid | | | |
| WEST | 08/08/18 | 0905 | 9 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | | |
| S7 | 08/08/18 | 0900 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | | |
| S8 | 08/08/18 | 0850 | 9 | <20 | <20 | 8 | None | None | None | None | Green | | Turbid | | | |
| S9 | 08/08/18 | 0835 | 5 | <10 | <10 | <4 | None | None | None | None | Green | | Turbid | | | |
| ACM1 | 08/08/18 | 0830 | <20 | <20 | <20 | <3 | None | None | None | None | Green | | Turbid | | | |
| S10 | 08/08/18 | 0820 | <20 | 9 | 9 | 3 | None | None | None | None | Green | | Slightly Turbid | | | |
| S11 | 08/08/18 | 0815 | 9 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | | |
| S12 | 08/08/18 | 0810 | 9 | 30 | 30 | 2 | None | None | None | None | Green | 71 | Slightly Turbid | | | |

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2018
 REPORT DUE: October 1, 2018
 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 635

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Enterococcus | Material of Sewage Origin | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------|---------|--------------|---------------------------|-----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | SM9222B | SM9222D | | CFU/100ml | CFU/100ml | | | | | | | |
| S3 | 08/15/18 | 750 | 30 | <20 | <3 | None | None | None | None | Green | 75 | Clear | | |
| S4 | 08/15/18 | 1005 | 30 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S5 | 08/15/18 | 950 | 40 | 20 | 2 | None | None | None | None | Green | | Clear | | |
| S6 | 08/15/18 | 930 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| WEST | 08/15/18 | 925 | 40 | <20 | 10 | None | None | None | None | Green | | Clear | | |
| S7 | 08/15/18 | 915 | 9 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S8 | 08/15/18 | 910 | <20 | <20 | <3 | None | None | None | None | Blue | | Clear | | |
| S9 | 08/15/18 | 855 | 5 | <10 | <4 | None | None | None | None | Green | | Clear | | |
| ACM1 | 08/15/18 | 845 | 9 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S10 | 08/15/18 | 830 | <20 | 9 | <3 | None | None | None | None | Green | | Clear | | |
| S11 | 08/15/18 | 825 | 30 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S12 | 08/15/18 | 820 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2018
 REPORT DUE: October 1, 2018
 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 828

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Enterococcus | Material of Sewage Origin | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------|---------------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | | Onshore | Offshore | | | | | | | |
| S3 | 08/22/18 | 830 | 9 | <20 | <3 | None | None | None | None | Green | 73 | Clear | | |
| S4 | 08/22/18 | 1050 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S5 | 08/22/18 | 1035 | 9 | <20 | 2 | None | None | None | None | Green | | Clear | | |
| S6 | 08/22/18 | 1020 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| WEST | 08/22/18 | 1015 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S7 | 08/22/18 | 1010 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S8 | 08/22/18 | 1000 | 9 | <20 | <3 | None | None | None | None | Blue | | Clear | | |
| S9 | 08/22/18 | 945 | <20 | <20 | 2 | None | None | None | None | Green | | Clear | | |
| ACM1 | 08/22/18 | 940 | 20 | <20 | 7 | None | None | None | None | Green | | Clear | | |
| S10 | 08/22/18 | 915 | 9 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S11 | 08/22/18 | 910 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S12 | 08/22/18 | 905 | <10 | 5 | 1 | None | None | None | None | Green | | Clear | | |

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

Unified Beach Monitoring

#5

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 1126

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | Enterococcus | Material of Sewage Origin | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|----------------|--------------|---------------------------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | | | | | | | | | | |
| S3 | 08/29/18 | 750 | 20 | <20 | <20 | <3 | None | None | None | Green | 74 | Clear | | |
| S4 | 08/29/18 | 1025 | 9 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| S5 | 08/29/18 | 1005 | 20 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| S6 | 08/29/18 | 945 | <20 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| WEST | 08/29/18 | 940 | <20 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| S7 | 08/29/18 | 935 | <20 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| S8 | 08/29/18 | 930 | <20 | 9 | 9 | <3 | None | None | None | Blue | | Clear | | |
| S9 | 08/29/18 | 915 | 20 | <20 | <20 | 2 | None | None | None | Green | | Clear | | |
| ACM1 | 08/29/18 | 905 | <20 | 9 | 9 | <3 | None | None | None | Green | | Clear | | |
| S10 | 08/29/18 | 845 | <20 | <20 | <20 | <3 | None | None | None | Green | | Clear | | |
| S11 | 08/29/18 | 835 | 20 | <20 | <20 | 2 | None | None | None | Green | | Clear | | |
| S12 | 08/29/18 | 830 | 20 | <10 | <10 | <4 | 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.

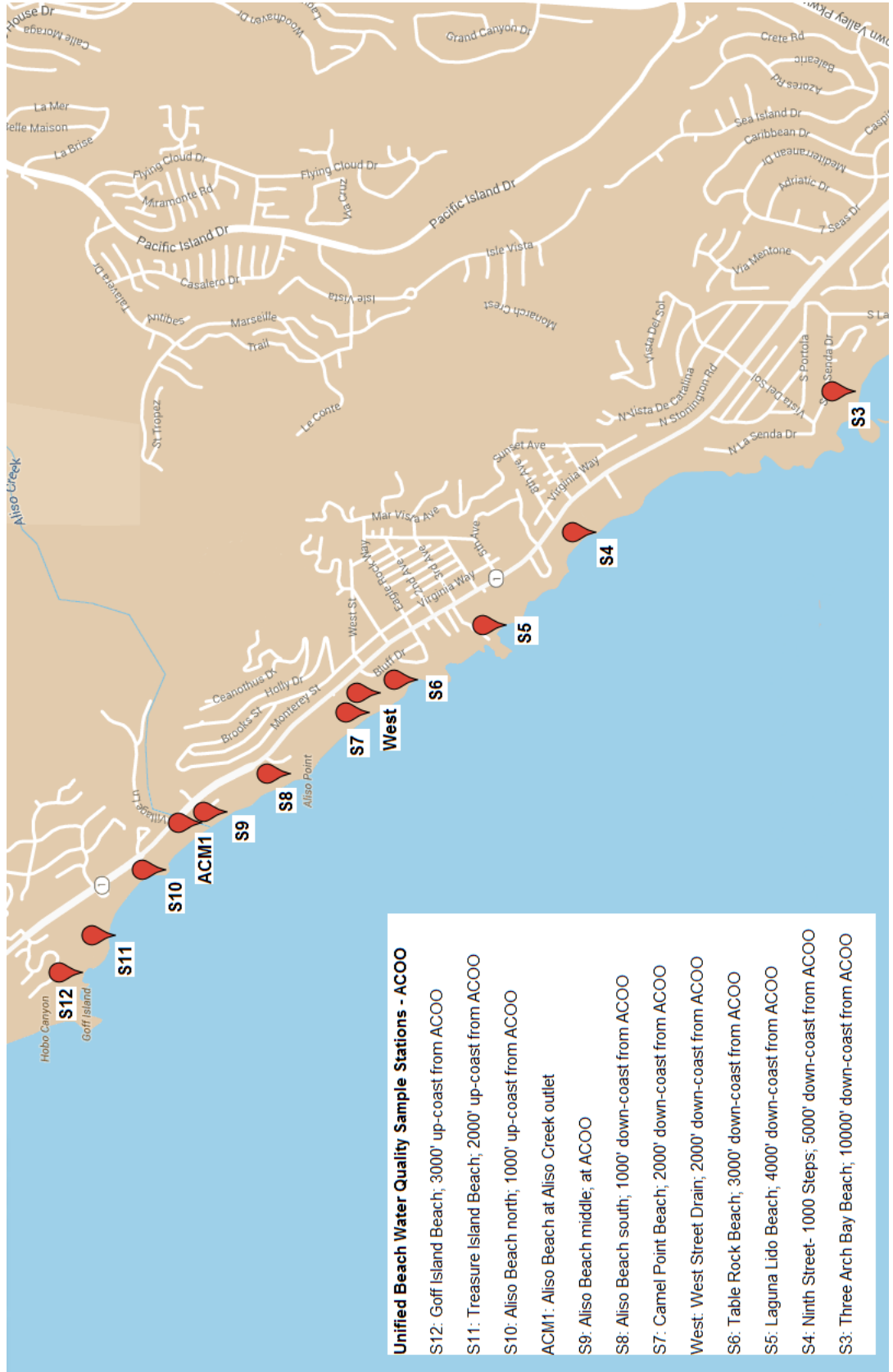
Aliso Creek Ocean Outfall

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: August 2018

REPORT DUE: October 1, 2018

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 830

| 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 | 08/04/18 | <2 | <2 | <2 | 806 | 0 | 0 | |
| A-1 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| A-2 | Surface | 08/04/18 | <2 | <2 | <2 | 750 | 0 | 0 | |
| A-2 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| A-3 | Surface | 08/04/18 | <2 | <2 | <2 | 756 | 0 | 0 | |
| A-3 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| A-4 | Surface | 08/04/18 | <2 | <2 | <2 | 811 | 0 | 0 | |
| A-4 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| A-5 | Surface | 08/04/18 | <2 | <2 | <2 | 800 | 0 | 0 | |
| A-5 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| B-1 | Surface | 08/04/18 | <2 | <2 | <2 | 740 | 0 | 0 | |
| B-1 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| B-2 | Surface | 08/04/18 | <2 | <2 | <2 | 820 | 0 | 0 | |
| B-2 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| N1 | Surface | 08/04/18 | <2 | <2 | <2 | 835 | 0 | 0 | |
| N2 | Surface | 08/04/18 | <2 | <2 | <2 | 833 | 0 | 0 | |
| N3 | Surface | 08/04/18 | <2 | <2 | <2 | 833 | 0 | 0 | |
| N4 | Surface | 08/04/18 | <2 | 2 | <2 | 831 | 0 | 0 | |
| N5 | Surface | 08/04/18 | 2 | <2 | <2 | 830 | 0 | 0 | |
| N6 | Surface | 08/04/18 | <2 | <2 | <2 | 828 | 0 | 0 | |
| N7 | Surface | 08/04/18 | <2 | <2 | <2 | 827 | 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 2018**

| ACOO Permit Order No. R9-2012-0013 | | | | | | | | | |
|------------------------------------|----------------|------------------|--------------------------|-------|--------------|----------------|----------------|--|--|
| Agency - Facility | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Potential Fine | | |
| ACOO - SOCWA Outfall | 4/9/2018 | Chronic Toxicity | Monthly | TUc | 238 | 1000 TUc | \$3000 | | |



SOCWA and MEMBER AGENCY FACILITIES

ACOO Spill / Overflow Report Log - 2018

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 |
|---|--------------------|----------------------------|-------------------|-------------------|------------------|------------------------|---------------|
| <p>No spills during this monitoring period.</p> | | | | | | | |

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

August 2018

| DATE | J.B. LATHAM FACILITY | | | SAN CLEMENTE WRP | | | SMWD CHIQUITA WRP | | | 3-A PLANT | | | CSJC | | SCWD | | SJCOO | | Rain Fall inches | |
|----------|----------------------|-------------|--------------|------------------|-------------|-------------|-------------------|-----------|-------------|-------------|--------------|-----------|-------------|-------------------------|-------------------------|-------------|-------------|-------------|------------------------|-------------|
| | FLOW MGD | TSS mg/L | cBOD mg/L | SS m/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS m/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS m/L | FLOW MGD | Desalter FLOW MGD | Desalter FLOW MGD | FLOW MGD | FLOW MGD | FLOW MGD | | FLOW MGD |
| 08/01/18 | 5.570 | 3.8 | 3.6 | 0.1 | 2.310 | 6.7 | 8.0 | <0.1 | 0.000 | | | | 0.124 | 4.9 | 3.0 | <0.1 | 0.427 | 0.156 | 8.560 | 0.00 |
| 08/02/18 | 5.540 | 4.7 | 3.2 | <0.1 | 2.650 | 5.1 | 6.0 | <0.1 | 0.000 | | | | 0.242 | 3.5 | 2.0 | <0.1 | 0.427 | 0.156 | 9.120 | 0.00 |
| 08/03/18 | 6.140 | 7.0 | 5.4 | 0.1 | 1.734 | 9.6 | 7.0 | <0.1 | 0.020 | 0.9 | 2.2 | <0.1 | 0.312 | 3.9 | 2.0 | <0.1 | 0.428 | 0.161 | 8.740 | 0.00 |
| 08/04/18 | 5.770 | | | | 1.135 | | | | 0.000 | | | | 0.353 | | | | 0.428 | 0.155 | 8.240 | 0.00 |
| 08/05/18 | 6.050 | 3.5 | 4.8 | | 1.630 | 4.0 | 7.0 | <0.1 | 0.000 | | | | 0.401 | | | | 0.429 | 0.156 | 8.670 | 0.00 |
| 08/06/18 | 6.030 | 4.3 | 4.5 | 0.1 | 2.040 | 4.4 | 5.0 | <0.1 | 0.000 | | | | 0.370 | 4.3 | 14.0 | <0.1 | 0.428 | 0.160 | 9.020 | 0.00 |
| 08/07/18 | 5.590 | 4.8 | 4.7 | 0.1 | 1.644 | 4.0 | 6.0 | <0.1 | 0.000 | | | | 0.280 | 4.4 | 15.0 | 0.1 | 0.429 | 0.160 | 8.340 | 0.00 |
| 08/08/18 | 5.750 | 5.8 | 5.0 | 0.1 | 1.787 | 4.0 | 3.0 | <0.1 | 0.150 | 1.8 | 3.1 | <0.1 | 0.146 | 4.9 | 3.0 | 0.1 | 0.430 | 0.158 | 8.220 | 0.01 |
| 08/09/18 | 5.450 | 5.9 | 5.4 | 0.2 | 1.113 | 4.1 | 5.0 | <0.1 | 0.000 | | | | 0.096 | 4.4 | 2.0 | 0.1 | 0.429 | 0.157 | 7.780 | 0.00 |
| 08/10/18 | 5.790 | 7.1 | 5.2 | <0.1 | 1.483 | 4.1 | 6.0 | <0.1 | 0.010 | 1.6 | 2.8 | <0.1 | 0.102 | 4.3 | 3.0 | 0.1 | 0.430 | 0.161 | 8.010 | 0.00 |
| 08/11/18 | 5.680 | | | | 1.876 | 4.2 | 6.0 | <0.1 | 0.000 | | | | 0.118 | | | | 0.431 | 0.157 | 8.540 | 0.00 |
| 08/12/18 | 5.840 | 6.1 | | | 1.956 | | | | 0.000 | | | | 0.205 | | | | 0.431 | 0.156 | 8.260 | 0.00 |
| 08/13/18 | 5.790 | 4.8 | 11.5 | 0.2 | 2.199 | 5.0 | 7.0 | <0.1 | 0.000 | | | | 0.223 | 1.2 | 13.0 | 0.1 | 0.431 | 0.161 | 8.880 | 0.00 |
| 08/14/18 | 5.630 | 5.8 | 10.6 | 0.1 | 1.664 | 5.7 | 7.0 | <0.1 | 0.000 | | | | 0.178 | 2.4 | 13.0 | 0.2 | 0.441 | 0.157 | 8.630 | 0.00 |
| 08/15/18 | 5.250 | 4.3 | 8.8 | <0.1 | 1.625 | 6.2 | 5.0 | <0.1 | 0.000 | | | | 0.196 | 3.2 | 2.0 | 0.2 | 0.439 | 0.133 | 7.700 | 0.00 |
| 08/16/18 | 5.530 | 7.3 | 6.8 | 0.1 | 1.520 | 6.4 | 6.0 | <0.1 | 0.050 | 2.2 | 2.4 | 0.4 | 0.158 | 1.8 | 2.0 | 0.1 | 0.433 | No Flow | 8.150 | 0.00 |
| 08/17/18 | 5.480 | 9.2 | 9.6 | 0.1 | 1.613 | 6.4 | 6.0 | <0.1 | 0.020 | 3.9 | 3.8 | <0.1 | 0.166 | 2.5 | 2.0 | <0.1 | 0.433 | No Flow | 7.630 | 0.00 |
| 08/18/18 | 5.360 | | | | 1.114 | | | | 0.000 | | | | 0.188 | | | | 0.433 | No Flow | 7.730 | 0.00 |
| 08/19/18 | 5.530 | 7.2 | 8.8 | | 2.023 | | | | 0.000 | | | | 0.232 | | | | 0.433 | No Flow | 8.510 | 0.00 |
| 08/20/18 | 5.570 | 8.4 | 6.9 | 0.1 | 2.515 | 7.0 | 7.0 | <0.1 | 0.000 | | | | 0.304 | 3.7 | 13.0 | 0.4 | 0.434 | No Flow | 9.090 | 0.00 |
| 08/21/18 | 5.560 | 7.8 | | 0.1 | 1.780 | 8.6 | 7.0 | <0.1 | 0.000 | | | | 0.302 | 4.4 | 13.0 | 0.2 | 0.434 | No Flow | 8.630 | 0.00 |
| 08/22/18 | 5.330 | 4.7 | 8.2 | <0.1 | 2.376 | 6.8 | 3.0 | <0.1 | 0.000 | | | | 0.225 | 2.6 | 14.0 | <0.1 | 0.435 | No Flow | 8.460 | 0.00 |
| 08/23/18 | 5.300 | 4.6 | 6.2 | 0.3 | 1.602 | 6.9 | 4.0 | <0.1 | 0.000 | | | | 0.660 | 4.2 | 3.0 | <0.1 | 0.434 | No Flow | 8.630 | 0.00 |
| 08/24/18 | 5.380 | 7.4 | 9.0 | 0.1 | 2.016 | 9.0 | 7.0 | <0.1 | 0.020 | 6.4 | 3.8 | 2.5 | 0.182 | 4.9 | 3.0 | <0.1 | 0.434 | No Flow | 8.390 | 0.00 |
| 08/25/18 | 5.200 | | | | 2.122 | | | | 0.000 | | | | 0.198 | | | | 0.434 | No Flow | 8.510 | 0.00 |
| 08/26/18 | 5.290 | 6.1 | 7.8 | | 2.682 | | | | 0.980 | | | | 0.313 | | | | 0.434 | No Flow | 8.810 | 0.00 |
| 08/27/18 | 5.350 | 6.4 | 7.2 | 0.2 | 2.774 | 7.8 | 6.0 | <0.1 | 0.220 | 2.6 | 15.2 | <0.1 | 0.418 | 5.2 | 13.0 | 0.1 | 0.433 | No Flow | 10.670 | 0.00 |
| 08/28/18 | 5.220 | 6.7 | 5.4 | 0.1 | 2.022 | 7.6 | 7.0 | <0.1 | 0.000 | | | | 0.290 | 5.6 | 12.0 | 0.2 | 0.450 | No Flow | 8.760 | 0.00 |
| 08/29/18 | 4.970 | 5.5 | 11.4 | 0.1 | 2.600 | 7.3 | 4.0 | <0.1 | 0.000 | | | | 0.256 | 5.2 | 3.0 | 0.2 | 0.468 | No Flow | 8.770 | 0.00 |
| 08/30/18 | 5.260 | 6.2 | 12.6 | 0.1 | 1.481 | 7.3 | 4.0 | <0.1 | 0.030 | 4.8 | 11.0 | 0.2 | 0.211 | 6.3 | 2.0 | <0.1 | 0.468 | No Flow | 8.160 | 0.00 |
| 08/31/18 | 5.010 | 7.7 | 5.6 | 0.1 | 1.448 | 9.1 | 5.0 | <0.1 | 0.020 | 10.3 | <0.1 | | 0.190 | 2.9 | 1.0 | <0.1 | 0.467 | No Flow | 7.450 | 0.00 |
| AVG | 5.523 | 6.0 | 7.1 | <0.1 | 1.888 | 6.3 | 5.8 | <0.1 | 0.049 | 3.8 | 5.5 | <0.4 | 0.246 | 3.9 | 6.7 | <0.1 | 0.436 | 0.076 | 8.486 | |
| TOTAL | 171.210 | | | | 58.534 | | | | 1.520 | | | | 7.639 | | | | 13.515 | 2.344 | 263.060 | 0.01 |

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 0628

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Enterococcus | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds | | |
|------|----------|------|----------------|---------|--------------|---------------------------|----------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|----------|----------|
| | | | CFU/100ml | SM9222B | | CFU/100ml | SM9222D | EPA 1600 | | | | | | | | Onshore | Offshore |
| | | | CFU/100ml | SM9222B | | CFU/100ml | EPA 1600 | Onshore | | | | | | | | Offshore | |
| S0 | 08/01/18 | 0905 | <40 | <40 | <4 | None | None | None | None | Blue | 77 | Turbid | | | | | |
| S1 | 08/01/18 | 0915 | <40 | <40 | <4 | None | None | None | None | Blue | | Turbid | | | | | |
| S2 | 08/01/18 | 0920 | <40 | <40 | <4 | None | None | None | None | Blue | | Turbid | | | | | |
| DSB5 | 08/01/18 | 1000 | 9 | <30 | <5 | None | None | None | None | Blue | | Turbid | | | | | |
| S3 | 08/01/18 | 0925 | <40 | <40 | 2 | None | None | None | None | Blue | | Turbid | | | | | |
| DSB4 | 08/01/18 | 0925 | <40 | <40 | <4 | None | None | None | None | Blue | | Turbid | | | | | |
| S5 | 08/01/18 | 0930 | <40 | <40 | <4 | None | None | None | None | Blue | 77 | Turbid | | | | | |
| DSB1 | 08/01/18 | 0935 | <40 | <40 | <4 | None | None | None | None | Blue | | Turbid | | | | | |
| SJC1 | 08/01/18 | 0907 | <200 | <200 | <20 | None | None | None | None | Blue | | Turbid | | | | | |

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2018
 REPORT DUE: October 1, 2018
 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 0711
 Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Enterococcus | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------|---------------------------|---------|----------|--------------|-------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | | CFU/100ml | Onshore | Offshore | | | | | | | |
| S0 | 08/07/18 | 0818 | 100 | <40 | 10 | None | None | None | None | Green | | | Turbid | | |
| S1 | 08/07/18 | 0825 | 50 | <40 | <4 | None | None | None | None | Green | | | Turbid | | |
| S2 | 08/07/18 | 0810 | 40 | <40 | 4 | None | None | None | None | Green | | | Turbid | | |
| DSB5 | 08/07/18 | 0759 | 50 | 40 | 5 | None | None | None | None | Brown | 73 | | Turbid | | |
| S3 | 08/07/18 | 0830 | <40 | <40 | 4 | None | None | None | None | Green | | | Turbid | | |
| DSB4 | 08/07/18 | 0835 | 20 | <40 | <4 | None | None | None | None | Green | | | Turbid | | |
| S5 | 08/07/18 | 0840 | 20 | <40 | <4 | None | None | None | None | Green | | | Turbid | | |
| DSB1 | 08/07/18 | 0845 | 20 | <40 | <4 | None | None | None | None | Green | | | Turbid | | |
| C1 | 08/07/18 | 0915 | 90 | <200 | 9 | None | None | None | None | Green | 73 | | Turbid | | |

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

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 0720

Weather: Overcast

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | Enterococcus | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds | |
|------|----------|------|----------------|-----------|----------------|--------------|---------------------------|-----------|---------|--------------|-------|-------------|-------------|-----------------|--------------|-------|----------|
| | | | CFU/100ml | SM9222B | | | SM9222D | EPA 1600 | Onshore | | | | | | | | Offshore |
| | | | CFU/100ml | CFU/100ml | | | CFU/100ml | CFU/100ml | Onshore | | | | | | | | Offshore |
| S0 | 08/16/18 | 0810 | 20 | <40 | <40 | 4 | None | None | None | None | Brown | 68 | Turbid | | | | |
| S1 | 08/16/18 | 0820 | <40 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | | | |
| S2 | 08/16/18 | 0805 | <40 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | | | |
| DSB5 | 08/16/18 | 0800 | <30 | 20 | 20 | 200 | None | None | None | None | Green | | Turbid | | | | |
| S3 | 08/16/18 | 0830 | 20 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | | | |
| DSB4 | 08/16/18 | 0835 | 20 | <40 | <40 | 10 | None | None | None | None | Green | | Turbid | | | | |
| S5 | 08/16/18 | 0840 | 40 | <40 | <40 | 2 | None | None | None | None | Green | | Turbid | | | | |
| DSB1 | 08/16/18 | 0845 | 20 | <40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | | | |
| C1 | 08/16/18 | 0815 | <200 | <200 | <200 | 9 | None | None | None | None | Brown | 69 | Turbid | | | | |

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 0758

Weather: Overcast

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | | Enterococcus | | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------|-----------|----------------|-----------|--------------|---------|---------------------------|------|------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml | SM9222B | CFU/100ml | SM9222D | EPA 1600 | Onshore | Offshore | | | | | | | | | |
| | | | SM9222B | CFU/100ml | CFU/100ml | CFU/100ml | CFU/100ml | Onshore | Offshore | | | | | | | | | |
| S0 | 08/21/18 | 0836 | <40 | <40 | <40 | <40 | 5 | None | None | None | None | None | None | Green | 67 | Turbid | | |
| S1 | 08/21/18 | 0840 | 20 | <40 | <40 | <40 | 7 | None | None | None | None | None | None | Green | | Turbid | | |
| S2 | 08/21/18 | 0825 | <40 | 20 | 20 | 20 | 2 | None | None | None | None | None | None | Brown | | Turbid | | |
| DSB5 | 08/21/18 | 0810 | <30 | 10 | 10 | 10 | 5 | None | None | None | None | None | None | Brown | | Turbid | | |
| S3 | 08/21/18 | 0845 | <40 | <40 | <40 | <40 | 2 | None | None | None | None | None | None | Green | | Turbid | | |
| DSB4 | 08/21/18 | 0845 | <40 | 20 | 20 | 20 | <4 | None | None | None | None | None | None | Green | | Turbid | | |
| S5 | 08/21/18 | 0850 | <40 | <40 | <40 | <40 | <4 | None | None | None | None | None | None | Green | | Turbid | | |
| DSB1 | 08/21/18 | 0855 | <40 | <40 | <40 | <40 | <4 | None | None | None | None | None | None | Green | 67 | Turbid | | |
| C1 | 08/21/18 | 0836 | <200 | <200 | <200 | <200 | 20 | None | None | 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.

Unified Beach Monitoring

#5

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 1158

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | | Fecal Coliform | | Enterococcus | | Material of Sewage Origin | | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------|-----------|----------------|-----------|--------------|---------|---------------------------|------|------|--------------|-------|-------------|-----------------|-----------------|--------------|-------|
| | | | SM9222B | SM9222D | SM9222B | SM9222D | EPA 1600 | Onshore | Offshore | | | | | | | | | |
| | | | CFU/100ml | CFU/100ml | CFU/100ml | CFU/100ml | CFU/100ml | Onshore | Offshore | | | | | | | | | |
| S0 | 08/30/18 | 926 | <30 | <30 | <30 | <30 | 1 | None | None | None | None | None | Green | 71 | Slightly Turbid | | | |
| S1 | 08/30/18 | 956 | <40 | <40 | <40 | 4 | None | None | None | None | None | None | Green | | Slightly Turbid | | | |
| S2 | 08/30/18 | 917 | <40 | <40 | <40 | <4 | <4 | None | None | None | None | None | Green | | Slightly Turbid | | | |
| DSB5 | 08/30/18 | 908 | >=200 | 70 | 70 | 4 | 4 | None | None | None | None | None | Green | 70 | Clear | | 3 | |
| S3 | 08/30/18 | 1002 | <40 | <40 | <40 | <4 | <4 | None | None | None | None | None | Green | | Slightly Turbid | | | |
| DSB4 | 08/30/18 | 1003 | <40 | <40 | <40 | <4 | <4 | None | None | None | None | None | Green | | Slightly Turbid | | | |
| S5 | 08/30/18 | 1010 | 40 | 20 | 20 | 20 | 20 | None | None | None | None | None | Green | 70 | Slightly Turbid | | | |
| DSB1 | 08/30/18 | 1014 | <40 | <40 | <40 | <40 | 20 | None | None | None | None | None | Green | | Slightly Turbid | | | |
| C1 | 08/30/18 | 923 | <40 | <40 | <40 | <40 | 9 | None | None | None | None | None | Green | 71 | Slightly Turbid | | | |

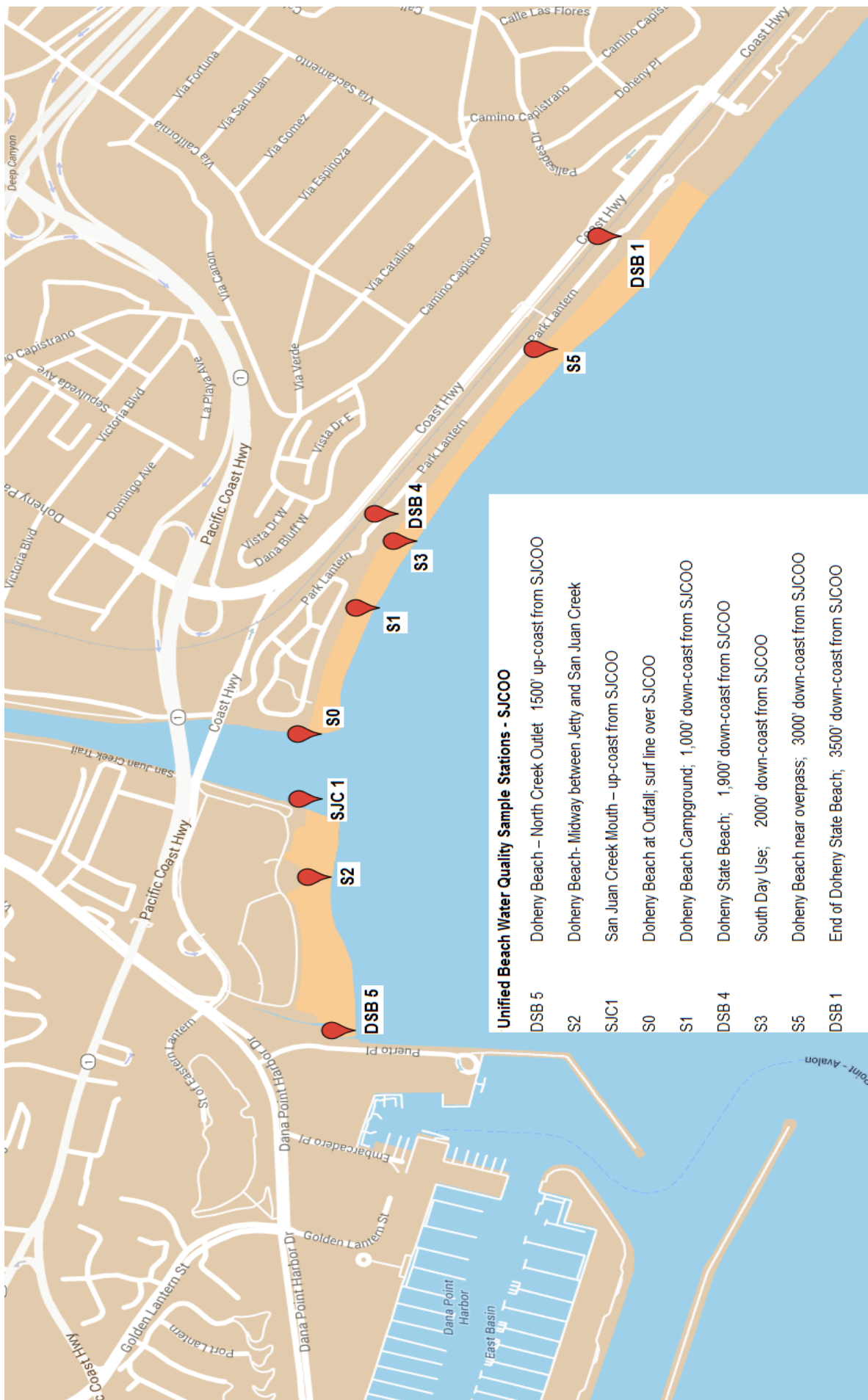
RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

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: August 2018

REPORT FREQUENCY: Monthly

REPORT DUE: October 1, 2018

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 830

| 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 | 08/04/18 | <2 | <2 | <2 | 934 | 0 | 0 | 0 - None |
| A-1 | Mid depth | 08/04/18 | 40 | 20 | 20 | | | | 1 - Mild |
| A-2 | Surface | 08/04/18 | <2 | <2 | <2 | 939 | 0 | 0 | 2 - Moderate |
| A-2 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | 3 - Severe |
| A-3 | Surface | 08/04/18 | <2 | <2 | <2 | 943 | 0 | 0 | |
| A-3 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| A-4 | Surface | 08/04/18 | <2 | <2 | <2 | 952 | 0 | 0 | |
| A-4 | Mid depth | 08/04/18 | <10 | 10 | <10 | | | | |
| A-5 | Surface | 08/04/18 | <2 | <2 | <2 | 946 | 0 | 0 | |
| A-5 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| B-1 | Surface | 08/04/18 | <2 | <2 | <2 | 925 | 0 | 0 | |
| B-1 | Mid depth | 08/04/18 | 190 | 260 | 10 | | | | |
| B-2 | Surface | 08/04/18 | <2 | <2 | <2 | 959 | 0 | 0 | |
| B-2 | Mid depth | 08/04/18 | <10 | <10 | <10 | | | | |
| N1 | Surface | 08/04/18 | <2 | <2 | <2 | 917 | 0 | 0 | |
| N2 | Surface | 08/04/18 | <2 | <2 | <2 | 914 | 0 | 0 | |
| N3 | Surface | 08/04/18 | 2 | <2 | <2 | 912 | 0 | 0 | |
| N4 | Surface | 08/04/18 | <2 | 2 | <2 | 907 | 0 | 0 | |
| N5 | Surface | 08/04/18 | <2 | <2 | <2 | 905 | 0 | 0 | |
| N6 | Surface | 08/04/18 | <2 | <2 | <2 | 903 | 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 2018**

| SJCOO Permit Order No. R9-2012-0012 | | | | | | | | | |
|-------------------------------------|----------------|-------------------|--------------------------|-------|--------------|----------------|----------------|--|--|
| Agency | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Potential Fine | | |
| City of San Clemente | 4/2/2018 | Settleable Solids | Instantaneous | mL/L | 3.00 | 7.50 | \$3,000 | | |
| City of San Clemente | 4/2/2018 | Settleable Solids | Weekly Average | mL/L | 1.50 | 1.58 | \$3,000 | | |
| SMWD | 5/25/2018 | cBOD | Monitoring Violation | mg/L | Daily | Not Reported | \$3,000 | | |
| SMWD | 05/28/2018 | cBOD | Weekly Average | mg/L | 40 | 92 | \$3,000 | | |
| SMWD | 05/28/2018 | cBOD | Monthly Average | mg/L | 25 | 39 | \$3,000 | | |
| SMWD | 05/28/2018 | TSS | Weekly Average | mg/L | 45 | 381 | \$3,000 | | |
| SMWD | 05/28/2018 | TSS | Monthly Average | mg/L | 30 | 130 | \$3,000 | | |
| City of San Clemente | 7/19/2018 | Settleable Solids | Instantaneous | mL/L | 3.00 | 10.00 | \$3,000 | | |
| SMWD | 8/31/2018 | cBOD | Monitoring Violation | mg/L | Daily | Not Reported | \$3,000 | | |



**SOCWA and MEMBER AGENCY FACILITIES
 SJCOO Spill / Overflow Report Log - 2018
 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 |
|------------------|--------------------|----------------------------|-------------------|------------------------------|------------------|------------------------|---------------|
| SOCWA | SOCWA-JBL | 5,400 | Secondary | Irrigation valve malfunction | San Juan Creek | 02-09-18 | 02-09-18 |

Recycled Water Report

Compliance Summary Report
Recycled Water Permit
2018

| Waste Discharge Requirement Order 97 - 52 | | | | | | | |
|---|----------------|----------------|--------------------------|-----------|--------------|----------------|---|
| Agency - Facility | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Remarks |
| SOCWA - RTP | 1/16/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.07 | |
| SOCWA - RTP | 2/1/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 3/1/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD - 3A | 3/27/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| TCWD - RRWRP | 3/29/2018 | Nitrate as NO3 | Annual | mg/L | 45 | 55 | |
| SOCWA - RTP | 4/18/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD - 3A | 4/24/2018 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 5/1/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SMWD - 3A | 5/31/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SMWD - 3A | 6/3/2018 | Coliform | Acute | cfu/100mL | <2 | 1600.00 | SMWD reported that the sample container was contaminated. |
| SOCWA - RTP | 6/7/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SMWD - 3A | 6/8/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SOCWA - RTP | 7/3/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.07 | |
| SMWD - 3A | 7/12/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SMWD - 3A | 8/6/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |
| SOCWA - RTP | 8/16/2018 | Manganese | 12-Month | mg/L | 0.06 | 0.06 | |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Aug 31, 2018

| Constituent | Units | 12-month Avg Maximum Permit Limit | LRWD-LAWRP 12-month Average | ETWD-WRP 12-month Average | TCWD 12-month Average | SMWD Osc 12-month Average | SMWD Chiquita 12-month Average | SMWD Nicholas 12-month Average | MNWD-3A 12-month Average | MNWD-RTP 12-month Average | SCWD-CTP 12-month Average |
|----------------------|-------|-----------------------------------|-----------------------------|---------------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|--------------------------|---------------------------|---------------------------|
| TDS | mg/L | 1000 | 844 | 888 | 977 | 756 | 797 | 876 | 773 | 896 | 727 |
| Chloride | mg/L | 375 | 186 | 172 | 242 | 179 | 184 | 229 | 195 | 236 | 209 |
| Sulfate | mg/L | 400 | 251 | 217 | 268 | 209 | 183 | 212 | 177 | 291 | 228 |
| Sodium | mg/L | None | 165 | 150 | 195 | 147 | 157 | 183 | 157 | 160 | 145 |
| Alkalinity | mg/L | None | - | - | - | - | - | - | - | 240 | 175 |
| Adjusted SAR | Ratio | None | 5.10 | - | 4.36 | 4.77 | 4.98 | 5.94 | 5.03 | 4.83 | 4.55 |
| Iron | mg/L | 0.3 | 0.032 | 0.055 | 0.020 | 0.051 | 0.123 | 0.015 | 0.13 | 0.193 | 0.089 |
| Manganese | mg/L | 0.05 | 0.034 | 0.008 | 0.017 | 0.025 | 0.037 | 0.004 | 0.062 | 0.060 | 0.055 |
| MBAS | mg/L | 0.5 | 0.09 | 0.00 | 0.05 | 0.24 | 0.20 | 0.20 | 0.24 | 0.03 | 0.05 |
| Boron | mg/L | 0.75 | 0.32 | 0.260 | 0.299 | 0.340 | 0.370 | 0.390 | 0.34 | 0.300 | 0.31 |
| Fluoride | mg/L | None | 0.44 | 1.010 | 0.23 | 0.990 | 0.79 | 0.83 | 0.89 | 0.95 | 0.96 |
| Total Organic Carbon | mg/L | None | 10.0 | - | 7.7 | 12.3 | 11.3 | 7.5 | 10.5 | 9.8 | 9.5 |

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

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

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

TDS 910 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) 2018

| Agency | Facility or Region | Jan '18 | Feb '18 | Mar '18 | Apr '18 | May '18 | Jun '18 | Jul '18 | Aug '18 | Sep '18 | Oct '18 | Nov '18 | Dec '18 | Annual Totals |
|--------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| CSJC 1 | 3-A Plant/MNWD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.67 | 30.16 | | | | | 10.67 |
| CSJC 2 | Chiquita/SMWD | 13.70 | 19.20 | 0.00 | 14.41 | 15.35 | 15.81 | 23.26 | 22.86 | | | | | 124.58 |
| CSJC 3 | Non-Domestic Well | 13.32 | 16.31 | 26.40 | 50.37 | 52.18 | 66.65 | 59.34 | 58.39 | | | | | 342.96 |
| ETWD | Region 8 | 59.07 | 92.01 | 43.98 | 140.30 | 129.23 | 180.46 | 215.87 | 233.30 | | | | | 1094.22 |
| IRWD | | | | | | | | | | | | | | |
| | 4 IRWD - 8 | 55.64 | 77.77 | 28.80 | 111.44 | 123.10 | 152.90 | 168.32 | 181.23 | | | | | 899.20 |
| | 4 IRWD - 9 | 61.28 | 72.89 | 18.15 | 124.80 | 107.15 | 141.29 | 149.42 | 133.01 | | | | | 807.97 |
| SCWD | SOCWA CTP | 0.00 | 0.00 | 0.00 | 73.05 | 107.61 | 129.41 | 141.55 | 151.97 | | | | | 700.87 |
| MNWD | JRP | 438.85 | 522.48 | 194.26 | 454.07 | 446.00 | 566.52 | 672.21 | 662.08 | | | | | 4312.00 |
| | 3-A Plant | 0.00 | 0.00 | 107.73 | 210.26 | 218.58 | 210.34 | 218.12 | 226.22 | | | | | 1191.26 |
| | 5 CTP | -36.70 | -48.85 | -38.12 | -18.45 | 9.47 | 8.82 | 15.10 | 13.50 | | | | | -108.71 |
| SMWD | Oso Creek | 147.80 | 132.33 | 145.65 | 137.85 | 146.75 | 140.95 | 146.97 | 137.46 | | | | | 1135.76 |
| | Chiquita | 330.98 | 422.46 | 318.46 | 471.60 | 487.49 | 478.13 | 490.62 | 489.00 | | | | | 3488.74 |
| | Nichols | 1.94 | 1.75 | 2.17 | 1.96 | 2.04 | 2.05 | 2.43 | 2.69 | | | | | 17.04 |
| TCWD | RRWRP | 47.84 | 40.68 | 42.11 | 42.12 | 46.70 | 43.39 | 44.27 | 42.18 | | | | | 349.29 |
| TOTALS | | 1133.72 | 1349.03 | 889.58 | 1813.79 | 1891.67 | 2136.73 | 2358.15 | 2340.38 | | | | | 14365.87 |

- 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

August and September 2018

Agenda Item

Legal Counsel Review: N/A

Meeting Date: October 4, 2018

TO: SOCWA Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Katie Greenwood, Source Control Manager
SUBJECT: Monthly Pretreatment Report, August and September 2018
San Juan Creek Ocean Outfall
NPDES Permit #CA0107417 Order #R9-2012-0012
Aliso Creek Ocean Outfall
NPDES Permit #CA0107611 Order #R9-2012-0013

Summary of Program Activities

Staff continues to utilize the CA Manufacturers Directory to identify Industrial Users (IUs). SOCWA's dental user survey spreadsheet is also continually updated via submittal of Member Agency (MA) Will-Serve Letter, and SOCWA's one-time compliance report provided via SOCWA's website.

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:

MNWD – WD Permit No. MNWD-1NS-002 – Jared Jewelers – Renewal WD Permit to continue to allow no more than 100 gpd of categorical wastewater, subject to metal finishing pretreatment standards, from the cleaning and repair of jewelry to be discharged to the sewer. A renewal WD permit application was received on September 6, 2018 and a new WD Permit issued on September 19, 2018.

SCWD – NSWD Permit No. SCWD-N4-011 – OC Public Works Poche Beach – Renewal NSWD Permit to continue to allow backwash wastewater from the treatment system to be discharged to the sewer. The current permit expired October 1, 2018, and a permit extension was granted until a new Agreement or an extension of the existing Agreement between OC and SCWD is finalized. A renewal NSWD Permit Application was provided on September 5, 2018.

IRWD – SWD Permit No. IRWD-4-001 – Beacon Bay – Renewal SWD Permit to continue to allow treated groundwater to be discharge to the sewer. A renewal SWD Permit Application was provided on September 18, 2018. The current SWD Permit expires October 20, 2018.

SCWD – NSWD Permit No. SCWD-N4-010 – Three Arch Bay – Renewal NSWD Permit to continue to allow dry weather nuisance flows to discharge to the sewer. The permit renewal requires a new Agreement or an extension of the existing Agreement with SCWD. A renewal NSWD Permit Application was provided on September 5, 2018. The current NSWD Permit expires November 20, 2018.

Trainings and Meetings Attended

On September 11, 2018, SOCWA and SCWD Staff met with Three Arch Bay personnel to look at their on-site diversion wet well, discuss solutions for flow meter replacement and pump clogging issues and to provide an introduction for new SCWD Staff.

On September 11, 2018, SOCWA Staff attended the Industry Advisory Council Meeting at the LA Sanitation Long Beach Pumping Plant in Long Beach, CA.

Public Outreach Events

On September 15, 2018 SOCWA Staff joined CSC Staff in conducting the annual California Coastal Clean-up Day event. Staff set-up a table with CSC Staff at the SC pier and displayed environmental educational information related to water quality issues and engaged with clean-up volunteers and the public. SOCWA also provided give-away items such as pencils and rulers for the public and reusable water bottles for outstanding clean-up volunteers. A total of 128 clean-up volunteers reported at the pier clean-up station and removed 161 lbs. of trash from the surrounding beach. There were 256 total volunteers reported from all CSC clean-up sites and 545 lbs. of trash removed.

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

Inspections/Sampling Events

CSC – On approximately September 1, 2018, SOCWA began a flow and loading investigation in the La Pata/Pico industrial area. Currently, Staff has three flow meters in place and is performing quarterly monitoring to establish loadings and track trends.

CSC – On August 29-30, SOCWA Staff conducted the annual inspection and sampling event at Flavorchem. There were no significant inspection findings and all measured parameters were compliant with permit limits. SOCWA Staff is waiting on plumbing as-builts and pictures of clarifier and discharge point at next pump-out.

ETWD – SOCWA has been working with ETWD Staff to inspect a new brewery, Game Craft Brewery.

CSC – On September 18, 2018, SMWD Staff informed SOCWA Staff of recent odor complaints potentially originating from Left Coast Brewery. SOCWA Staff visited site and discussed requirement to obtain WD Permit and install automatic pH adjustment system and end of pipe flow meter. Site provided WD Permit Application on August 8, 2018, and again on September 19, 2018.

Enforcement

SDG&E, 674 Camino De Los Mares, San Clemente, CA 92673

Issued a Warning Notice of Non-Compliance (WNON) on September 18, 2018 for failing to perform monthly sampling in August 2018 as required. However, the same wastewater was sampled three times in July 2018 and all results were compliant with permit limits. SOCWA considers this enforcement action resolved.

Summary of Activities and Types of IUs in the SOCWA Service Area - YTD through September 19, 2018.

| MA | | Events | Permit | NIWD | BMP | FSE | OSE | Closed | Enforcement | # of IUs |
|-----|-----|--------|--------|------|-----|-----|------|--------|-------------|----------|
| CLB | (S) | 0 | 3 | 2 | 5 | 8 | 111 | 0 | 0 | 129 |
| CSC | (M) | 0 | 7 | 35 | 18 | 181 | 1283 | 0 | 5 | 1524 |

| | | | | | | | | | | |
|----------------------|-----|------------|-----------|------------|------------|-------------|-------------|-----------|----------|-------------|
| CSJC | (S) | 0 | 2 | 27 | 59 | 137 | 1669 | 0 | 0 | 1894 |
| ETWD | (M) | 0 | 3 | 98 | 0 | 262 | 134 | 0 | 0 | 497 |
| EBS | (U) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| IRWD | (S) | 4 | 4 | 51 | 21 | 63 | 920 | 0 | 0 | 1059 |
| MNWD | (S) | 105 | 5 | 124 | 40 | 623 | 2078 | 23 | 1 | 2870 |
| SMWD | (S) | 46 | 6 | 19 | 20 | 192 | 752 | 9 | 1 | 992 |
| SCWD | (S) | 7 | 7 | 33 | 7 | 148 | 184 | 0 | 0 | 380 |
| TCWD | (S) | 0 | 11 | 0 | 0 | 7 | 33 | 0 | 0 | 51 |
| SOCWA | (S) | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| Totals | | 162 | 52 | 390 | 170 | 1621 | 7164 | 32 | 7 | 9401 |
| Dentist (All) | | | | | | | | | | 444 |

Total Known IUs 9845

(S) = SOCWA conducts PT program.
(M) = MA conducts PT program /w SOCWA oversight.
(U) = Urban Diversion Only.
YTD = Year to Date.

NIWD = Non-industrial Waste Discharger.
BMP = Best Management Practices.
FSE = Food Service Establishment.
OSE = Other Surveyed Establishment.

Agenda Item

Legal Counsel Review: N/A

Meeting Date: October 4, 2018

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Brian Peck, Director of Engineering

SUBJECT: Capital Improvement Program Status Report

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

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
(*18/'19)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|--|--|--------------|---|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 3213-000 | Water System Piping Improvements (2014) | Design | Study completed. Remaining work is part of the Package 'B' Improvements. |
| 3214-000 | 4MGD Diversion Flow Meter & Control Structure (2012) | Design | Part of the Package 'B' Improvements. |
| 3212-000 | East Primary Influent Channel Repair (2015) | Design | Part of the Package 'B' Improvements. |
| 3280-000 | Facility Improvements B - Basin Upgrades (2018) | Design | Submission of 90% complete documents expected in October, 2018. |
| 3252-000 | Plant 1 Standby Power Generator Replacement (2017) | Design | Operations staff has requested a standby power generator large enough to supply power to all of Plant No.1. Design on hold to allow consideration (see Project 3352-000). |
| 3250-000 | Plant 1 Grit Basin Improvements (2017) | Design | SS Mechanical has learned that new aluminum covers will not be delivered to the site until December, 2018. Work requiring major bypass will not begin until the spring of 2019. |
| 3253-000 | Effluent System Valve Replacement (2017) | Design | Hazen and Sawyer design completed; project to be included as part of Package B construction. |
| 3285-000 | Main Plant Drain Reconstruction (2018) | Construction | Part of the Package 'B' Improvements. |
| 3350-000 | Motor Control Center 'M' Replacement (2019) | Design | RFP for engineering services for project to be issued in September, 2018. |
| 3351-000 | Facility Improvements B - Basin Upgrades Construction I (2019) | Construction | Project expected to go to bid in November, 2018. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
(‘18/’19)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|---|---|--------------|---|
| CAPITAL IMPROVEMENT PROJECT COMMON | | | |
| 3218-000 | Energy Building Roof Reconstruction (2015) | Design | Part of the Package 'B' Improvements. |
| 3216-000 | Hoist System for Maintenance Shop (2013) | Design | Part of the Package 'B' Improvements. |
| 3286-000 | PLC Upgrades (2018) | Construction | Project underway by SOCWA Operations department. |
| 3352-000 | Electrical System Evaluation (2018) | Study | RFP for engineering services for project to be issued in November, 2018. |
| 4001-000 | Plant Drain System Study (2017) (NCP) | Study | Tetra Tech is proceeding with the evaluation of the drain system. |
| CAPITAL IMPROVEMENT PROJECT SOLIDS | | | |
| 3287-000 | Facility Improvements B - DAFT and Ancillary Solids Improvements (2018) | Design | Submittal of 90% complete documents expected in October, 2018. |
| 3210-000 | Facility Improvements - Solids Area (2015) | Design | Tetra Tech submitted 90% complete drawings and specifications to SOCWA on September 21, 2018. |
| 3353-000 | Centrate System Design (2019) | Design | Issue RFP for design in November, 2018. |
| 3354-000 | Emulsion Polymer Feeder Replacement (2019) | Construction | Project expected to go to bid in November, 2018. |
| 3355-000 | Digester No.4 Rehabilitation (2019) | Construction | This item will go to bid with the Package 'B' Improvements in January, 2019. |
| 3356-000 | Facility Improvements B - DAFT and Ancillary Solids Improvements Construction - Part I (2019) | Construction | Project expected to go to bid in January, 2019. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 5 - SAN JUAN CREEK OCEAN OUTFALL CAPITAL PROJECTS
('18/'19)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|-------------------------------------|--|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS | | | |
| 3601-000 | Junction Structure Rehabilitation Design | Design | Design work to be completed under Task 3357-000. |
| 3357-000 | Junction Structure Reinforcement Permitting and Final Design | Design | Item to be reviewed with Engineering Committee at regularly scheduled November meeting. |
| 4004-000 | Emergency Plan Development (2016) (NCP) | Study | SOCWA staff will complete Word documents begun by Black & Veatch. Target completion is January, 2019. |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(18/19)

| Task Code | Description | Phase | Status |
|---|--|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS LIQUIDS | | | |
| 1367 | Export Sludge Line Repair & Rip Rap (R - 2) (2012) | Design | Protection in this area has been largely addressed through the routing of the new Export Sludge pipeline as well as through minor embankment protection features that will be integrated with Export Sludge System replacement. |
| 3593-000 | Primary Sludge Valve Replacement (2018) | Design | Staff has determined to integrate this work into the Facility Improvements Project. |
| 3595-000 | Primary Device Electrical Conduit and Conductor Replacement (2018) | Design | Staff has determined to integrate this work into the Facility Improvements Project. |
| 3514-000 | CTP Facility Upgrade Design (2016) | Design | Part of the Facility Improvements Project; monthly progress meeting with Hazen & Sawyer held on September 11, 2018. |
| 3534-000 | Export Sludge System (1997) | Design | The Low Effect Habitat Conservation Plan and Incidental Take Permit Application have been submitted to the USFWS for review; review meeting conducted with OC Parks on May 10, 2018. |
| 3512-000 | Grating Rebate and Concrete Repair Between HW Building and Primary Basins (2016) | Construction | Part of the Facility Improvements Project; monthly progress meeting with Hazen & Sawyer held on September 11, 2018. |
| 3594-000 | PLC Replacement (2018) | Construction | Project underway by SOCWA Operations department. |
| 3592-000 | Facility Improvements Project Design (2018) | Design | Part of the Facility Improvements Project; monthly progress meeting with Hazen & Sawyer held on September 11, 2018. |
| 3358-000 | Personnel Building Reconstruction (2019) | Construction | Project to advertise for bids in December, 2018. |
| 3359-000 | Facility Improvements Project Construction - Part I (2019) | Construction | Project expected to go to bid in January, 2019. |
| 3360-000 | Vehicle Storage Building Roof (2019) | Construction | Project completed by Operations staff. |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(18/19)

| Task Code | Description | Phase | Status |
|---|---|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS LIQUIDS | | | |
| 3361-000 | AWMA Road Sites West 1 and 2 Embankment Protection (2019) | Design | RFP for project design and permitting to be issued in October, 2018. |
| 3362-000 | Aliso Creek Long Term Repair Planning (2019) | Planning | RFP for project design and permitting to be issued in October, 2018. |
| 3553-000 | Plant Drainage Improvements (2017) | Design | TetraTech has completed design. Work to be included in Facility Improvements bid. |
| CAPITAL IMPROVEMENT PROJECT AWT | | | |
| 3562-000 | AWT Applied Water Pump Replacement (AWT) (2017) | Construction | Project completed. |
| 3596-000 | Applied Water VFD Pump Panel and Electrical (AWT) (2018) | Bidding | Bids opened; recommendation of award to be presented to the Board on October 4, 2018. |
| 3597-000 | MCC A Replacement Design (AWT) (2018) | Design | Project completed. |
| 3364-000 | Chlorine Contact Basin Mixer Construction (AWT) (2019) | Bidding | Bids opened; recommendation of award to be presented to the Board on October 4, 2018. |
| 3365-000 | MCC A Replacement Construction (AWT) (2019) | Bidding | Bids opened; recommendation of award to be presented to the Board on October 4, 2018. |
| 3366-000 | AWT Filter Valve Upgrade Construction (AWT) (2019) | Bidding | Bids opened; recommendation of award to be presented to the Board on October 4, 2018. |
| 3517-000 | AWT Backwash Water Pump Replacement (AWT) (2016) | Construction | Project completed. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(18/19)**

| Task Code | Description | Phase | Status |
|--|---|----------------------|---|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 3701-000 | Secondary Electrical System Rerouting (2014) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3730-000 | Primary Gallery Upgrade (2014) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3702-000 | Waste Activated Sludge VFD Control Panel (2013) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3752-000 | AWT No.2 Upgrade Design (2017) | Design | This project is expected to advertise for bid in January, 2019. |
| 3781-000 | Primary Scum Skimmer Replacement (2018) | Design | Design completed by Lee & Ro; this work will be bid in 2019. |
| 3784-000 | DAF (Mannich) Polymer System Replacement (2018) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3785-000 | DAF Dissolution Tank System Replacement (2018) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3786-000 | Primary Gallery Mechanical and Electrical Upgrade (2018) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3367-000 | Southwest Influent Sewer and Manhole Design (2019) | Design | The draft RFP for this item will be presented to the Engineering Committee after completion of the Moulton Niguel Water District study. |
| 3368-000 | Aeration System Upgrade (2019) | Construction | This project is expected to advertise for bid in January, 2019. |
| 3369-000 | Aeration Gate Replacement (2019) | Construction | This project is expected to advertise for bid in January, 2019. |
| 3787-000 | Aeration Area Upgrade Design (2018) | Design | A progress review meeting with Lee & Ro was held on May 31, 2018. |
| 4008-000 | Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP) | Condition Assessment | Project has been awarded to V&A consultants; assessments to be performed in March, 2019. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(18/19)**

| Task Code | Description | Phase | Status |
|---|---|--------------|---|
| CAPITAL IMPROVEMENT PROJECT COMMON | | | |
| 3715-000 | Switchgear Upgrade (2006) | Construction | Pacific Hydrotech is working on the punch list for this project. |
| 3760-000 | Develop Buried Piping Reconstruction Master Plan (2017) | Study | Completed. |
| 3761-000 | External Lighting Upgrade (2017) | Design | Part of the RTP Miscellaneous Improvements 2018 Project; work is expected to bid in September, 2018. |
| 3370-000 | Administration Building Repair Design (2019) | Design | The RFP for this work will be issued to consultants in October, 2018. |
| 3371-000 | West Slope Protection Evaluation (2019) | Study | The RFP for this work will be issued to consultants in October, 2018. |
| 3372-000 | Motor Control Center A, G, H Design (2019) | Design | The RFP for this work will be issued to consultants in October, 2018. |
| 3373-000 | Southside Plant Flooding Evaluation (2019) | Study | The RFP for this work will be issued to consultants in October, 2018. |
| 3374-000 | SE Electrical Manhole Reconstruction (2018) | Design | The RFP for this work will be issued to consultants in October, 2018. |
| 3788-000 | PLC Upgrade (2018) | Construction | Project underway by SOCWA Operations Dept. |
| CAPITAL IMPROVEMENT PROJECT SOLIDS | | | |
| 3720-000 | Digester Dome Recoating (2014) | Construction | Substantially completed by Pacific Hydrotech. |
| 3375-000 | Phase I Solids Piping Upgrade (2019) | Construction | This project is expected to advertise for bid in March, 2019. |
| 3376-000 | Dewatering Room Floor Sealing and Lighting (2019) | Design | Harper & Associates has been retained to provide a specification for the floor sealing. |
| 3377-000 | Energy Building Roof and Breezeway (2019) | Construction | Part of the RTP Miscellaneous Improvements 2018 Project; this work is expected to go to bid in October, 2018. |
| 3379-000 | SET Piping Reconstruction (2019) | Construction | This project is expected to advertise for bid in March, 2019. |
| 3722-000 | Co-Generation System Retrofit (2008) | Construction | Final system commissioning completed; Pacific Hydrotech working on the punch list items. |
| 3790-000 | Solids Area Upgrade Design (2018) | Design | Project; this work is expected to go to bid in October, 2018. |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 21 - EFFLUENT TRANSMISSION MAIN CAPITAL PROJECTS
 ("18/'19)

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|-------------------------------------|---|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS | | | |
| 3181-000 | Air Vacuum Release Valve Replacement Reach D (2018) | Construction | Technical memorandum received from TetraTech. |
| 3182-000 | Air Vacuum Release Valve Replacement Reach E (2018) | Construction | Technical memorandum received from TetraTech. |
| 4004-000 | Trail Bridge Creek Crossing Protection (Reach D) | Design | Draft memorandum received from TetraTech; presentation to be made at Engineering Committee on October 11, 2018. |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 24 - ALISO CREEK OCEAN OUTFALL CAPITAL PROJECTS
 ("18/'19)

| <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. |
| 4004-000 | Emergency Plan Development (2016) (NCP) | Study | SOCWA staff will complete Word documents begun by Black & Veatch. Target completion is January, 2019. |

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

| Task Code | Description | Fiscal Year 18/19 | | | | Fiscal Year 19/20 | | | |
|--|---|-------------------|---------|---------|---------|-------------------|---------|---------|---------|
| | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| FACILITY IMPROVEMENTS PACKAGE B | | | | | | | | | |
| 3213-000 | Water System Piping Improvements (2014) | D | D | B&A | C | C | C | C | C |
| 3202-000 | Preliminary and Primary Treatment Improvements (Package "B") (2016) | D | D | B&A | C | C | C | C | C |
| 3285-000 | Main Plant Drain Line Reconstruction (2018) | D | D | B&A | C | C | C | C | C |
| 3280-000; | | D | D | B&A | C | C | C | C | C |
| 3351-000 | Facility Improvements B - Basin Upgrades (2018) | D | D | B&A | C | C | C | C | C |
| 3287-000; | | D | D | B&A | C | C | C | C | C |
| 3356-000 | Facility Improvements B - DAFT (2018) | D | D | B&A | C | C | C | C | C |
| 3212-000 | East Primary Influent Channel Repair (2015) | D | D | B&A | C | C | C | C | C |
| 3218-000 | Energy Building Roof Reconstruction (2015) | D | D | B&A | C | C | C | C | C |
| 3216-000 | Hoist System for Maintenance Shop (2013) | D | D | B&A | C | C | C | C | C |
| 3287-000; | | D | D | B&A | C | C | C | C | C |
| 3210-000; | | D | D | B&A | C | C | C | C | C |
| 3355-000 | Facility Improvements - Digester 4 Imps. (2018) | D | D | B&A | C | C | C | C | C |
| 3253-000 | Effluent System Valve Replacement (2017) | D | D | B&A | C | C | C | C | C |

INDEPENDENT PROJECTS

| | | | | | | | | | |
|----------|--|---|---|---|---|--|--|--|--|
| 3250-000 | Plant 1 Grit Basin Improvements (2017) | C | C | C | C | | | | |
| 3286-000 | PLC Upgrades (2018) | C | | | | | | | |
| 4001-000 | Plant Drain System Study (2017) (NCP) | P | | | | | | | |
| 3350-000 | MCC "M" Replacement Design (2019) | | D | D | D | | | | |
| 3354-000 | Emulsion Polymer Feeder Replacement (2019) | | C | C | | | | | |
| 3353-000 | Centrate System Design (2019) | | D | D | D | | | | |

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

| Task Code | Description | Fiscal Year 18/19 | | | | Fiscal Year 19/20 | | | |
|--|---|-------------------|---------|---------|---------|-------------------|---------|---------|---------|
| | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| FACILITY IMPROVEMENTS PACKAGE | | | | | | | | | |
| 3592-000; | | D | D | B&A | C | C | C | C | C |
| 3359-000 | Facility Improvements Project Design (2018) | D | D | B&A | C | C | C | C | C |
| 3595-000 | Primary Device Electrical Conduit (2018) | D | D | B&A | C | C | C | C | C |
| 3593-000 | Primary Sludge Valve Replacement (2018) | D | D | B&A | C | C | C | C | C |
| TERTIARY SYSTEM IMPROVEMENTS 2018 | | | | | | | | | |
| 3597-000; | | B&A | C | C | C | | | | |
| 3365-000 | MCC-A Replacement (2018) | B&A | C | C | C | | | | |
| 3596-000 | Applied Water VFD Pump Panel and Electrical (2018) | B&A | C | C | C | | | | |
| 3364-000 | Chlorine Contact Basin Mixer Construction (AWT) (2019) | B&A | C | C | C | | | | |
| 3366-000 | AWT Filter Valve Upgrade Construction (AWT) (2019) | B&A | C | C | C | | | | |
| EXPORT SLUDGE SYSTEM REPLACEMENT | | | | | | | | | |
| 1367 | Export Sludge Line Repair & Rip Rap (R - 2) (2012) | ENV | ENV | B&A | C | C | C | C | |
| 3534-000 | Export Sludge System (1997) | ENV | ENV | B&A | C | C | C | C | |
| INDEPENDENT PROJECTS | | | | | | | | | |
| 3594-000 | PLC Replacement (2018) | C | C | | | | | | |
| 3553-000 | Plant Drainage Improvements (2017) | D | D | B&A | C | | | | |
| 3358-000 | Personnel Building Reconstruction (2019) | | D | B&A | C | C | | | |
| 3361-000 | AWMA Road Sites West 1 and 2 Embankment Protection (2019) | | | ENV | ENV | ENV | ENV | ENV | B&A |
| 3362-000 | Aliso Creek Long Term Repair Planning (2019) | | | ENV | ENV | ENV | ENV | ENV | |

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

| Task Code | Description | Fiscal Year 18/19 | | | | Fiscal Year 19/20 | | | |
|--|--|-------------------|---------|---------|---------|-------------------|---------|---------|---------|
| | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| MISCELLANEOUS IMPROVEMENTS 2018 | | | | | | | | | |
| 3701-000 | Secondary Electrical System Rerouting (2014) | B&A | C | C | C | C | C | C | C |
| 3702-000 | Waste Activated Sludge VFD Control Panel (2013) | B&A | C | C | C | C | C | C | C |
| 3730-000 | Primary Gallery Upgrade (2014) | B&A | C | C | C | C | C | C | C |
| 3781-000 | Primary Scum Skimmer Replacement (2018) | B&A | C | C | C | C | C | C | C |
| 3784-000 | DAF (Mannich) Polymer System Replacement (2018) | B&A | C | C | C | C | C | C | C |
| 3785-000 | DAF Dissolution Tank System Replacement (2018) | B&A | C | C | C | C | C | C | C |
| 3786-000 | Primary Gallery Mechanical and Electrical Upgrade (2018) | B&A | C | C | C | C | C | C | C |
| 3377-000 | Energy Building Roof and Breezeway (2019) | B&A | C | C | C | C | C | C | C |
| 3761-000 | External Lighting Upgrade (2017) | B&A | C | C | C | C | C | C | C |
| MISCELLANEOUS IMPROVEMENTS 2019 | | | | | | | | | |
| 3787-000; | | D | D | B&A | C | C | C | C | C |
| 3368-000 | Aeration Area Upgrade Design (2018) | D | D | B&A | C | C | C | C | C |
| 3369-000 | Aeration Gate Replacement (2019) | D | D | B&A | C | C | C | C | C |
| 3375-000 | Phase I Solids Piping Upgrade (2019) | D | D | B&A | C | C | C | C | C |
| 3752-000 | AWT No.2 Upgrade Design (2017) | D | D | B&A | C | C | C | C | C |
| 3379-000 | SET Piping Reconstruction (2019) | D | D | B&A | C | C | C | C | C |
| 3790-000 | Solids Area Upgrade Design (2018) | D | D | B&A | C | C | C | C | C |

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

| Task Code | Description | Fiscal Year 18/19 | | | | Fiscal Year 19/20 | | | | |
|-----------------------------|---|-------------------|---------|---------|---------|-------------------|---------|---------|---------|--|
| | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | |
| INDEPENDENT PROJECTS | | | | | | | | | | |
| 4008-000 | Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP) | | CA | CA | | | | | | |
| 3788-000 | PLC Upgrade (2018) | C | | | | | | | | |
| 3367-000 | Southwest Influent Sewer and Manhole Design (2019) | | | P | D | D | D | | | |
| 3370-000 | Administration Building Repair Design (2019) | | P | D | C | | | | | |
| 3371-000 | West Slope Protection Evaluation (2019) | | P | P | | | | | | |
| 3372-000 | Motor Control Center A, G, H Design (2019) | | D | D | D | | | | | |
| 3373-000 | Southside Plant Flooding Evaluation (2019) | | P | P | | | | | | |
| 3374-000 | SE Electrical Manhole Reconstruction (2018) | | D | C | | | | | | |
| 3376-000 | Dewatering Room Floor Sealing and Lighting (2019) | D | C | | | | | | | |

Agenda Item

| |
|---|
| Budgeted: Yes |
| Budget amount: \$1,946,000 |
| Line Items: PC 2 Tasks 3280-000 and 3287-000 |
| Legal Counsel Review: No |
| Meeting Date: October 4, 2018 |

TO: Project Committee 2

FROM: Betty Burnett, General Manager

STAFF CONTACT: Brian Peck, Director of Engineering

SUBJECT: Change Orders to Carollo Engineers Design Services Contract for the J. B. Latham Treatment Plant Package 'B' Improvements Project

Recommendation

The Engineering Committee recommends that the Board of Directors approve Change Orders 5 and 6 to the design services contract with Carollo Engineers for the J. B. Latham Treatment Plant Package 'B' Improvements Project in the amount of \$65,594.

Change Orders

1. Recommend Change Order 5 to the design services contract for the Facility Improvements Package 'B' DAFT and Ancillary Solids Improvements (PC 2, Task 3287-000).

| CO # | CO Item | Description | Change Order Price | Cumulative Change Order* | Status |
|------|---|--|--------------------|--------------------------|---|
| 5 | Revised Design for the Thickened Waste Activated Sludge (TWAS) Pump Station | Revise the TWAS Pump Station design to rotary-lobe pump including revised configuration of suction/discharge piping and electrical, instrumentation and control designs. | \$38,226.00 | \$136,893.00 | SOCWA Engineering Committee Recommended |

* Cumulative for specific task order only

2. Recommend Change Order 6 to the design services contract for the Facility Improvements Package 'B' Basin Upgrades (PC 2, Task 3280-000).

| CO # | CO Item | Description | Change Order Price | Cumulative Change Order* | Status |
|------|---|--|--------------------|--------------------------|---|
| 6 | Complete the Programmable Logic Controller (PLC) Fiber Loop | Modifications for the fiber loop will include an updated network system block diagram, conduit routing and coordination with civil/duct banks. | \$27,368.00 | \$27,368.00 | SOCWA Engineering Committee Recommended |

* Total change order price associated with that specific task code.

Advisory Status

Reviewed and recommended by the SOCWA Engineering Committee on September 13, 2018.

Financial Status

| | | |
|---|-------|-----------------|
| Original Contract Amount: | _____ | \$ 1,597,876.00 |
| Net change by previous change orders: | _____ | \$ 98,667.00 |
| Contract amount prior to this change order: | _____ | \$ 1,696,543.00 |
| Net increase, decrease due to this change order: | _____ | \$ 65,594.00 |
| New contract amount, including this change order: | _____ | \$ 1,762,137.00 |

The allocation of the change order costs is shown below.

| Member Agency | Task 3287-000 | Task 3280-000 | Total |
|--------------------------------|---------------|---------------|-------------|
| Moulton Niguel Water District | \$8,264.46 | \$6,316.54 | \$14,581.00 |
| City of San Juan Capistrano | \$11,467.80 | \$8,421.13 | \$19,888.93 |
| Santa Margarita Water District | \$10,848.54 | \$4,737.40 | \$15,585.94 |
| South Coast Water District | \$7,645.20 | \$7,892.93 | \$15,538.13 |
| Total | \$38,226.00 | \$27,368.00 | \$65,594.00 |

The overall project remains within budget. The revised project ledger is presented in Exhibit 1.

Exhibit 1

Project Cost Ledger: J . B. Latham Treatment Plant
 Facility Improvements Package 'B'
 (Millions)

| | Facility Improvements 'B' - Basin Upgrades | Facility Improvements 'B' - DAFT and Ancillary Solids Improvements | Total |
|----------------------------------|--|--|--------------|
| <u>Budget (2018/2019)</u> | 1.148 | 0.798 | 1.946 |
| <u>Budget Task Codes</u> | 3280-000 | 3287-000 | |
| <u>Estimated Costs-</u> | | | |
| <u>Constr.</u> | 0.000 | 0.000 | 0.000 |
| <u>Construction Change</u> | | | |
| <u>Orders</u> | 0.000 | 0.000 | 0.000 |
| <u>Design</u> | 0.994 | 0.604 | 1.598 |
| <u>Design Change Orders</u> | 0.027 | 0.137 | 0.164 |
| <u>Contingency</u> | 0.1270 | 0.0568 | 0.1839 |
| <u>Construction</u> | | | |
| <u>Management</u> | 0.000 | 0.000 | 0.000 |
| <u>Utilities</u> | 0.000 | 0.000 | 0.000 |
| Total Project Costs | 1.148 | 0.798 | 1.946 |
| <u>Spending</u> | | | |
| Total Current | | | |
| Spending | (0.568) | (0.285) | (0.853) |
| Remaining Spending | (0.580) | (0.513) | (1.093) |
| Remaining Budget | 0.000 | 0.000 | 0.000 |

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

Engineering Committee

August 9, 2018

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was held on Thursday, August 9, 2018, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members present:

| | |
|--------------|---|
| ROD WOODS | Moulton Niguel Water District |
| MIKE MARQUIS | City of San Juan Capistrano [exit 9:10 a.m.] |
| DON BUNTS | Santa Margarita Water District [exit 9:10 a.m.] |
| SARA MATHIS | South Coast Water District [exit 9:15 a.m.] |
| BOBBY YOUNG | El Toro Water District |

Absent:

| | |
|------------------|-------------------------------|
| LORRIE LAUTSEN | Trabuco Canyon Water District |
| KEVIN BURTON | Irvine Ranch Water District |
| DAVE REBENS DORF | City of San Clemente |
| MICHAEL DUNBAR | Emerald Bay Service District |
| DAVID SHISSLER | City of Laguna Beach |

Staff present:

| | |
|-------------------|--|
| BRIAN PECK | Director of Engineering |
| JIM BURROR | Director of Operations |
| BETTY BURNETT | General Manager [exit 9:10 a.m.] |
| RONI YOUNG | Associate Engineer |
| JASON MANNING | Senior Engineer |
| JEANETTE COTINOLA | Procurement/Contracts Administrator |
| DAN WHEELER | Operation & Maintenance Superintendent |

Also Present:

| | |
|-----------------|---|
| DONALD FROELICH | Moulton Niguel Water District |
| DENNIS ERDMAN | South Coast Water District [exit 9:10 a.m.] |
| KEVIN THOMAS | Kimley-Horn [exit 9:30 a.m.] |

Mr. Peck called the meeting to order at 8:33 a.m. and welcomed everyone present.

Public Comments

Mr. Peck asked if members of the public desired to address the Engineering Committee or desired to reserve addressing the Engineering Committee during the meeting regarding any item on the Agenda.

No comments received.

Operations Report

DISCUSSION

Mr. Burror presented the Operations Report.

ACTION TAKEN

Information only, no action required.

Innovative Biosolids Handling Technologies Engineering Support Services Proposal

Review (Project Committees 2 and 17)

DISCUSSION

Mr. Peck reviewed proposals from Brown & Caldwell and Carollo Engineers.

ACTION TAKEN

The representatives from Project Committees 2 and 17 recommended the award of the Innovative Biosolids Technologies Engineering Support Services to Carollo Engineers at a fee of \$99,948.

Asset Register Pilot Project Proposal Review (Project Committees 2 and 17)

DISCUSSION

Mr. Peck reviewed proposals from GHD and Hazen & Sawyer.

ACTION TAKEN

The representatives from Project Committees 2 and 17 recommended the award of the Asset Register Pilot Project to Hazen & Sawyer at a fee of \$89,728.

Regional Treatment Plant Co-Generation and Switchgear Project Construction Project Status Update (Project Committee 17)

DISCUSSION

Mr. Manning presented Change Orders Nos. 35, 36, and 37 for the Regional Treatment Plant Co-Generation and Switchgear Upgrade Project.

ACTION TAKEN

The representatives from Project Committee 17 recommended that the Board of Directors approve Change Orders Nos. 35, 36, and 37.

Regional Treatment Plant Draft Ten Year Plan Review (Project Committee 17)

DISCUSSION

Mr. Peck presented the draft Ten Year Plan for the Regional Treatment Plant. Mr. Peck noted that he was not satisfied with the costs presented in Table 7.1. These numbers will be reviewed and revised as needed prior to the September Engineering Committee.

ACTION TAKEN

Information only, no action required. This topic is to be continued at the September Engineering Committee meeting.

Coastal Treatment Plant Facility Improvements Environmental Documentation Review (Project Committee No. 15)

DISCUSSION

Ms. Young reviewed the proposed Notice of Exemption (NOE) as prepared by Kimley Horn (under contract to Hazen & Sawyer). Mr. Woods indicated that the Moulton Niguel Water District (MNWD) had concerns about the approach. MNWD will be transmitting written comments.

ACTION TAKEN

Action pending receipt and review of MNWD comments.

Adjournment

There being no further business, Mr. Peck adjourned the meeting at 10:04 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of August 9, 2018 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 REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

Engineering Committee

May 10, 2018

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was held on Thursday, May 10, 2018, at 8:30 a.m. at the SOCWA Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members present:

| | |
|-----------------|--|
| ROD WOODS | Moulton Niguel Water District |
| MIKE MARQUIS | City of San Juan Capistrano |
| DAVE REBENDORF | City of San Clemente [arrival 8:56 a.m./exit 9:54 a.m.] |
| DENNIS CAFFERTY | El Toro Water District [exit 10:05 a.m.] |
| DON BUNTS | Santa Margarita Water District [arrival 8:39 a.m./exit 10:05 a.m.] |
| SARA MATHIS | South Coast Water District |

Absent:

| | |
|----------------|-------------------------------|
| KEVIN BURTON | Irvine Ranch Water District |
| MICHAEL DUNBAR | Emerald Bay Service District |
| LORRIE LAUTSEN | Trabuco Canyon Water District |
| DAVID SHISSLER | City of Laguna Beach |

Staff Present:

| | |
|------------------|---|
| BRIAN PECK | Director of Engineering |
| BETTY BURNETT | General Manager |
| JIM BURROR | Director of Operations |
| RONI YOUNG-GRANT | Associate Engineer |
| JASON MANNING | Senior Engineer |
| KEITH BACON | Lab Manager [exit 9:20 a.m.] |
| AMBER BAYLOR | Director of Environmental Compliance [exit 9:20 a.m.] |

Also Present:

| | |
|-------------------|-------------------------------------|
| JESUS GARIBAY, JR | Moulton Niguel Water District |
| SCOTT JENKINS | Michael Baker Inc. [exit 9:20 a.m.] |
| DON KING | DHK Engineers [exit 9:52 a.m.] |

Mr. Peck called the meeting to order at 8:32 a.m. and welcomed everyone present.

Public Comments

Mr. Peck asked if members of the public desired to address the Engineering Committee or desired to reserve addressing the Engineering Committee during the meeting regarding any item on the Agenda. No public comments were received.

Review/Approval of Meeting Minutes

DISCUSSION

A quorum of the Engineering Committee was not present for the review of the Engineering Committee meeting minutes.

ACTION TAKEN

Action on the April 12, 2018, Engineering Committee meeting minutes will be deferred to the June 14, 2018, Engineering Committee meeting.

Operations Report

DISCUSSION

Mr. Burror stated that he was working with Carollo Engineers on the development of a project considering the allocation of treatment costs.

Mr. Burror noted that SOCWA was working with several of the member agencies to develop a plan for how to handle the discharge from vector trucks.

ACTION TAKEN

No action necessary at this time.

Proposed Modifications to the San Juan Creek Ocean Outfall Diffusers

[Project Committee No. 5]

DISCUSSION

Ms. Baylor reviewed the proposed modifications to the San Juan Creek Ocean Outfall diffusers. Dr. Jenkins reviewed the objective of modifying the diffusers to reach a minimum 200:1 initial dilution rate. Michael Baker, Inc. reviewed two options for modifying the diffusers including (a) retrofitting duckbill nozzles over the ports and (b) retrofitting nozzle inserts into the existing ports. The capital cost for the proposed improvements ranged from \$368,900 to \$836,500. The retrofit of the diffusers is not recommended until the need for a modified dilution rate has been clarified.

ACTION TAKEN

No action necessary at this time.

South Coast Water District Desalination Project Update

DISCUSSION

Ms. Baylor gave an updated on the South Coast Water District Desalination Project with regards to impacts on the SOCWA operations. Ms. Baylor noted that the Doheny Desalination project would be obtaining its own discharge permit through the Regional Water Quality Control Board (RWQCB). However, the discharge permits for the Doheny Desalination project, the Aliso Creek Ocean Outfall and the San Juan Creek Ocean Outfall are to be reviewed together by the RWQCB. These permits are expected to be issued by December 2019.

Ms. Baylor noted that the modeling completed by the GHD team indicates that treated wastewater discharges in the San Juan Creek Ocean Outfall could fall as low as 0.35 mgd while meeting ocean discharge requirements (for a desalination facility producing 5 mgd of product water).

ACTION TAKEN

No action necessary at this time.

Review Draft Request for Proposals for Asset Register Pilot Project [Project Committees No. 2 & 17]

DISCUSSION

Mr. Peck presented the draft Request for Proposals (RFP) for the Asset Register Pilot Projects. The scope for the Pilot Project work is largely drawn from the scope being used for similar work by Hazen & Sawyer for the Moulton Niguel Water District. The pilot work will be conducted at two locations: (a) J. B. Latham Treatment Plant Blower Building No.1 and (b) Regional Treatment Plant Anaerobic Digestion System. Mr. Peck intends to issue this RFP to the following firms: Brown and Caldwell, Carollo Engineers, GHD, and Hazen & Sawyer. The anticipated transmittal date for the RFP's is May 29, 2018. Mr. Peck asked that the Engineering Committee members provide any comments to Mr. Peck by May 24, 2018.

ACTION TAKEN

Comments on the draft Asset Register Pilot Projects RFP are requested by May 24, 2018.

Odor Control System Reconstruction Preliminary Planning [Project Committees No. 2 & 17]

DISCUSSION

Mr. Peck provided a PowerPoint presentation regarding odor control system reconstruction planning at the J. B. Latham and Regional Treatment Plants. The presentation was based on a series of technical reports prepared by Don King of DHK Engineering. Mr. Peck noted of the six chemical odor control scrubbers operated by SOCWA, three were installed in the 1990's. These units have an expected life of 30 years. Reasons for planning for the future replacement of these units include the following: (a) age of the assets, (b) high cost of chemical usage, (c) need for added redundancy during maintenance, (d) space utilization, and (e) changing attitudes on the part of plant neighbors. Mr. Peck reviewed the technologies, site locations and estimated costs for new odor control facilities. These projects are probably in the 3 to 5-year planning time frame. These improvements will be integrated into the draft Ten Year Plan.

ACTION TAKEN

No action necessary at this time.

J.B. Latham Treatment Plant Package 'B' Project Status Update [Project Committee No. 2]

DISCUSSION

Ms. Young noted that Carollo Engineers would be making the 35% design submittal for the project later in May 2018. Ms. Young presented four change orders to the Carollo Engineers construction services contract. Change Order No. 1 involves the insulation of the domes for Digesters No.1 and No.2. This will reduce the size of the needed boiler. The design fee for Change Order No.1 is \$18,925.00. Change Order No.2 is a deduct of \$2,449.00 reflecting the decision to install one new boiler in the Energy Building rather than two boilers in the Digester Control Buildings. Change Order No.3 involves the design of instrumentation modifications to the heat loop to allow for more robust monitoring of the hot water system. The added design fee for Change Order No.3 is \$43,998.00. Change Order No.4 involves the installation of seismic wall anchors in the Energy Building. The need for these anchors was identified in a condition assessment that was completed after the design of Package 'B' began.

The design cost for Changer Order No.4 is \$38,193.00. The total amount of proposed changes to the construction services contract is \$98,667.00.

ACTION TAKEN

The present Project Committee 2 Engineering Committee members supported the proposed amendments to the Carollo Engineers design contract.

Regional Treatment Plant Co-Generation and Switchgear Project Construction Project

Status Update [Project Committee No. 17]

DISCUSSION

Mr. Manning indicated that the project had been signed off by Southern California Edison (SCE) and that the paperwork for the SGIP grant had been submitted by the deadline. The commissioning of the system will take place in mid-June, 2018.

Mr. Manning presented five change orders to the Carollo Engineers construction services contract. Change Order No. 7 involved additional time to obtain the permit to operate from SCE at a cost of \$3,579.00. Change Order No. 8 involved on-site support and coordination for SCE commissioning at a cost of \$5,794.00. Change Order No. 9 involved working with Leed Electric to develop as-built drawings to reflect the significant number of changes from Design Clarification No.1. The cost for Change Order No.9 is \$14,776.00. Change Order No. 10 included assistance with operation of digester gas through the new boiler. The cost for Change Order No.10 is \$9,045.00. Change Order No. 11 involved additional coordination with SCE. The cost for Change Order No. 11 is \$2,900.00. The total amount of proposed changes to the construction services contract is \$36,094.

ACTION TAKEN

The present Project Committee 17 Engineering Committee members supported the proposed amendments to the Carollo Engineers construction services contract.

Coastal Treatment Plant Facility Improvements Project Status Update

[Project Committee No. 15]

DISCUSSION

Ms. Young reviewed the status of the Hazen & Sawyer work for the Coastal Treatment Plant Facility Improvements project. Ms. Young presented a table with thirteen potential change orders for the design project. Ms. Young reviewed the first five change orders noting that these were preliminary design issues that had already been completed. Ms. Young discussed Change Order No.6 in some detail noting that the reasons for shifting the new switchgear from the originally planned location in the existing Switchgear Building to the existing Chlorine Building. Ms. Young indicated that Change Order No.7 is a large deductive change order resulting from the removal of the proposed Headworks Screenings Compaction system. This portion of the Facility Improvements Project has been deemed by staff to be of relatively lower importance compared to other needed improvements. Mr. Peck noted that Hazen & Sawyer had not spent any of its fee on this item. Ms. Young stated that this project component would be put back into a later year of the Ten-Year Plan. Ms. Young review Change Orders No. 8 through No. 10 that involved small increases to the design fee based on items identified after the start of design. Change Order No.11 involved a deduction for rerouting conduit and conductors due to an alternative design approach. Ms. Young identified Change Order No.12

as another deduct change order to eliminate the standby power generator for MCC-1. Ms. Burnett expressed concern that eliminating this item would create a greater exposure for the reliable operation of the headworks. Mr. Peck indicated that MCC-1 was already served by the plant-wide standby power generator. Ms. Burnett indicated that it was important for Project Committee 15 to review this item.

Change Order No.13 reflected added work for the design of the aeration system. Mr. Peck noted that this cost was needed to design a new Blower Building. CH2MHill had based the facility plan on installing the new blowers in the Auxiliary Blower Control Building. This is the original blower building constructed in 1967. However, Hazen & Sawyer had determined that the high efficiency turbo blowers would not fit into this building. Mr. Peck expressed concern about adding \$140,000 to a design fee for an item that was not likely to be constructed. Mr. Peck made a PowerPoint presentation regarding the Coastal Plant aeration system. Mr. Peck noted that the problem with the aeration system had always been that the three east aeration basins had a depth of 15 feet while the two west aeration basins have a depth of 25 feet. It is problematic to use the same blowers to aerate the basins with different depths. CH2MHill had noted that a plant with a 4 mgd capacity could be handled with operation of the three east aeration basins. The bottom level in one of the west aeration basins could be raised to serve as a back-up basin. This would allow the aeration system to run with multi-stage blowers on variable frequency drives while using the existing Blower Building. However, maintaining the 6.7 mgd capacity requires two separate blower systems. Mr. Peck had originally believed that the Project Committee 15 dispute would be resolved prior to going to bid for the Facility Improvements Project. However, it appears that a trial date may not be set until the autumn (the Facility Improvements project is scheduled to go out to bid in October, 2018). Mr. Peck reviewed this situation with Mr. Burror and the SOCWA Operations Department. It was agreed that the aeration portion of the project could be shifted two years to allow resolution of the plant capacity. Therefore, Change Order No.13 is not recommended for execution.

Mr. Woods expressed concern that Mr. Peck had stated at a previous Engineering Committee meeting that all of the Project Committee 15 agencies believed that the 6.7 mgd capacity was to be maintained. Mr. Woods emphasized that the Moulton Niguel Water District (MNWD) was not supportive of maintaining the 6.7 mgd capacity; MNWD is supportive of the remaining three agencies determining what those agencies need for their own capacity at the Coastal Treatment Plant. MNWD has indicated in previous Engineering Committee meetings that MNWD did not intend to send wastewater flow to the Coastal Plant and did not intend to renew its participation in the Project Committee 15 agreement when the project agreement expires. Mr. Peck clarified that MNWD's prior Engineering Committee representative, Mr. Marc Serna, had supported the 6.7 mgd capacity as the baseline for engineering decision making while at the same time indicating MNWD had no interest in using its owned capacity at the Coastal Plant.

Ms. Young indicated that this item was being presented for information only. Formal action would be taken at a subsequent Engineering Committee meeting.

ACTION TAKEN

No action necessary at this time.

Adjournment

There being no further business, Mr. Peck adjourned the meeting at 10:30 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of May 10, 2018 and approved by the Board of Directors of the South Orange County Wastewater Authority.

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

Agenda Item

Budgeted: Yes

Budget Amount: \$1,090,000

Line Item: PC 15 Tasks 3364-000, 3365-000, 3366-000, and 3596-000

Legal Counsel Review: Yes

Meeting Date: October 4, 2018

TO: Project Committee 15 Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Brian Peck, Director of Engineering
SUBJECT: Construction Contract for SS Mechanical Construction for the Coastal Treatment Plant Tertiary System Upgrade Project

Summary

This agenda item provides a recommendation for actions related to the award of a construction contract to SS Mechanical Construction for the Coastal Treatment Plant Tertiary System Upgrade Project.

Background

The Coastal Treatment Plant (CTP) Tertiary System Upgrades Project includes the following key elements:

1. Replacement of components of the filtration system including filter media, butterfly valves and pneumatic actuators.
2. Replacement of level floats with ultrasonic level meters.
3. Recoating of the exterior of filtration tanks, piping and walkway supports and the replacement of corroded walkway support beams.
4. Replacement of Filter Supply Pump No. 1 including base and motor, existing suction and discharge piping and valves and repair of the concrete pump pad.
5. Replacement of two chlorine contact mixers.
6. Replacement of Motor Control Center A (MCC A).

Discussion/Analysis

Bidding Process

Bidding documents were made available to the following list of contractors on July 30, 2018:

- Filanc
- Gateway Pacific
- Olsson Construction
- Pacific Hydrotech
- Pascal & Ludwig
- S.S. Mechanical
- Schuler Engineering

Five bids were received and opened on August 30, 2018. The results of these bids are summarized in Table 1. A tabulation of the bids is attached in Exhibit A. The apparent low bidder is S. S. Mechanical.

Table 1 - Overall Bid Prices

| Contractor | Bid Price |
|----------------------------|------------------|
| Filanc | \$ 960,076.00 |
| Olsson | \$ 998,409.00 |
| Pacific Hydrotech | \$ 1,021,881.00 |
| Pascal & Ludwig | \$ 921,400.00 |
| SS Mechanical Construction | \$ 883,211.00 |

Bid and Budget Evaluation

The available budget and contingency levels are presented in Table 2.

Table 2 - Project Bid, Budget and Contingency

| | Bid Amount | Task Code | Budget | Const. Man. | Contingency | |
|---|-------------------|------------------|----------------|--------------------|--------------------|-------------------|
| | | | | | Amount | Percentage |
| Chlorine Contact Basin Mixer | \$52,802.00 | 3364-000 | \$125,000.00 | | \$72,198.00 | 136.73% |
| Applied Water VFD Pump Panel and Electrical | \$146,327.00 | 3596-000 | \$230,000.00 | \$10,000.00 | \$73,673.00 | 50.35% |
| MCC A Replacement | \$193,630.00 | 3365-000 | \$200,000.00 | \$15,000.00 | -\$8,630.00 | -4.46% |
| AWT Filter Valve Upgrades | \$490,452.00 | 3366-000 | \$535,000.00 | \$25,000.00 | \$19,548.00 | 3.99% |
| | \$883,211.00 | | \$1,090,000.00 | \$50,000.00 | \$156,789.00 | 17.75% |

Advisory Committee Review

The Coastal Treatment Plant Tertiary System Upgrade Project bids were reviewed by the members of the Project Committee 15 Engineering Committee on September 13, 2018. The Engineering Committee recommended the award of the project to SS Mechanical Construction. It was noted during the Engineering Committee discussion that this contract amount only financially impacted the South Coast Water District (SCWD) as SCWD is the sole owner of tertiary capacity at the Coastal Plant.

Fiscal Impact

The proposed construction contract amount with S.S. Mechanical is \$ 883,211.00.

The project ledger for the Coastal Treatment Plant Tertiary System Upgrade Project is presented in Exhibit B.

All costs for this project will be fully allocated to the South Coast Water District as this project is completely associated with the tertiary system.

Requested Action

The following action is requested:

- Approve award of construction contract to SS Mechanical at a price not to exceed \$883,211.

**EXHIBIT A
 BID SUMMARY
 CTP TERTIARY SYSTEM UPGRADES**

| | Base Bid Item A - | SS Mechanical Construction Corp. | Pascal & Ludwig | Olsson | Pacific Hydrotech | Filanc |
|----|--|---|----------------------------|---------------|--------------------------|---------------|
| 1 | Mobilization/Demobilization | \$36,000.00 | \$50,000.00 | \$20,000.00 | \$112,800.00 | \$68,966.00 |
| 2 | Demo of the existing Filter Supply Pump No.1 and appurtenances as shown on Drawings M-1 | \$4,340.00 | \$4,000.00 | \$5,000.00 | \$6,200.00 | \$5,093.00 |
| 3 | Installation of new filter supply pump and appurtenances as shown on Drawings M-2 and M-6 | \$85,637.00 | \$88,000.00 | \$95,000.00 | \$92,300.00 | \$89,945.00 |
| 4 | Materials and services for sand filter rehabilitation described in the guarantee price proposal for the filter system dated on July 30, 2018 | \$113,281.00 | \$113,281.00 | \$113,281.00 | \$113,281.00 | \$113,281.00 |
| 5 | Filter components installation and all other work as shown on Drawings M-3, M-4, M-6 and M-7. | \$129,120.00 | \$166,000.00 | \$285,000.00 | \$175,300.00 | \$157,257.00 |
| 6 | The removal of coating and coating of filter system as shown on Drawings M-3, M-4, MN-6 and M-7 | \$182,125.00 | \$127,000.00 | \$150,000.00 | \$128,700.00 | \$116,691.00 |
| 7 | Retrofit of two backwash pump impellers as defined by Owner per Specification Section 01020 | \$10,000.00 | \$10,000.00 | \$10,000.00 | \$10,000.00 | \$10,000.00 |
| 8 | Replacement of two chlorine mixers as shown on Drawing M-5 | \$51,512.00 | \$41,000.00 | \$50,000.00 | \$43,500.00 | \$43,314.00 |
| 9 | Preparation of new MCC A shop drawings | \$6,580.00 | \$7,000.00 | \$11,128.00 | \$8,000.00 | \$10,080.00 |
| 10 | Prep work for temp. power and replacement of MCC A, chlorine mixers and level transmitters including, but not limited cable, conduits, breaker, safety switch, cable penetration of the temporary power and temporary power cable as shown on Drawings E-2 and E-8 | \$15,800.00 | \$19,000.00 | \$16,000.00 | \$19,300.00 | \$17,696.00 |

EXHIBIT A
 BID SUMMARY
 CTP TERTIARY SYSTEM UPGRADES

| | Base Bid Item A - | SS Mechanical Construction Corp. | Pascal & Ludwig | Olsson | Pacific Hydrotech | Filanc |
|----|--|-------------------------------------|----------------------------|---------------------|--------------------------|---------------------|
| | Demo of existing MCC A and installation of new MCC A and appurtenances as shown on Drawings E-3 and E-4 | \$171,250.00 | \$210,000.00 | \$170,000.00 | \$209,200.00 | \$169,142.00 |
| 11 | Filter supply pump electrical work as shown on Drawings E-5, E-7, E-8 and E-9 | \$28,350.00 | \$35,000.00 | \$28,000.00 | \$34,600.00 | \$23,520.00 |
| 12 | Chlorine mixer electrical work as shown on Drawing E-6 | \$1,290.00 | \$2,000.00 | \$2,000.00 | \$1,600.00 | \$17,920.00 |
| 13 | Filter system ultrasonic level transmitters and appurtenances as shown on Drawing E-10 | \$29,400.00 | \$38,000.00 | \$30,000.00 | \$50,300.00 | \$25,760.00 |
| 14 | Installation of LIT/FIT as shown on Drawings E-2 and E-8 | \$9,150.00 | \$11,119.00 | \$10,000.00 | \$16,700.00 | \$24,640.00 |
| 15 | All other items necessary to complete the work associated with the improvements that are not described in Bid Items 1 through 15 | \$33,131.00 | \$0.00 | \$3,000.00 | \$100.00 | \$49,571.00 |
| 16 | Sub Total | \$906,966.00 | \$921,400.00 | \$998,409.00 | \$1,021,881.00 | \$942,876.00 |
| | Add/Deduct | SS Mechanical | Pascal & Ludwig | Olsson | Pacific HydroTech | Filanc |
| | | -\$23,755.00 | \$0.00 | \$0.00 | \$0.00 | \$17,200.00 |
| | TOTAL CONTRACT PRICE | \$883,211.00 | \$921,400.00 | \$998,409.00 | \$1,021,881.00 | \$960,076.00 |

**EXHIBIT A
 BID SUMMARY
 STATEMENTS BY BIDDER**

| | Suppliers | SS Mechanical | Pascal & Ludwig | Olsson | Pacific HydroTech | Filanc |
|--|--|----------------------|----------------------------|----------------------|--------------------------|----------------------|
| | Horizontal Centrifugal Pump | Cornell | Cornell | Cornell | Grundfos | Cornell |
| | Mechanical Mixer | EnviroPax | Khemineer | Anco/EnviroPax | Chemineer | Chemineer |
| | Pneumatically Actuated Butterfly Valve | Bray | Bray | Bray | Bray | Bray |
| | Butterfly Valve | Mueller | Pratt | Pratt | Pratt | Dezurik |
| | Check Valve | Mueller | Pratt | Pratt | Pratt | Apco |
| | Variable Frequency Dr | Toshiba | Toshiba | Toshiba | Toshiba | Toshiba |
| | Motor Control Center | Allen Bradley | Allen Bradley | Allen Bradley | Allen Bradley | Allen Bradley |
| | Ultrasonic Liquid Level Transmitter | Hydro Ranger | Siemens | Siemens | Siemens | Siemens |
| | | | | | | |
| | Subcontractors | SS Mechanical | Pascal & Ludwig | Olsson | Pacific HydroTech | Filanc |
| | Electrical | Hydrotech Electrical | Hydrotech Electrical | Hydrotech Electrical | Hydrotech Electrical | Hydrotech Electrical |
| | Coating | Parada Painting | Parada Painting | Parada Painting | Parada Painting | Parada Painting |

Exhibit B
Project Cost Ledger: Coastal Treatment Plant
Tertiary Upgrade Project
(Millions)

| | Chlorine Contact Basins Mixers | Applied Water VFDs | MCC A Replace- ment | AWT Filter Upgrade | Total |
|--|--------------------------------------|-----------------------|---------------------------|-----------------------|--------------|
| Budget (2018/19) | 0.125 | 0.230 | 0.200 | 0.535 | 1.090 |
| <u>Budget Task Codes</u> | 3364-000 | 3596-000 | 3365-000 | 3366-000 | |
| | | | | | |
| <u>Actual Bid Costs-Constr.</u> | 0.053 | 0.146 | 0.194 | 0.490 | 0.883 |
| <u>Construction Change Orders</u> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| <u>Previous Costs (Prior Construct and Design)</u> | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Contingency | 0.072 | 0.074 | -0.009 | 0.020 | 0.157 |
| Construction Services | 0.000 | 0.010 | 0.015 | 0.025 | 0.050 |
| Total Project Costs | 0.125 | 0.230 | 0.200 | 0.535 | 1.090 |
| | | | | | |
| <u>Spending</u> | | | | | |
| Total Current Spending | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Remaining Spending | (0.125) | (0.230) | (0.200) | (0.535) | (1.090) |
| Remaining Budget | 0.125 | 0.230 | 0.200 | 0.535 | 1.090 |

Agenda Item

Legal Counsel Review: N/A

Meeting Date: October 4, 2018

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Mary Carey, Finance Controller
SUBJECT: Approval of FY 2016-17 Use Audit (Final)

Summary

The Finance Committee and the Board of Directors received the draft FY 2016-17 Use Audit in early December 2017. The Finance Committee considered member agency staff comments to the draft Use Audit on December 11, 2017. Several items were discussed at that time including:

- Use Audit includes addition of Capital Assets placed in service
- Effluent Pump Station costs for JBL are within PC 2 Liquids (policy decision of the Board within the Assumptions of the FY '17-'18 Budget)
- Adjustment to outfall flows for PC 5
- MNWD/SMWD requested additional time to review the distribution of Oso/Trabuco flows to the JBL Plant (PC 2)

Additionally, the Finance Committee and the Board of Directors again considered the approval of the 2016-17 Use Audit in March/April 2018. Several additional directions were included from the member agencies, including:

- Cost redistribution based on flow and solids as directed for the Oso Trabuco sewer line (by member agencies Santa Margarita Water District and Moulton Niguel Water District)
- Correction to the FY 2016-17 Use Audit made to redistribute PC 24 cost

At that time, MNWD again requested the approval remain in abeyance while staff investigated options and the Board considered policies for the distribution of Unfunded Liabilities ("Unfunded Liabilities" meaning PERS UAL, OPEB and Compensated Absences).

In the intervening time period work has proceeded on the options for allocation of Unfunded Liabilities.

At the August 29, 2018 Finance Committee meeting, the majority of the committee supported an approach to the distribution of Unfunded Liabilities based on percentages determined by historical labor distributions. This method is recommended by outside consultants Bartel & Associates and Nyhart ("Actuaries"). The Actuaries recommendation was also presented to the SOCWA Board of Directors for consideration of approval at the September 6, 2018 Board meeting. MNWD requested additional time to review with its Board of Directors the Actuaries recommendation due to the financial impact to MNWD.

At the September 6, 2018 Board meeting direction was given to staff to proceed to bring back the FY 2016-17 Use Audit, and to present the FY 2017-18 Use Audit continuing the approach to Unfunded Liabilities used in prior period Use Audits (since 2015-16) which would include all PERS, OPEB and Compensated Absences incurred payments in the fringe pool approach. As the member agencies are aware, the fringe pool is distributed based on annual distribution of labor across project committees with administration labor charged via the administration budget distribution, and a portion of that through the general fund distribution as approved by the Board with the annual budget (detailed in the Budget Assumptions portion of the Budget documents).

The Finance Committee considered the FY2016-17 Use Audit again at its September 19, 2018 meeting, and without additional changes recommends to the Board of Directors approval of the Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the FY 2016-17 Use Audit as presented.

Recommendation

The Finance Committee recommends to the Board of Directors approval of the Use Audit and collection from and payments to SOCWA member agencies consistent with the results of the FY 2016-17 Use Audit as submitted.



South Orange County Wastewater Authority
USE AUDIT BOOK - FINAL
FY 2016-17 Budget vs. Actual
Finance Committee Meeting September 19, 2018
Board Meeting October 4, 2018



**South Orange County Wastewater Authority
USE AUDIT Book
FY 2016-17 Budget vs. Actual**

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

MANAGEMENT'S DISCUSSION AND ANALYSIS of FY 2016-17 USE AUDIT

| | Actual Spending and Actual Usage | | | | | USE Audit Results |
|--------------------------------|----------------------------------|---------------------------|---------------------|---------------------|---------------------|-------------------|
| | O&M | | Small Capital | Large Capital | | |
| | FY 2016-17 Budget | Updated FY 2016-17 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | |
| SOCWA by Member Agency | | | | | | |
| City of Laguna Beach | 2,229,832 | 1,984,598 | 245,234 | (19,660) | | 225,574 |
| City of San Clemente | 115,988 | 135,201 | (19,213) | (881) | | (20,094) |
| City of San Juan Capistrano | 2,398,516 | 1,995,575 | 402,941 | (19,774) | 15,171 | 398,339 |
| El Toro Water District | 954,336 | 728,928 | 225,408 | (6,140) | | 219,268 |
| Emerald Bay Service District | 90,156 | 81,796 | 8,360 | (1,463) | | 6,897 |
| Irvine Ranch Water District | 193,396 | 147,885 | 45,511 | (576) | | 44,935 |
| Moulton Niguel Water District | 8,341,244 | 8,275,402 | 65,842 | (77,123) | 11,159 | (122) |
| Santa Margarita Water District | 1,881,532 | 2,064,755 | (183,223) | (11,648) | 11,406 | (183,465) |
| South Coast Water District | 3,391,852 | 3,491,792 | (99,940) | (7,541) | 12,195 | (95,287) |
| Trabuco Canyon Water District | 26,900 | 22,776 | 4,124 | | | 4,124 |
| Total Member Agency | 19,623,752 | 18,928,708 | 695,044 | (144,805) | 49,931 | 600,170 |

The USE AUDIT results are comprised of:

- O&M Spending and/or Usage Variance, \$695 thousand, or 3.5% under budget
- Small Capital Spending Variance, \$145 thousand over budget, primarily due to the purchase of IT Equipment, Business Servers, \$114 thousand, which was approved at the May 2017 Board Meeting. The remaining \$32 thousand difference was due to a combination of emergency equipment replacements and required storm water site improvements.
- Completed Large Capital Projects, \$49 thousand under budget
- Net Refund Due is \$600 thousand.

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



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- Moulton Niguel Water District O&M variance is \$66 thousand under budget due to increased/over budget usage totaling \$190 thousand (see chart below) offset by reduced spending.
- City of San Juan Capistrano O&M variance is \$403 thousand under budget primarily due to lower/under budget usage totaling \$408 thousand (see chart below).
- City of Laguna Beach O&M variance is \$245 thousand under budget primarily due to lower/under budget usage totaling \$41 thousand (see chart below) and reduced spending.
- El Toro Water District O&M variance is \$225 thousand under budget primarily due to lower/under budget usage totaling \$119 thousand (see chart below) and reduced spending.
- South Coast Water District O&M variance is \$100 thousand over budget primarily due to increased/ over budget usage totaling \$181 thousand (see chart below) offset by reduced spending.
- Irvine Ranch Water District O&M variance is \$46 thousand under budget due to increased/ over budget usage totaling \$3 thousand (see chart below) offset by reduced spending.
- City of San Clemente O&M variance is \$19 thousand over budget due to increased/ over budget usage totaling \$4 thousand (see chart below) with the remainder due to increased spending.

Calculation of Usage Variance:

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

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

| O&M Usage Variance by Member Agency | (Used More)/ Used Less \$ |
|-------------------------------------|------------------------------|
| SOCWA by Member Agency | |
| City of Laguna Beach | 40,647 |
| City of San Clemente | (4,154) |
| City of San Juan Capistrano | 408,116 |
| El Toro Water District | 118,573 |
| Emerald Bay Service District | 3,460 |
| Irvine Ranch Water District | (2,742) |
| Moulton Niguel Water District | (190,011) |
| Santa Margarita Water District | (190,609) |
| South Coast Water District | (180,856) |
| Trabuco Canyon Water District | (2,423) |
| Total Member Agency | 0 |



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PC 2

The Project Committee was \$60 thousand under budget.

PC 2 (Refer to page 12)

Budget vs. Actual Spending:

| Member Agency | Liquids | | | Solids | | |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| City of San Juan Capistrano | 771,920 | 717,616 | 54,304 | 810,960 | 556,976 | 253,984 |
| Moulton Niguel Water District | 338,860 | 473,628 | (134,768) | 489,776 | 424,490 | 65,286 |
| Santa Margarita Water District | 435,500 | 478,452 | (42,952) | 629,712 | 767,736 | (138,024) |
| South Coast Water District | 484,032 | 575,512 | (91,480) | 499,020 | 520,652 | (21,632) |
| Total | 2,030,312 | 2,245,208 | (214,896) | 2,429,468 | 2,269,854 | 159,614 |
| | | | -10.6% | | | 6.6% |

Budget vs. Actual Usage:

| Member Agency | Liquids | | | Solids | | |
|--------------------------------|---------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of San Juan Capistrano | 38.0% | 31.96% | 6.1% | 33.4% | 24.54% | 8.8% |
| Moulton Niguel Water District | 16.7% | 21.10% | -4.4% | 20.2% | 18.70% | 1.5% |
| Santa Margarita Water District | 21.4% | 21.31% | 0.1% | 25.9% | 33.82% | -7.9% |
| South Coast Water District | 23.8% | 25.63% | -1.8% | 20.5% | 22.94% | -2.4% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

Liquids Variance:

- Liquids spending variance was \$215 thousand or 10.6% over budget due to increased activity
- MNWD usage was up 4.4% resulting in \$135 thousand additional assessments
- CSJC usage was down 6.1% resulting in a refund of \$54 thousand
- SCWD usage was up 1.8% resulting in \$91 thousand additional assessments
- SMWD had a slight reduction in usage, .1%, however, an additional assessment of \$43 thousand is due because of increased spending.

Solids Variance:

- Solids spending variance was \$160 thousand or 6.6% under budget due to less activity
- MNWD usage was down 1.5% resulting in a refund of \$65 thousand
- SMWD usage was up 7.9 % resulting in additional assessments of \$138 thousand
- SCWD usage was up 2.4% resulting in additional assessments of \$22 thousand
- CSJC usage was down 8.8% resulting in \$254 thousand refund.



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PC 2 Cont'd.

Common Spending Variance is \$116 thousand under budget.

| | Common - Liquids | | | Common - Solids | | |
|--------------------------------|------------------|----------------|---------------|-----------------|----------------|---------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| Member Agency | | | | | | |
| City of San Juan Capistrano | 200,880 | 183,100 | 17,780 | 195,896 | 178,496 | 17,400 |
| Moulton Niguel Water District | 150,692 | 137,336 | 13,356 | 141,156 | 128,652 | 12,504 |
| Santa Margarita Water District | 188,300 | 102,936 | 85,364 | 130,592 | 168,868 | (38,276) |
| South Coast Water District | 113,040 | 171,680 | (58,640) | 185,292 | 119,024 | 66,268 |
| Total | 652,912 | 595,052 | 57,860 | 652,936 | 595,040 | 57,896 |

| | Spending Variance | | | Spending Variance | | |
|------------------------------------|-------------------|---------------|-------------|-------------------|---------------|-------------|
| | Common - Liquids | | | Common - Solids | | |
| Member Agency | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of San Juan Capistrano | 30.8% | 30.8% | 0.0% | 30.0% | 30.0% | 0.0% |
| Moulton Niguel Water District | 23.1% | 23.1% | 0.0% | 21.6% | 21.6% | 0.0% |
| *Santa Margarita Water District | 28.8% | 17.3% | 11.5% | 20.0% | 28.4% | -8.4% |
| *South Coast Water District | 17.3% | 28.9% | -11.5% | 28.4% | 20.0% | 8.4% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |
| No Change in Allocation %'s | | | | | | |

*Santa Margarita Water District and South Coast Water District Common-Liquids and Common-Solids capacity percentages were switched in the Budget; the Use Audit percentages are correct and the (over) and under billed amounts are corrected in the Use Audit results.

**PC 15
 Budget vs. Actual Spending:**

| | Liquids | | | Common Liquids | | | AWT | | |
|-------------------------------|------------------|------------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| Member Agency | | | | | | | | | |
| City of Laguna Beach | 1,079,024 | 879,400 | 199,624 | 323,856 | 340,840 | (16,984) | | | |
| Emerald Bay Service District | 33,648 | 24,836 | 8,812 | 25,528 | 26,876 | (1,348) | | | |
| Moulton Niguel Water District | 0 | 0 | 0 | 249,928 | 263,019 | (13,091) | | | |
| South Coast Water District | 667,616 | 586,272 | 81,344 | 255,040 | 268,372 | (13,332) | 295,768 | 334,792 | (39,024) |
| Total | 1,780,288 | 1,490,508 | 289,780 | 854,352 | 899,107 | (44,755) | 295,768 | 334,792 | (39,024) |
| | | | 16.3% | | | -5.2% | | | -13.2% |

Budget vs. Actual Usage:

| | Liquids | | | Common Liquids | | | AWT | | |
|-------------------------------|---------------|---------------|-------------|----------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| Member Agency | | | | | | | | | |
| City of Laguna Beach | 60.6% | 59.0% | 1.6% | 37.9% | 37.9% | 0.0% | 0.0% | 0.0% | 0.0% |
| Emerald Bay Service District | 1.9% | 1.7% | 0.2% | 3.0% | 3.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Moulton Niguel Water District | 0.0% | 0.0% | 0.0% | 29.3% | 29.3% | 0.0% | 0.0% | 0.0% | 0.0% |
| South Coast Water District | 37.5% | 39.3% | -1.8% | 29.9% | 29.8% | 0.0% | 100.0% | 100.0% | 0.0% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

Liquids Variance:

- Liquids spending variance is \$290 thousand or 16.3% under budget.
- CLB Usage is 1.6% under budget resulting in a refund of \$200 thousand
- SCWD Usage is 1.8% over budget but a refund of \$81 thousand is due because of lower spending.

Common Variance:

- The variance, \$45 thousand over budget, is primarily due to increased spending for IT direct, SCADA system upgrades due to obsolescence, landscaping and insurance.

PC 17

Budget vs. Actual Spending:

| | Liquids | | | Solids | | | AWT | | |
|-------------------------------|------------------|------------------|--------------|------------------|------------------|----------------|----------------|----------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| Member Agency | | | | | | | | | |
| City of Laguna Beach | 3,444 | 3,156 | 288 | 448,392 | 383,616 | 64,776 | 0 | 0 | 0 |
| El Toro Water District | 4,052 | 3,640 | 412 | 559,900 | 430,152 | 129,748 | 0 | 0 | 0 |
| Emerald Bay Service District | 192 | 100 | 92 | 13,856 | 11,832 | 2,024 | 0 | 0 | 0 |
| Moulton Niguel Water District | 2,014,484 | 2,009,461 | 5,023 | 2,162,696 | 1,983,112 | 179,584 | 536,940 | 540,472 | (3,532) |
| South Coast Water District | 2,028 | 2,096 | (68) | 277,692 | 265,060 | 12,632 | 0 | 0 | 0 |
| Total | 2,024,200 | 2,018,453 | 5,747 | 3,462,536 | 3,073,772 | 388,764 | 536,940 | 540,472 | (3,532) |
| | | | 0.3% | | | 11.2% | | | -0.7% |

Budget vs. Actual Usage:

| | Liquids | | | Solids | | | Spending Variance | | |
|-------------------------------|---------------|---------------|-------------|---------------|---------------|-------------|-------------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| Member Agency | | | | | | | | | |
| City of Laguna Beach | 0.2% | 0.2% | 0.0% | 12.9% | 12.5% | 0.5% | | | 0.0% |
| El Toro Water District | 0.2% | 0.2% | 0.0% | 16.2% | 14.0% | 2.2% | | | 0.0% |
| Emerald Bay Service District | 0.0% | 0.0% | 0.0% | 0.4% | 0.4% | 0.0% | | | 0.0% |
| Moulton Niguel Water District | 99.5% | 99.6% | 0.0% | 62.5% | 64.5% | -2.1% | 100.0% | 100.0% | 0.0% |
| South Coast Water District | 0.1% | 0.1% | 0.0% | 8.0% | 8.6% | -0.6% | | | 0.0% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

Liquids Variance:

- Liquids spending is \$5,747 or .3% under budget
- MNWD received most of the benefits of the lower spending, \$5,023, since its participation percentage is 99.6%.

Solids Variance:

- Solids spending is \$389 thousand or 11.2% under budget
- MNWD Usage is 2.1% over budget, however, a refund is due because of lower spending
- The remaining agencies refunds are due to lower usage and spending

AWT Variance:

- AWT spending is \$3,532 or .7% over budget.



South Orange County Wastewater Authority
 34156 Del Obispo Street, Dana Point CA. 92629
 Phone: (949) 234-5400 Fax: (949) 489-0130

PC 17 Cont'd.

Common spending variance is \$57 thousand under budget.

| | Common Liquids | | | Common Solids | | |
|-------------------------------|----------------|----------------|---------------|----------------|----------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| Member Agency | | | | | | |
| City of Laguna Beach | 0 | 0 | 0 | 59,832 | 60,436 | (604) |
| El Toro Water District | 0 | 0 | 0 | 108,860 | 109,944 | (1,084) |
| Emerald Bay Service District | 0 | 0 | 0 | 3,144 | 3,168 | (24) |
| Moulton Niguel Water District | 681,988 | 619,876 | 62,112 | 313,692 | 316,908 | (3,216) |
| South Coast Water District | 0 | 0 | 0 | 47,788 | 48,272 | (484) |
| Total | 681,988 | 619,876 | 62,112 | 533,316 | 538,728 | (5,412) |
| | | | 9.1% | | | -1.0% |

| | Spending Variance | | | Spending Variance | | |
|-------------------------------|-------------------|---------------|-------------|-------------------|---------------|-------------|
| | Common Liquids | | | Common Solids | | |
| | Budget | Actual | Variance | Budget | Actual | % Variance |
| Member Agency | | | | | | |
| City of Laguna Beach | 0.0% | 0.0% | 0.0% | 11.2% | 11.2% | 0.0% |
| El Toro Water District | 0.0% | 0.0% | 0.0% | 20.4% | 20.4% | 0.0% |
| Emerald Bay Service District | 0.0% | 0.0% | 0.0% | 0.6% | 0.6% | 0.0% |
| Moulton Niguel Water District | 100.0% | 100.0% | 0.0% | 58.8% | 58.8% | 0.0% |
| South Coast Water District | 0.0% | 0.0% | 0.0% | 9.0% | 9.0% | 0.0% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

**South Orange County Wastewater Authority
FY 2016-17 USE AUDIT Summary**

| Actual Spending and Actual Usage | | | | | |
|---|----------------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | |
| FY 2016-17 Budget | Updated FY 2016-17 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | USE Audit Results |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 2,229,832 | 1,984,598 | 245,234 | (19,660) | 225,574 |
| City of San Clemente | 115,988 | 135,201 | (19,213) | (881) | (20,094) |
| City of San Juan Capistrano | 2,398,516 | 1,995,575 | 402,941 | (19,774) | 398,339 |
| El Toro Water District | 954,336 | 728,928 | 225,408 | (6,140) | 219,268 |
| Emerald Bay Service District | 90,156 | 81,796 | 8,360 | (1,463) | 6,897 |
| Irvine Ranch Water District | 193,396 | 147,885 | 45,511 | (576) | 44,935 |
| Moulton Niguel Water District | 8,341,244 | 8,275,402 | 65,842 | (77,123) | (122) |
| Santa Margarita Water District | 1,881,532 | 2,064,755 | (183,223) | (11,648) | (183,465) |
| South Coast Water District | 3,391,852 | 3,491,792 | (99,940) | (7,541) | (95,287) |
| Trabuco Canyon Water District | 26,900 | 22,776 | 4,124 | | 4,124 |
| Total Member Agency | 19,623,752 | 18,928,708 | 695,044 | (144,805) | 49,931 |

| Actual Spending and Budget Usage | | | | | |
|---|-------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | Total |
| FY 2016-17 Budget | FY 2016-17 | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | USE Audit Results |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 2,229,832 | 2,025,245 | 204,587 | (19,660) | 184,926 |
| City of San Clemente | 115,988 | 131,048 | (15,060) | (881) | (15,940) |
| City of San Juan Capistrano | 2,398,516 | 2,403,690 | (5,174) | (19,774) | (9,777) |
| El Toro Water District | 954,336 | 847,501 | 106,835 | (6,140) | 100,696 |
| Emerald Bay Service District | 90,156 | 85,256 | 4,900 | (1,463) | 3,437 |
| Irvine Ranch Water District | 193,396 | 145,143 | 48,253 | (576) | 47,677 |
| Moulton Niguel Water District | 8,341,244 | 8,085,391 | 255,853 | (77,123) | 189,889 |
| Santa Margarita Water District | 1,881,532 | 1,874,146 | 7,386 | (11,648) | 7,144 |
| South Coast Water District | 3,391,852 | 3,310,936 | 80,916 | (7,541) | 85,569 |
| Trabuco Canyon Water District | 26,900 | 20,353 | 6,547 | - | 6,547 |
| Total Member Agency | 19,623,752 | 18,928,709 | 695,043 | (144,805) | 49,931 |

| Usage Variance (Used More)/Used Less | | | | | |
|---|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | Total |
| FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | USE Audit Results |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 40,647 | | | | |
| City of San Clemente | (4,154) | | | | |
| City of San Juan Capistrano | 408,116 | | | | |
| El Toro Water District | 118,573 | | | | |
| Emerald Bay Service District | 3,460 | | | | |
| Irvine Ranch Water District | (2,742) | | | | |
| Moulton Niguel Water District | (190,011) | | | | |
| Santa Margarita Water District | (190,609) | | | | |
| South Coast Water District | (180,856) | | | | |
| Trabuco Canyon Water District | (2,423) | | | | |
| Total Member Agency | | | | | |

**South Orange County Wastewater Authority
FY 2016-17 USE AUDIT Summary**

| PC 2 Flows and Solids Change | | | PC 24 Cost Distribution Correction | |
|------------------------------|---------------------|-------------------------|------------------------------------|-------------------------|
| Original O&M Actual | PC 2 Change Only | Member Agency Impact | Original O&M Actual | Member Agency Impact |
| 1,958,644 | 1,958,644 | | 1,958,644 | 25,954 |
| 135,201 | 135,201 | | 135,201 | 0 |
| 1,995,575 | 1,995,575 | | 1,995,575 | 0 |
| 695,114 | 695,114 | | 695,114 | 33,814 |
| 81,061 | 81,061 | | 81,061 | 735 |
| 260,392 | 260,392 | | 260,392 | (112,507) |
| 8,425,530 | 8,233,021 | 192,509 | 8,233,021 | 42,381 |
| 1,872,246 | 2,064,755 | (192,509) | 2,064,755 | 0 |
| 3,482,170 | 3,482,170 | | 3,482,170 | 9,622 |
| 22,776 | 22,776 | | 22,776 | 0 |
| 18,928,709 | 18,928,709 | 0 | 18,928,709 | (0) |

**South Orange County Wastewater Authority
FY 2016-17 USE AUDIT BY MEMBER AGENCY**

| | O&M | | | |
|--------------------------------|----------------------|----------------------|------------------------|---------------|
| | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
| Member Agency | | | | |
| City of Laguna Beach | 1,984,456 | 1,739,148 | 245,308 | 87.6% |
| City of San Clemente | 103,224 | 118,480 | (15,256) | 114.8% |
| City of San Juan Capistrano | 2,134,580 | 1,748,767 | 385,813 | 81.9% |
| El Toro Water District | 849,324 | 638,776 | 210,548 | 75.2% |
| Emerald Bay Service District | 80,236 | 71,680 | 8,556 | 89.3% |
| Irvine Ranch Water District | 172,116 | 129,595 | 42,521 | 75.3% |
| Moulton Niguel Water District | 7,423,356 | 7,251,921 | 171,435 | 97.7% |
| Santa Margarita Water District | 1,674,484 | 1,809,391 | (134,907) | 108.1% |
| South Coast Water District | 3,018,608 | 3,059,936 | (41,328) | 101.4% |
| Trabuco Canyon Water District | 23,940 | 19,959 | 3,981 | 83.4% |
| Total Member Agency | 17,464,324 | 16,587,653 | 876,671 | 95.0% |
| Residual Engineering | 297,000 | 344,018 | (47,018) | 115.8% |
| Administration & Other Costs | 1,862,436 | 1,997,037 | (134,601) | 107.2% |
| Total Admin & Engineering | 2,159,436 | 2,341,055 | (181,619) | 108.4% |

Member Agency Admin Allocation (Percentage)

| | | | |
|--------------------------------|---------------|---------------|-------------|
| City of Laguna Beach | 11.4% | 10.5% | 0.9% |
| City of San Clemente | 0.6% | 0.7% | -0.1% |
| City of San Juan Capistrano | 12.2% | 10.5% | 1.7% |
| El Toro Water District | 4.9% | 3.9% | 1.0% |
| Emerald Bay Service District | 0.5% | 0.4% | 0.0% |
| Irvine Ranch Water District | 1.0% | 0.8% | 0.2% |
| Moulton Niguel Water District | 42.5% | 43.7% | -1.2% |
| Santa Margarita Water District | 9.6% | 10.9% | -1.3% |
| South Coast Water District | 17.3% | 18.4% | -1.2% |
| Trabuco Canyon Water District | 0.1% | 0.1% | 0.0% |
| Total Member Agency | 100.0% | 100.0% | 0.0% |

Member Agency Admin Allocation (Dollars)

| | | | | |
|--------------------------------|------------------|------------------|------------------|---------------|
| City of Laguna Beach | 245,375 | 245,450 | (75) | 100.0% |
| City of San Clemente | 12,763 | 16,721 | (3,958) | 131.0% |
| City of San Juan Capistrano | 263,937 | 246,808 | 17,130 | 93.5% |
| El Toro Water District | 105,018 | 90,152 | 14,866 | 85.8% |
| Emerald Bay Service District | 9,921 | 10,116 | (195) | 102.0% |
| Irvine Ranch Water District | 21,282 | 18,290 | 2,992 | 85.9% |
| Moulton Niguel Water District | 917,886 | 1,023,481 | (105,595) | 111.5% |
| Santa Margarita Water District | 207,047 | 255,364 | (48,316) | 123.3% |
| South Coast Water District | 373,246 | 431,856 | (58,610) | 115.7% |
| Trabuco Canyon Water District | 2,960 | 2,817 | 143 | 95.2% |
| Total Member Agency | 2,159,436 | 2,341,055 | (181,619) | 108.4% |

SOCWA by Member Agency (O&M + Admin + Engineering)

| | | | | |
|--------------------------------|-------------------|-------------------|----------------|--------------|
| City of Laguna Beach | 2,229,831 | 1,984,598 | 245,233 | 89.0% |
| City of San Clemente | 115,987 | 135,201 | (19,214) | 116.6% |
| City of San Juan Capistrano | 2,398,517 | 1,995,575 | 402,943 | 83.2% |
| El Toro Water District | 954,342 | 728,928 | 225,414 | 76.4% |
| Emerald Bay Service District | 90,157 | 81,796 | 8,361 | 90.7% |
| Irvine Ranch Water District | 193,398 | 147,885 | 45,513 | 76.5% |
| Moulton Niguel Water District | 8,341,242 | 8,275,402 | 65,840 | 99.2% |
| Santa Margarita Water District | 1,881,531 | 2,064,755 | (183,223) | 109.7% |
| South Coast Water District | 3,391,854 | 3,491,792 | (99,938) | 102.9% |
| Trabuco Canyon Water District | 26,900 | 22,776 | 4,124 | 84.7% |
| Total Member Agency | 19,623,760 | 18,928,708 | 695,052 | 96.5% |

Billing Rounding Difference

(8)

(8)

Amount Invoiced

19,623,752

695,044

**South Orange County Wastewater Authority
FY 2016-17 USE AUDIT by Project Committee and Member Agency**

| City of | City of San Clemente | | City of San Juan Capistrano | | El Toro | | Emerald Bay Service | | Irvine Ranch Water | | Moulton Niguel Water | | Santa Margarita Water District | | South Coast Water District | | Trabuco Canyon Water District | | Total |
|-----------|----------------------|--------------|-----------------------------|---------|----------------|----------------------|---------------------|----------------|-----------------------|--------------------------|----------------------|-----------------------|--------------------------------|----------------|----------------------------|----------------|-------------------------------|----------------|-------|
| | Laguna Beach | San Clemente | Capistrano | Juan | Water District | Bay Service District | Water District | Water District | Niguel Water District | Margarita Water District | Coast Water District | Canyon Water District | Water District | Water District | Water District | Water District | Water District | Water District | |
| - | - | - | 1,636,188 | - | - | - | - | - | - | - | 1,164,106 | 1,517,992 | 1,386,868 | - | - | 5,705,154 | - | - | 4,557 |
| - | - | - | - | - | - | - | - | - | - | - | 4,149 | 408 | - | - | - | 549,845 | - | - | 4,557 |
| - | 105,256 | 85,963 | - | - | - | - | - | - | - | - | 89,900 | 193,549 | 75,177 | - | - | 549,845 | - | - | 4,557 |
| 6,024 | 13,224 | 7,028 | 4,020 | 1,840 | 18,232 | 35,427 | 38,308 | 26,060 | 150,163 | 195,252 | 22,019 | 19,959 | 2,724,407 | - | - | 6,791,301 | - | - | 1,336 |
| - | - | - | 19,588 | - | - | 51,712 | - | - | - | - | 263,019 | - | - | - | - | 1,189,436 | - | - | 1,336 |
| 1,220,240 | - | - | - | 543,736 | 15,100 | - | - | - | - | - | 5,469,829 | - | - | - | - | 315,428 | - | - | 1,336 |
| 447,208 | - | - | 548 | - | - | - | - | - | - | - | 240 | - | - | - | - | - | - | - | 1,336 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 65,676 | - | - | 90,472 | 3,028 | 89,440 | 172,074 | - | - | - | - | 44,948 | - | - | - | - | - | - | - | - |
| 1,739,148 | 118,480 | 1,748,767 | 638,776 | 71,680 | 129,595 | 7,251,921 | 1,809,391 | 3,059,936 | 19,959 | 16,587,653 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 |
| 245,450 | 16,721 | 246,808 | 90,152 | 10,116 | 18,290 | 1,023,481 | 255,364 | 431,856 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 | 2,341,055 | 2,817 |

Total Admin & Engineering

Admin Allocation to Project Committees:

| Project Committee | City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro | Emerald Bay Service | Irvine Ranch Water | Moulton Niguel Water | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|---|----------------------|----------------------|-----------------------------|---------------|---------------------|--------------------|----------------------|--------------------------------|----------------------------|-------------------------------|---------------|
| PC 2 - Jay B. Latham Plant | 0.0% | 0.0% | 93.6% | 0.0% | 0.0% | 0.0% | 16.1% | 83.9% | 45.3% | 0.0% | 34.4% |
| PC 3 - SOCWA Plant/PCA AWT | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% |
| PC 5 - San Juan Creek Ocean Outfall | 0.0% | 88.8% | 4.9% | 0.0% | 0.0% | 0.0% | 1.2% | 10.7% | 2.5% | 0.0% | 3.3% |
| PC 8 - Pretreatment Program | 0.3% | 11.2% | 0.4% | 0.6% | 2.6% | 14.1% | 0.5% | 2.1% | 0.9% | 0.0% | 0.9% |
| PC 12 SO - Water Reclamation Permits | 0.0% | 0.0% | 1.1% | 0.0% | 0.0% | 16.5% | 0.7% | 3.3% | 0.7% | 100.0% | 1.2% |
| PC 15 - Coastal Treatment Plant/AWT | 70.2% | 0.0% | 0.0% | 0.0% | 72.1% | 0.0% | 3.6% | 0.0% | 38.9% | 0.0% | 16.4% |
| PC 17 - Joint Regional Wastewater Reclamation | 25.7% | 0.0% | 0.0% | 85.1% | 21.1% | 0.0% | 75.4% | 0.0% | 10.3% | 0.0% | 40.9% |
| PC 21 Effluent Transmission Main | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| PC 24 - Aliso Creek Ocean Outfall | 3.8% | 0.0% | 0.0% | 14.2% | 4.2% | 69.0% | 2.4% | 0.0% | 1.5% | 0.0% | 2.8% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Admin Allocation to Project Committees:

| Project Committee | City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro | Emerald Bay Service | Irvine Ranch Water | Moulton Niguel Water | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|---|----------------------|----------------------|-----------------------------|---------------|---------------------|--------------------|----------------------|--------------------------------|----------------------------|-------------------------------|------------------|
| PC 2 - Jay B. Latham Plant | - | - | 230,919 | - | - | - | 164,293 | 214,238 | 195,732 | - | 805,182 |
| PC 3 - SOCWA Plant/PCA AWT | - | - | - | - | - | - | 586 | 58 | - | - | 643 |
| PC 5 - San Juan Creek Ocean Outfall | - | 14,855 | 12,132 | - | - | - | 12,688 | 27,316 | 10,610 | - | 77,601 |
| PC 8 - Pretreatment Program | 850 | 1,866 | 992 | 567 | 260 | 2,573 | 5,000 | 5,406 | 3,678 | - | 21,193 |
| PC 12 SO - Water Reclamation Permits | - | - | 2,765 | - | - | 3,017 | 7,505 | 8,346 | 3,108 | 2,817 | 27,556 |
| PC 15 - Coastal Treatment Plant/AWT | 172,215 | - | - | - | 7,298 | - | 37,121 | - | 167,868 | - | 384,502 |
| PC 17 - Joint Regional Wastewater Reclamation | 63,116 | - | - | 76,739 | 2,131 | - | 771,970 | - | 44,517 | - | 988,472 |
| PC 21 Effluent Transmission Main | - | - | - | 77 | - | 77 | 34 | - | - | - | 189 |
| PC 24 - Aliso Creek Ocean Outfall | 9,269 | - | - | 12,769 | 427 | 12,623 | 24,285 | - | 6,344 | - | 65,717 |
| Total | 245,450 | 16,721 | 246,808 | 90,152 | 10,116 | 18,290 | 1,023,481 | 255,364 | 431,856 | 2,817 | 2,341,055 |

**South Orange County Wastewater Authority
FY 2016-17 USE AUDIT by Project Committee and Member Agency**

| City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|-------------------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|-------------------|
| | | | | | | | | | | |
| - | - | 1,867,107 | - | - | - | 1,328,399 | 1,732,230 | 1,582,600 | - | 6,510,336 |
| - | - | - | - | - | - | 4,735 | 466 | - | - | 5,200 |
| - | 120,111 | 98,095 | - | - | - | 102,588 | 220,865 | 85,787 | - | 627,446 |
| 6,874 | 15,090 | 8,020 | 4,587 | 2,100 | 20,805 | 40,427 | 43,714 | 29,738 | - | 171,356 |
| - | - | 22,353 | - | - | 24,392 | 60,682 | 67,480 | 25,127 | 22,776 | 222,808 |
| 1,392,455 | - | - | - | 59,010 | - | 300,140 | - | 1,357,304 | - | 3,108,909 |
| 510,324 | - | - | 620,475 | 17,231 | - | 6,241,799 | - | 359,945 | - | 7,749,773 |
| - | - | - | 625 | - | 625 | 274 | - | - | - | 1,525 |
| 74,945 | - | - | 103,241 | 3,455 | 102,063 | 196,359 | - | 51,292 | - | 531,355 |
| 1,984,598 | 135,201 | 1,995,575 | 728,928 | 81,796 | 147,885 | 8,275,402 | 2,064,755 | 3,491,792 | 22,776 | 18,928,708 |

USE AUDIT by Project Committee & Member Agency

| Project Committee | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|---|-----------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------------------|----------------------------|-------------------------------|-------------------|
| PC 2 - Jay B. Latham Plant | 1,867,107 | - | - | - | 1,328,399 | 1,732,230 | 1,582,600 | - | 6,510,336 |
| PC 3 - SOCWA Plant/PCA AWT | - | - | - | - | 4,735 | 466 | - | - | 5,200 |
| PC 5 - San Juan Creek Ocean Outfall | 98,095 | - | - | - | 102,588 | 220,865 | 85,787 | - | 627,446 |
| PC 8 - Pretreatment Program | 8,020 | 4,587 | 2,100 | 20,805 | 40,427 | 43,714 | 29,738 | - | 171,356 |
| PC 12 SO- Water Reclamation Permits | 22,353 | - | - | 24,392 | 60,682 | 67,480 | 25,127 | 22,776 | 222,808 |
| PC 15 - Coastal Treatment Plant/AWT | - | - | 59,010 | - | 300,140 | - | 1,357,304 | - | 3,108,909 |
| PC 17 - Joint Regional Wastewater Reclamation | - | 620,475 | 17,231 | - | 6,241,799 | - | 359,945 | - | 7,749,773 |
| PC 21 Effluent Transmission Main | - | 625 | - | 625 | 274 | - | - | - | 1,525 |
| PC 24 - Aliso Creek Ocean Outfall | - | - | 3,455 | 102,063 | 196,359 | - | 51,292 | - | 531,355 |
| Total | 1,995,575 | 728,928 | 81,796 | 147,885 | 8,275,402 | 2,064,755 | 3,491,792 | 22,776 | 18,928,708 |

Budget Amount Invoiced

| Project Committee | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|---|-----------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------------------|----------------------------|-------------------------------|-------------------|
| PC 2 - Jay B. Latham Plant | 2,224,436 | - | - | - | 1,259,032 | 1,555,248 | 1,439,824 | - | 6,478,540 |
| PC 3 - SOCWA Plant/PCA AWT | - | - | - | - | - | - | - | - | - |
| PC 5 - San Juan Creek Ocean Outfall | 131,284 | - | - | - | 88,692 | 205,012 | 96,264 | - | 624,588 |
| PC 8 - Pretreatment Program | 20,580 | 11,064 | 1,332 | 13,376 | 43,764 | 46,760 | 35,080 | - | 197,160 |
| PC 12 SO- Water Reclamation Permits | 22,216 | 21,024 | - | 25,096 | 94,620 | 74,512 | 29,940 | 26,900 | 294,308 |
| PC 15 - Coastal Treatment Plant/AWT | - | - | 66,492 | - | 280,832 | - | 1,369,080 | - | 3,292,748 |
| PC 17 - Joint Regional Wastewater Reclamation | - | 756,004 | 19,316 | - | 6,415,808 | - | 368,004 | - | 8,134,068 |
| PC 21 Effluent Transmission Main | - | 40,024 | - | 40,024 | 17,128 | - | - | - | 97,176 |
| PC 24 - Aliso Creek Ocean Outfall | - | 126,220 | 3,016 | 114,900 | 141,368 | - | 53,660 | - | 505,164 |
| Total | 2,398,516 | 954,336 | 90,156 | 193,396 | 8,341,244 | 1,881,532 | 3,391,852 | 26,900 | 19,623,752 |

USE AUDIT Entry

| Project Committee | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total |
|---|-----------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------------------|----------------------------|-------------------------------|----------------|
| PC 2 - Jay B. Latham Plant | 357,329 | - | - | - | (69,367) | (176,982) | (142,776) | - | (31,796) |
| PC 3 - SOCWA Plant/PCA AWT | - | - | - | - | (4,735) | (466) | - | - | (5,200) |
| PC 5 - San Juan Creek Ocean Outfall | 33,189 | - | - | - | (13,896) | (15,853) | 10,477 | - | (2,858) |
| PC 8 - Pretreatment Program | 12,560 | 6,477 | (768) | (7,429) | 3,337 | 3,046 | 5,342 | - | 25,804 |
| PC 12 SO- Water Reclamation Permits | (137) | 21,024 | - | 704 | 33,938 | 7,032 | 4,813 | 4,124 | 71,500 |
| PC 15 - Coastal Treatment Plant/AWT | - | - | 7,482 | - | (19,308) | - | 11,776 | - | 183,839 |
| PC 17 - Joint Regional Wastewater Reclamation | - | 135,529 | 2,085 | - | 174,009 | - | 8,059 | - | 384,295 |
| PC 21 Effluent Transmission Main | - | 39,399 | - | 39,399 | 16,854 | - | - | - | 95,651 |
| PC 24 - Aliso Creek Ocean Outfall | - | 22,979 | (439) | 12,837 | (54,991) | - | 2,368 | - | (26,191) |
| Total | (19,213) | 402,941 | 8,360 | 45,511 | 65,842 | (183,223) | (99,940) | 4,124 | 695,044 |

South Orange County Wastewater Authority 2016-2017 Project Committee Detail-Actual O&M

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|-------------------------------------|------------------|---------------|--------------|----------------|------------------|------------------|----------|----------------|----------------|------------------|
| Salary and Fringe | | | | | | | | | | |
| **5000-**-**-** | 1,331,150 | 35,562 | 2,447 | 99,609 | 804,427 | 1,555,513 | - | 94,513 | 76,494 | 3,999,716 |
| Regular Salaries-O&M | | | | | | | | | | |
| **5001-**-**-** | 46,986 | 247 | - | 57 | 23,646 | 75,698 | - | 557 | - | 147,190 |
| Overtime Salaries-O&M | | | | | | | | | | |
| **5302-**-**-** | 10,634 | - | - | - | 6,775 | 6,510 | - | 2 | - | 23,922 |
| Performance Based Merit Pay | | | | | | | | | | |
| **5306-**-**-** | 9,743 | - | - | 0 | 4,434 | 10,886 | - | 53 | - | 25,116 |
| Scheduled Holiday Work | | | | | | | | | | |
| **5307-**-**-** | 436 | - | - | 3 | 121 | 432 | - | 4 | - | 996 |
| Weekend Shift Pay | | | | | | | | | | |
| **5401-**-**-** | 1,160,644 | 30,803 | 2,110 | 86,282 | 694,801 | 1,341,907 | - | 81,868 | 66,262 | 3,464,677 |
| Fringe Benefits IN to PC's & Depts. | | | | | | | | | | |
| **5700-**-**-** | 28,438 | - | - | - | 11,050 | 29,413 | - | - | - | 68,900 |
| Standby Pay | | | | | | | | | | |
| Total Payroll Costs | 2,588,031 | 66,612 | 4,557 | 185,951 | 1,545,255 | 3,020,358 | - | 176,997 | 142,756 | 7,730,517 |
| Other Expenses | | | | | | | | | | |
| **5002-**-**-** | 857,659 | - | - | 128 | 205,214 | 401,877 | - | - | - | 1,464,878 |
| Electricity | | | | | | | | | | |
| **5003-**-**-** | 51,220 | - | - | 174 | 2,320 | 86,256 | - | - | - | 139,971 |
| Natural Gas | | | | | | | | | | |
| **5004-**-**-** | 14,225 | - | - | - | 18,132 | 25,906 | - | - | - | 58,263 |
| Potable & Reclaimed Water | | | | | | | | | | |
| 17-5005-01-02-00 | - | - | - | - | - | (201,611) | - | - | - | (201,611) |
| Co-generation Power Credit | | | | | | | | | | |
| **5006-**-**-** | 15,837 | - | - | - | 64,489 | 342,270 | - | - | - | 422,596 |
| Chlorine/Sodium Hypochlorite | | | | | | | | | | |
| **5007-**-**-** | 175,489 | - | - | - | - | 331,081 | - | - | - | 506,570 |
| Polymer Products | | | | | | | | | | |
| **5008-**-**-** | 94,560 | - | - | - | 28,075 | 145,923 | - | - | - | 268,559 |
| Ferric Chloride | | | | | | | | | | |
| **5009-**-**-** | 27,421 | - | - | - | 71,550 | 49,259 | - | - | - | 148,229 |
| Odor Control Chemicals | | | | | | | | | | |
| **5010-**-**-** | 523 | - | - | - | 466 | - | - | - | - | 988 |
| Other Chemicals - Misc. | | | | | | | | | | |
| **5011-**-**-** | 10,734 | - | - | - | 8,209 | 12,170 | - | - | (1,690) | 29,423 |
| Laboratory Services | | | | | | | | | | |
| **5012-**-**-** | 46,645 | - | - | - | 24,669 | 48,816 | - | - | - | 120,131 |
| Grit Hauling | | | | | | | | | | |
| **5013-**-**-** | 33,144 | - | - | - | 76,352 | 89,872 | - | - | - | 199,368 |
| Landscaping - Misc. | | | | | | | | | | |
| **5014-**-**-** | 7,564 | - | - | 2,594 | 7,196 | 82,277 | 800 | 3,394 | - | 103,825 |
| Engineering - Misc. | | | | | | | | | | |
| **5015-**-**-** | 34,159 | 2,400 | - | 19,520 | 6,117 | 14,924 | - | 17,920 | - | 95,040 |
| Management Support Services | | | | | | | | | | |
| **5017-**-**-** | 7,209 | - | - | 482 | 30,585 | 2,441 | - | 461 | - | 41,177 |
| Legal Fees | | | | | | | | | | |
| 08-5018-02-00-00 | - | - | - | - | - | - | - | - | 145 | 145 |
| Public Notices/ Public Relations | | | | | | | | | | |
| **5019-**-**-** | 70,126 | - | - | - | 46,491 | 86,929 | 524 | - | - | 204,070 |
| Contract Services Misc. | | | | | | | | | | |
| **5021-**-**-** | 12,350 | - | - | - | 5,325 | 10,495 | - | - | - | 28,170 |
| Small Vehicle Expense | | | | | | | | | | |
| **5022-**-**-** | 5,792 | - | - | 1,728 | 1,471 | 2,628 | - | - | 728 | 12,348 |
| Miscellaneous Expense | | | | | | | | | | |
| **5023-**-**-** | 21,820 | - | - | - | 5,779 | 11,832 | - | - | - | 39,431 |
| Office Supplies - All | | | | | | | | | | |
| **5024-**-**-** | 4,081 | - | - | - | 3,968 | 26,576 | - | - | - | 34,625 |
| Petroleum Products | | | | | | | | | | |
| **5025-**-**-** | 13,474 | - | - | - | 7,380 | 16,063 | - | - | - | 36,917 |
| Uniforms | | | | | | | | | | |
| **5026-**-**-** | 6,828 | - | - | - | 1,224 | 6,691 | - | - | - | 14,743 |
| Small Vehicle Fuel | | | | | | | | | | |
| **5027-**-**-** | 56,931 | 1,848 | - | 5,007 | 26,066 | 64,478 | 13 | 4,421 | 1,439 | 160,201 |
| Insurance - Property/Liability | | | | | | | | | | |
| **5028-**-**-** | 32,765 | - | - | - | 7,710 | 21,988 | - | - | 1,873 | 64,336 |
| Small Tools & Supplies | | | | | | | | | | |
| **5030-**-**-** | 2,182 | - | - | - | 1,257 | 1,424 | - | - | - | 4,863 |
| Trash Disposal | | | | | | | | | | |
| **5031-**-**-** | 42,834 | - | - | 5,715 | 20,522 | 44,669 | - | 5,715 | 145 | 119,600 |
| Safety Program & Supplies | | | | | | | | | | |
| **5032-**-**-** | 600 | - | - | - | 245 | 14,909 | - | - | - | 15,754 |
| Equipment Rental | | | | | | | | | | |
| **5033-**-**-** | 200 | - | - | - | 300 | 982 | - | - | - | 1,482 |
| Recruitment | | | | | | | | | | |
| **5034-**-**-** | 10,712 | - | - | 395 | 1,225 | 4,322 | - | - | 3,133 | 19,787 |
| Travel Expense/Tech. Conferences | | | | | | | | | | |
| **5035-**-**-** | 20,823 | - | - | - | 12,196 | 17,992 | - | - | 1,500 | 52,511 |
| Training Expense | | | | | | | | | | |
| **5036-**-**-** | 13,275 | - | - | 15,403 | 7,463 | 17,682 | - | 14,975 | - | 68,799 |
| Laboratory Supplies | | | | | | | | | | |

South Orange County Wastewater Authority 2016-2017 Project Committee Detail-Actual O&M

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|--|------------------|----------------|--------------|----------------|------------------|------------------|--------------|----------------|----------------|-------------------|
| Salary and Fringe | | | | | | | | | | |
| **-5037-**-**-** | 13,975 | - | - | - | 174 | 5,820 | - | - | - | 19,969 |
| Office Equipment | | | | | | | | | | |
| **-5038-**-**-** | 17,679 | 109,095 | - | 182,527 | 4,736 | 17,534 | - | 143,448 | - | 475,018 |
| Permits | | | | | | | | | | |
| **-5039-**-**-** | 6,358 | - | - | - | 1,583 | 6,280 | - | - | 135 | 14,356 |
| Membership Dues/Fees | | | | | | | | | | |
| **-5044-**-**-** | - | - | - | 15,592 | - | - | - | 17,042 | - | 32,634 |
| Offshore Monitoring | | | | | | | | | | |
| **-5046-**-**-** | - | - | - | 14,111 | - | - | - | 24,743 | - | 38,855 |
| Effluent Chemistry | | | | | | | | | | |
| **-5047-**-**-** | - | - | - | - | 36,245 | - | - | - | - | 36,245 |
| Access Road Expenses | | | | | | | | | | |
| 15-5048-01-00-00 | - | - | - | - | 30,592 | - | - | - | - | 30,592 |
| Storm Damage | | | | | | | | | | |
| **-5049-**-**-** | 549,534 | - | - | - | - | 931,658 | - | - | - | 1,481,192 |
| Biosolids Disposal | | | | | | | | | | |
| **-5050-**-**-** | 5,981 | - | - | - | 10,553 | 5,981 | - | - | - | 22,514 |
| Contract Services Generators | | | | | | | | | | |
| **-5052-**-**-** | 16,009 | - | - | - | 6,975 | 11,424 | - | - | - | 34,408 |
| Janitorial Services | | | | | | | | | | |
| **-5054-**-**-** | 9,259 | - | - | - | 3,356 | 11,560 | - | - | - | 24,175 |
| Diesel Truck Maint | | | | | | | | | | |
| **-5055-**-**-** | 4,576 | - | - | - | - | 4,120 | - | - | - | 8,696 |
| Diesel Truck Fuel | | | | | | | | | | |
| **-5056-**-**-** | 142,166 | - | - | 2,091 | - | 199,613 | - | - | - | 343,870 |
| Maintenance Equip. & Facilities (Solic | | | | | | | | | | |
| **-5057-**-**-** | 234,998 | - | - | - | 127,585 | 179,761 | - | - | - | 542,344 |
| Maintenance Equip. & Facilities (Liqu | | | | | | | | | | |
| **-5058-**-**-** | 14,792 | - | - | - | 23,813 | 29,256 | - | 4,010 | - | 71,872 |
| Maintenance Equip. & Facilities (Con | | | | | | | | | | |
| **-5059-**-**-** | 36,230 | - | - | - | 29,942 | 57,767 | - | - | - | 93,997 |
| Maintenance Equip. & Facilities (Co- | | | | | | | | | | |
| **-5060-**-**-** | - | - | - | - | - | 29,928 | - | - | - | 59,870 |
| Maintenance Equip. & Facilities (AW | | | | | | | | | | |
| **-5061-**-**-** | 2,171 | - | - | - | 472 | 1,863 | - | - | - | 4,506 |
| Mileage | | | | | | | | | | |
| 15-5068-02-00-00 | - | - | - | - | - | 22,508 | - | - | - | 22,508 |
| MNWD Potable Water Supplies & Sv | | | | | | | | | | |
| **-5069-**-**-** | - | - | - | 67,285 | - | - | - | 35,385 | - | 102,670 |
| Misc-Capital-Dilution & Metering Stud | | | | | | | | | | |
| **-5077-**-**-** | 171,396 | - | - | - | 82,731 | 42,031 | - | - | - | 296,159 |
| IT Direct | | | | | | | | | | |
| **-5101-**-**-** | - | - | - | 1,220 | - | 706 | - | - | - | 1,925 |
| Employee Recognition | | | | | | | | | | |
| 17-5105-01-00-00 | - | - | - | - | - | 201,611 | - | - | - | 201,611 |
| Co-Generation Power Credit - Offset | | | | | | | | | | |
| 05-5301-02-11-00 | - | - | - | - | - | - | - | - | - | 162 |
| Vehicle Pay | | | | | | | | | | |
| **-5303-**-**-** | 3,600 | - | - | 161.54 | - | - | - | - | - | 7,403 |
| Group Insurance Waiver | | | | | | | | | | |
| **-5305-**-**-** | 3,632 | - | - | 1,926 | 2,003 | 1,800 | - | - | - | 12,054 |
| Medicare Tax Payments for Employee | | | | | | | | | | |
| **-5309-**-**-** | 5,085 | - | - | - | 4,409 | 2,087 | - | - | - | 5,085 |
| Operating Leases | | | | | | | | | | |
| **-5705-**-**-** | 10,282 | - | - | 4,119 | 6,017 | 11,212 | - | - | - | 31,631 |
| Monthly Car Allowance | | | | | | | | | | |
| **-5802-**-**-** | 465 | - | - | 26 | 15 | 128 | - | 26 | - | 659 |
| Shipping/Freight | | | | | | | | | | |
| IT Allocations in to PC's & Depts. | | | | | | | | | | |
| **-6500-**-**-** | 177,749 | 15,298 | - | 23,691 | 115,957 | 215,174 | - | 17,102 | - | 564,971 |
| Total Other Expenses | | | | | | | | | | |
| | 3,117,123 | 128,640 | - | 363,894 | 1,179,153 | 3,770,943 | 1,336 | 288,641 | 7,407 | 8,857,138 |
| Total Expenses | 5,705,154 | 195,252 | 4,557 | 549,845 | 2,724,407 | 6,791,301 | 1,336 | 465,638 | 150,163 | 16,587,654 |

**South Orange County Wastewater Authority
PC 03 Wastewater Distribution by Member Agency
Budget vs Actual**

| | Liquids | | | Solids | | | Common - Liquids | | | AWT | | | Total | | |
|--------------------------------|----------|--------------|----------------|----------|--------------|----------------|------------------|------------|--------------|----------|----------|----------|----------|--------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| Member Agency | | | | | | | | | | | | | | | |
| Moulton Niguel Water District | - | 1,900 | (1,900) | - | 1,900 | (1,900) | - | 349 | (349) | - | - | - | - | 4,149 | (4,149) |
| Santa Margarita Water District | - | 136 | (136) | - | 136 | (136) | - | 136 | (136) | - | - | - | - | 408 | (408) |
| Total | 0 | 2,036 | (2,036) | 0 | 2,036 | (2,036) | 0 | 485 | (485) | 0 | 0 | 0 | 0 | 4,557 | (4,557) |

Member Agency
Moulton Niguel Water District
Santa Margarita Water District
Total

| | Spending Variance | | | Spending Variance | | |
|--------------------------------|-------------------|---------------|----------------|-------------------|------------|----------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance |
| Member Agency | | | | | | |
| Moulton Niguel Water District | 93.3% | 93.3% | -93.3% | 72.0% | -72.0% | 0.0% |
| Santa Margarita Water District | 6.7% | 6.7% | -6.7% | 28.0% | -28.0% | 0.0% |
| Total | 100.0% | 100.0% | -100.0% | 0.0% | ### | -100.0% |

Member Agency
Moulton Niguel Water District
Santa Margarita Water District
Total

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

| Member Agency | Liquids | | | Common Liquids | | | AWT | | | Total | | |
|-------------------------------|------------------|------------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|------------------|------------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| City of Laguna Beach | 1,079,024 | 879,400 | 199,624 | 323,856 | 340,840 | (16,984) | | | | 1,402,880 | 1,220,240 | 182,640 |
| Emerald Bay Service District | 33,648 | 24,836 | 8,812 | 25,528 | 26,876 | (1,348) | | | | 59,176 | 51,712 | 7,464 |
| Moulton Niguel Water District | - | - | - | 249,928 | 263,019 | (13,091) | | | | 249,928 | 263,019 | (13,091) |
| South Coast Water District | 667,616 | 586,272 | 81,344 | 255,040 | 268,372 | (13,332) | 295,768 | 334,792 | (39,024) | 1,218,424 | 1,189,436 | 28,988 |
| Total | 1,780,288 | 1,490,508 | 289,780 | 854,352 | 899,107 | (44,755) | 295,768 | 334,792 | (39,024) | 2,930,408 | 2,724,407 | 206,001 |
| | | | 16.3% | | | -5.2% | | | -13.2% | | | 7.0% |

| Member Agency | Liquids | | | Spending Variance | | | AWT | | | Total | | |
|-------------------------------|---------------|---------------|-------------|-------------------|---------------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of Laguna Beach | 60.6% | 59.0% | 1.6% | 37.9% | 37.9% | 0.0% | 0.0% | 0.0% | 0.0% | 47.9% | 44.8% | 3.1% |
| Emerald Bay Service District | 1.9% | 1.7% | 0.2% | 3.0% | 3.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.0% | 1.9% | 0.1% |
| Moulton Niguel Water District | 0.0% | 0.0% | 0.0% | 29.3% | 29.3% | 0.0% | 0.0% | 0.0% | 0.0% | 8.5% | 9.7% | -1.1% |
| South Coast Water District | 37.5% | 39.3% | -1.8% | 29.9% | 29.8% | 0.0% | 100.0% | 100.0% | 0.0% | 41.6% | 43.7% | -2.1% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

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

| Member Agency | Liquids | | | Solids | | | AWT | | | Common Liquids | | | Common Solids | | | Total | | |
|-------------------------------|------------------|------------------|--------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|------------------|------------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| City of Laguna Beach | 3,444 | 3,156 | 288 | 448,392 | 383,616 | 64,776 | - | - | - | - | - | 59,832 | 60,436 | (604) | 511,668 | 447,208 | 64,460 | |
| El Toro Water District | 4,052 | 3,640 | 412 | 559,900 | 430,152 | 129,748 | - | - | - | - | - | 108,860 | 109,944 | (1,084) | 672,812 | 543,736 | 129,076 | |
| Emerald Bay Service District | 192 | 100 | 92 | 13,856 | 11,832 | 2,024 | - | - | - | - | - | 3,144 | 3,168 | (24) | 17,192 | 15,100 | 2,092 | |
| Moulton Niguel Water District | 2,014,484 | 2,009,461 | 5,023 | 2,162,696 | 1,983,112 | 179,584 | 536,940 | 540,472 | (3,532) | 681,988 | 619,876 | 62,112 | 313,692 | 316,908 | (3,216) | 5,709,800 | 5,469,829 | 239,971 |
| South Coast Water District | 2,028 | 2,096 | (68) | 277,692 | 265,060 | 12,632 | - | - | - | - | - | 47,788 | 48,272 | (484) | 327,508 | 315,428 | 12,080 | |
| Total | 2,024,200 | 2,018,453 | 5,747 | 3,462,536 | 3,073,772 | 388,764 | 536,940 | 540,472 | (3,532) | 681,988 | 619,876 | 62,112 | 533,316 | 538,728 | (5,412) | 7,238,980 | 6,791,301 | 447,679 |
| | | | 0.3% | | | 11.2% | | | -0.7% | | | 9.1% | | | -1.0% | | | 6.2% |

| Member Agency | Liquids | | | Solids | | | Spending Variance AWT | | | Spending Variance Common Liquids | | | Spending Variance Common Solids | | | Total | | |
|-------------------------------|---------------|---------------|-------------|---------------|---------------|-------------|-----------------------|---------------|-------------|----------------------------------|---------------|-------------|---------------------------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of Laguna Beach | 0.2% | 0.2% | 0.0% | 12.9% | 12.5% | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 11.2% | 11.2% | 0.0% | 7.1% | 6.6% | 0.5% |
| El Toro Water District | 0.2% | 0.2% | 0.0% | 16.2% | 14.0% | 2.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 20.4% | 20.4% | 0.0% | 9.3% | 8.0% | 1.3% |
| Emerald Bay Service District | 0.0% | 0.0% | 0.0% | 0.4% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.6% | 0.6% | 0.0% | 0.2% | 0.2% | 0.0% |
| Moulton Niguel Water District | 99.5% | 99.6% | 0.0% | 62.5% | 64.5% | -2.1% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 58.8% | 58.8% | 0.0% | 78.9% | 80.5% | -1.7% |
| South Coast Water District | 0.1% | 0.1% | 0.0% | 8.0% | 8.6% | -0.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 9.0% | 9.0% | 0.0% | 4.5% | 4.6% | -0.1% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------------------------|--|----------------------|-------------------|------------------------|------------|
| PC 02 - Jay B. Latham Plant | | | | | |
| Member Agency | | | | | |
| City of San Juan Capistrano | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 460,792 | 385,384 | 75,408 | 83.6% |
| **_5001-**-**_** | Overtime Salaries-O&M | 7,204 | 13,632 | (6,428) | 189.2% |
| **_5002-**-**_** | Electricity | 310,432 | 256,852 | 53,580 | 82.7% |
| **_5003-**-**_** | Natural Gas | 10,828 | 15,340 | (4,512) | 141.7% |
| **_5004-**-**_** | Potable & Reclaimed Water | 4,968 | 3,996 | 972 | 80.4% |
| 02-5006-01-01-18 | Chlorine/Sodium Hypochlorite | 10,340 | 5,060 | 5,280 | 48.9% |
| 02-5007-01-02-18 | Polymer Products | 85,952 | 43,060 | 42,892 | 50.1% |
| 02-5008-01-02-18 | Ferric Chloride | 30,244 | 23,204 | 7,040 | 76.7% |
| **_5009-**-**_** | Odor Control Chemicals | 7,292 | 7,828 | (536) | 107.4% |
| **_5010-**-**_** | Other Chemicals - Misc. | 304 | 160 | 144 | 52.6% |
| **_5011-**-**_** | Laboratory Services | 3,872 | 3,232 | 640 | 83.5% |
| 02-5012-01-01-18 | Grit Hauling - 21A | 14,636 | 14,908 | (272) | 101.9% |
| **_5013-**-**_** | Landscaping | 13,676 | 10,072 | 3,604 | 73.6% |
| **_5014-**-**_** | Engineering - Misc. | 24,308 | 2,300 | 22,008 | 9.5% |
| **_5015-**-**_** | Management Support Services | 41,324 | 10,380 | 30,944 | 25.1% |
| **_5017-**-**_** | Legal Fees | 7,292 | 2,188 | 5,104 | 30.0% |
| **_5019-**-**_** | Contract Services Misc. - 29 | 23,488 | 21,308 | 2,180 | 90.7% |
| **_5021-**-**_** | Small Vehicle Expense - 31A | 2,536 | 3,552 | (1,016) | 140.1% |
| **_5022-**-**_** | Miscellaneous Expense | 2,188 | 1,760 | 428 | 80.4% |
| **_5023-**-**_** | Office Supplies - All | 6,076 | 6,628 | (552) | 109.1% |
| **_5024-**-**_** | Petroleum Products | 5,752 | 1,244 | 4,508 | 21.6% |
| **_5025-**-**_** | Uniforms | 4,232 | 3,876 | 356 | 91.6% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 4,972 | 1,964 | 3,008 | 39.5% |
| **_5027-**-**_** | Insurance - Property/Liability | 14,508 | 17,300 | (2,792) | 119.2% |
| **_5028-**-**_** | Small Tools & Supplies | 9,420 | 9,956 | (536) | 105.7% |
| **_5030-**-**_** | Trash Disposal | 244 | 664 | (420) | 272.1% |
| **_5031-**-**_** | Safety Supplies | 10,636 | 13,016 | (2,380) | 122.4% |
| **_5032-**-**_** | Equipment Rental | 912 | 184 | 728 | 20.2% |
| **_5033-**-**_** | Recruitment | 0 | 60 | (60) | 0.0% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 4,408 | 3,252 | 1,156 | 73.8% |
| **_5035-**-**_** | Training Expense | 9,420 | 6,328 | 3,092 | 67.2% |
| **_5036-**-**_** | Laboratory Supplies | 5,160 | 4,000 | 1,160 | 77.5% |
| **_5037-**-**_** | Office Equipment | 4,560 | 4,248 | 312 | 93.2% |
| **_5038-**-**_** | Permits | 6,684 | 5,372 | 1,312 | 80.4% |
| **_5039-**-**_** | Membership Dues/Fees | 1,520 | 1,928 | (408) | 126.8% |
| 02-5049-01-02-18 | Biosolids Disposal - 21B | 191,800 | 134,840 | 56,960 | 70.3% |
| **_5050-**-**_** | Contract Services Generators - 29A | 2,520 | 1,816 | 704 | 72.1% |
| **_5052-**-**_** | Janitorial Services | 6,076 | 4,864 | 1,212 | 80.1% |
| 02-5053-01-02-18 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-18 | Diesel Truck Maint - 31B | 3,340 | 2,272 | 1,068 | 68.0% |
| 02-5055-01-02-18 | Diesel Truck Fuel - 37B | 2,004 | 1,124 | 880 | 56.1% |
| 02-5056-01-02-18 | Maintenance Equip. & Facilities (Solids) 41-A | 44,428 | 34,884 | 9,544 | 78.5% |
| 02-5057-01-01-18 | Maintenance Equip. & Facilities (Liquids) 41-B | 88,284 | 75,112 | 13,172 | 85.1% |
| **_5058-**-**_** | Maintenance Equip. & Facilities (Common) 41-C | 7,444 | 4,496 | 2,948 | 60.4% |
| 02-5059-01-02-18 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 23,032 | 8,888 | 14,144 | 38.6% |
| **_5061-**-**_** | Mileage | 264 | 648 | (384) | 245.5% |
| **_5077-**-**_** | IT Direct | 45,576 | 52,076 | (6,500) | 114.3% |
| **_5302-**-**_** | Performance Based Merit Pay | 0 | 3,056 | (3,056) | 0.0% |
| **_5303-**-**_** | Group Insurance Waiver | 0 | 1,044 | (1,044) | 0.0% |
| **_5305-**-**_** | Medicare Tax Payments for Employees | 0 | 1,044 | (1,044) | 0.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended | |
|--------------------------------------|--|-------------------|------------------------|------------|--------|
| **-5306-**-**-** | Scheduled Holiday Work | 4,796 | 2,828 | 1,968 | 59.0% |
| **-5307-**-**-** | Weekend Shift Pay | 0 | 124 | (124) | 0.0% |
| **-5309-**-**-** | Operating Leases | 1,216 | 1,548 | (332) | 127.3% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 327,168 | 336,004 | (8,836) | 102.7% |
| **-5700-**-**-** | Standby Pay | 18,152 | 8,176 | 9,976 | 45.0% |
| **-5705-**-**-** | Monthly Car Allowance | 8,236 | 2,964 | 5,272 | 36.0% |
| **-5802-**-**-** | Shipping/Freight | 0 | 136 | (136) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 55,140 | 54,008 | 1,132 | 97.9% |
| | Total City of San Juan Capistrano | 1,979,656 | 1,636,188 | 343,468 | 87.2% |
| Moulton Niguel Water District | | | | | |
| **-5000-**-**-** | Regular Salaries-O&M | 244,828 | 308,316 | (63,488) | 125.9% |
| **-5001-**-**-** | Overtime Salaries-O&M | 3,820 | 10,856 | (7,036) | 284.2% |
| **-5002-**-**-** | Electricity | 155,860 | 192,812 | (36,952) | 123.7% |
| **-5003-**-**-** | Natural Gas | 5,440 | 11,516 | (6,076) | 211.7% |
| **-5004-**-**-** | Potable & Reclaimed Water | 2,968 | 3,376 | (408) | 113.7% |
| 02-5006-01-01-22 | Chlorine/Sodium Hypochlorite | 4,540 | 3,340 | 1,200 | 73.6% |
| 02-5007-01-02-22 | Polymer Products | 51,912 | 45,860 | 6,052 | 88.3% |
| 02-5008-01-02-22 | Ferric Chloride | 18,264 | 24,712 | (6,448) | 135.3% |
| **-5009-**-**-** | Odor Control Chemicals | 4,204 | 6,420 | (2,216) | 152.7% |
| **-5010-**-**-** | Other Chemicals - Misc. | 224 | 116 | 108 | 51.8% |
| **-5011-**-**-** | Laboratory Services | 1,844 | 2,400 | (556) | 130.2% |
| 02-5012-01-01-22 | Grit Hauling - 21A | 6,424 | 9,840 | (3,416) | 153.2% |
| **-5013-**-**-** | Landscaping | 10,056 | 7,408 | 2,648 | 73.7% |
| **-5014-**-**-** | Engineering - Misc. | 17,880 | 1,688 | 16,192 | 9.4% |
| **-5015-**-**-** | Management Support Services | 30,396 | 7,636 | 22,760 | 25.1% |
| **-5017-**-**-** | Legal Fees | 5,364 | 1,612 | 3,752 | 30.1% |
| **-5019-**-**-** | Contract Services Misc. - 29 | 17,276 | 15,672 | 1,604 | 90.7% |
| **-5021-**-**-** | Small Vehicle Expense - 31A | 1,352 | 2,876 | (1,524) | 212.7% |
| **-5022-**-**-** | Miscellaneous Expense | 1,612 | 1,296 | 316 | 80.4% |
| **-5023-**-**-** | Office Supplies - All | 4,472 | 4,876 | (404) | 109.0% |
| **-5024-**-**-** | Petroleum Products | 2,692 | 900 | 1,792 | 33.4% |
| **-5025-**-**-** | Uniforms | 2,252 | 3,136 | (884) | 139.3% |
| **-5026-**-**-** | Small Vehicle Fuel - 37A | 2,648 | 1,588 | 1,060 | 60.0% |
| **-5027-**-**-** | Insurance - Property/Liability | 10,668 | 12,724 | (2,056) | 119.3% |
| **-5028-**-**-** | Small Tools & Supplies | 6,928 | 7,320 | (392) | 105.7% |
| **-5030-**-**-** | Trash Disposal | 180 | 488 | (308) | 271.1% |
| **-5031-**-**-** | Safety Supplies | 7,824 | 9,576 | (1,752) | 122.4% |
| **-5032-**-**-** | Equipment Rental | 672 | 132 | 540 | 19.6% |
| **-5033-**-**-** | Recruitment | 0 | 48 | (48) | 0.0% |
| **-5034-**-**-** | Travel Expense/Tech. Conferences | 3,240 | 2,392 | 848 | 73.8% |
| **-5035-**-**-** | Training Expense | 6,928 | 4,656 | 2,272 | 67.2% |
| **-5036-**-**-** | Laboratory Supplies | 2,456 | 2,968 | (512) | 120.8% |
| **-5037-**-**-** | Office Equipment | 3,352 | 3,124 | 228 | 93.2% |
| **-5038-**-**-** | Permits | 4,920 | 3,952 | 968 | 80.3% |
| **-5039-**-**-** | Membership Dues/Fees | 1,116 | 1,424 | (308) | 127.6% |
| 02-5049-01-02-22 | Biosolids Disposal - 21B | 115,840 | 143,608 | (27,768) | 124.0% |
| **-5050-**-**-** | Contract Services Generators - 29A | 1,852 | 1,340 | 512 | 72.4% |
| **-5052-**-**-** | Janitorial Services | 4,472 | 3,580 | 892 | 80.1% |
| 02-5053-01-02-22 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-22 | Diesel Truck Maint - 31B | 2,016 | 2,420 | (404) | 120.0% |
| 02-5055-01-02-22 | Diesel Truck Fuel - 37B | 1,208 | 1,196 | 12 | 99.0% |
| 02-5056-01-02-22 | Maintenance Equip. & Facilities (Solids) 41-A | 26,832 | 37,152 | (10,320) | 138.5% |
| 02-5057-01-01-22 | Maintenance Equip. & Facilities (Liquids) 41-B | 38,756 | 49,576 | (10,820) | 127.9% |
| **-5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 5,476 | 3,308 | 2,168 | 60.4% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|---|----------------------|-------------------|------------------------|------------|
| 02-5059-01-02-22 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 13,912 | 9,468 | 4,444 | 68.1% |
| **5061-**-** | Mileage | 140 | 492 | (352) | 351.4% |
| **5077-**-** | IT Direct | 33,528 | 38,308 | (4,780) | 114.3% |
| **5302-**-** | Performance Based Merit Pay | 0 | 2,480 | (2,480) | 0.0% |
| **5303-**-** | Group Insurance Waiver | 0 | 832 | (832) | 0.0% |
| **5305-**-** | Medicare Tax Payments for Employees | 0 | 848 | (848) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 2,548 | 2,256 | 292 | 88.5% |
| **5307-**-** | Weekend Shift Pay | 0 | 96 | (96) | 0.0% |
| **5309-**-** | Operating Leases | 892 | 1,136 | (244) | 127.4% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 173,828 | 268,832 | (95,004) | 154.7% |
| **5700-**-** | Standby Pay | 9,656 | 6,624 | 3,032 | 68.6% |
| **5705-**-** | Monthly Car Allowance | 4,356 | 2,396 | 1,960 | 55.0% |
| **5802-**-** | Shipping/Freight | 0 | 100 | (100) | 0.0% |
| **6500-**-** | IT Allocations in to PC's & Depts. | 40,560 | 39,732 | 828 | 98.0% |
| | Rounding | 0 | (30) | 30 | 0.0% |
| | Total Moulton Niguel Water District | 1,120,484 | 1,332,806 | (212,322) | 119.0% |
| Santa Margarita Water District | | | | | |
| **5000-**-** | Regular Salaries-O&M | 309,240 | 311,828 | (2,588) | 100.8% |
| **5001-**-** | Overtime Salaries-O&M | 4,828 | 10,976 | (6,148) | 227.3% |
| **5002-**-** | Electricity | 196,632 | 194,968 | 1,664 | 99.2% |
| **5003-**-** | Natural Gas | 6,860 | 11,648 | (4,788) | 169.8% |
| **5004-**-** | Potable & Reclaimed Water | 3,744 | 3,412 | 332 | 91.1% |
| 02-5006-01-01-23 | Chlorine/Sodium Hypochlorite | 5,836 | 3,376 | 2,460 | 57.8% |
| 02-5007-01-02-23 | Polymer Products | 66,744 | 46,316 | 20,428 | 69.4% |
| 02-5008-01-02-23 | Ferric Chloride | 23,484 | 24,956 | (1,472) | 106.3% |
| **5009-**-** | Odor Control Chemicals | 5,404 | 6,484 | (1,080) | 120.0% |
| **5010-**-** | Other Chemicals - Misc. | 244 | 120 | 124 | 49.2% |
| **5011-**-** | Laboratory Services | 2,368 | 2,424 | (56) | 102.4% |
| 02-5012-01-01-23 | Grit Hauling - 21A | 8,260 | 9,940 | (1,680) | 120.3% |
| **5013-**-** | Landscaping | 10,988 | 7,572 | 3,416 | 68.9% |
| **5014-**-** | Engineering - Misc. | 19,536 | 1,728 | 17,808 | 8.8% |
| **5015-**-** | Management Support Services | 33,212 | 7,804 | 25,408 | 23.5% |
| **5017-**-** | Legal Fees | 5,860 | 1,648 | 4,212 | 28.1% |
| **5019-**-** | Contract Services Misc. - 29 | 18,880 | 16,016 | 2,864 | 84.8% |
| **5021-**-** | Small Vehicle Expense - 31A | 1,708 | 2,908 | (1,200) | 170.3% |
| **5022-**-** | Miscellaneous Expense | 1,760 | 1,320 | 440 | 75.0% |
| **5023-**-** | Office Supplies - All | 4,884 | 4,984 | (100) | 102.0% |
| **5024-**-** | Petroleum Products | 3,464 | 912 | 2,552 | 26.3% |
| **5025-**-** | Uniforms | 2,844 | 3,176 | (332) | 111.7% |
| **5026-**-** | Small Vehicle Fuel - 37A | 3,340 | 1,608 | 1,732 | 48.1% |
| **5027-**-** | Insurance - Property/Liability | 11,660 | 13,004 | (1,344) | 111.5% |
| **5028-**-** | Small Tools & Supplies | 7,572 | 7,484 | 88 | 98.8% |
| **5030-**-** | Trash Disposal | 196 | 496 | (300) | 253.1% |
| **5031-**-** | Safety Supplies | 8,548 | 9,784 | (1,236) | 114.5% |
| **5032-**-** | Equipment Rental | 732 | 136 | 596 | 18.6% |
| **5033-**-** | Recruitment | 0 | 44 | (44) | 0.0% |
| **5034-**-** | Travel Expense/Tech. Conferences | 3,544 | 2,448 | 1,096 | 69.1% |
| **5035-**-** | Training Expense | 7,572 | 4,756 | 2,816 | 62.8% |
| **5036-**-** | Laboratory Supplies | 3,160 | 2,996 | 164 | 94.8% |
| **5037-**-** | Office Equipment | 3,664 | 3,192 | 472 | 87.1% |
| **5038-**-** | Permits | 5,372 | 4,036 | 1,336 | 75.1% |
| **5039-**-** | Membership Dues/Fees | 1,220 | 1,456 | (236) | 119.3% |
| 02-5049-01-02-23 | Biosolids Disposal - 21B | 148,936 | 145,036 | 3,900 | 97.4% |
| **5050-**-** | Contract Services Generators - 29A | 2,028 | 1,364 | 664 | 67.3% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------|--|----------------------|-------------------|------------------------|------------|
| **_5052-**-**_** | Janitorial Services | 4,884 | 3,656 | 1,228 | 74.9% |
| 02-5053-01-02-23 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-23 | Diesel Truck Maint - 31B | 2,592 | 2,444 | 148 | 94.3% |
| 02-5055-01-02-23 | Diesel Truck Fuel - 37B | 1,556 | 1,208 | 348 | 77.6% |
| 02-5056-01-02-23 | Maintenance Equip. & Facilities (Solids) 41-A | 34,500 | 37,520 | (3,020) | 108.8% |
| 02-5057-01-01-23 | Maintenance Equip. & Facilities (Liquids) 41-B | 49,808 | 50,072 | (264) | 100.5% |
| **_5058-**-**_** | Maintenance Equip. & Facilities (Common) 41-C | 5,984 | 3,380 | 2,604 | 56.5% |
| 02-5059-01-02-23 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 17,884 | 9,560 | 8,324 | 53.5% |
| **_5061-**-**_** | Mileage | 176 | 504 | (328) | 286.4% |
| **_5077-**-**_** | IT Direct | 36,632 | 39,144 | (2,512) | 106.9% |
| **_5302-**-**_** | Performance Based Merit Pay | 0 | 2,508 | (2,508) | 0.0% |
| **_5303-**-**_** | Group Insurance Waiver | 0 | 836 | (836) | 0.0% |
| **_5305-**-**_** | Medicare Tax Payments for Employees | 0 | 860 | (860) | 0.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 3,220 | 2,280 | 940 | 70.8% |
| **_5307-**-**_** | Weekend Shift Pay | 0 | 96 | (96) | 0.0% |
| **_5309-**-**_** | Operating Leases | 976 | 1,160 | (184) | 118.9% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 219,560 | 271,896 | (52,336) | 123.8% |
| **_5700-**-**_** | Standby Pay | 12,200 | 6,696 | 5,504 | 54.9% |
| **_5705-**-**_** | Monthly Car Allowance | 5,496 | 2,416 | 3,080 | 44.0% |
| **_5802-**-**_** | Shipping/Freight | 0 | 108 | (108) | 0.0% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 44,312 | 40,592 | 3,720 | 91.6% |
| | Total Santa Margarita Water District | 1,384,104 | 1,349,292 | 34,812 | 97.5% |

South Coast Water District

| | | | | | |
|------------------|----------------------------------|---------|---------|----------|--------|
| **_5000-**-**_** | Regular Salaries-O&M | 291,560 | 325,624 | (34,064) | 111.7% |
| **_5001-**-**_** | Overtime Salaries-O&M | 4,556 | 11,524 | (6,968) | 252.9% |
| **_5002-**-**_** | Electricity | 197,072 | 213,024 | (15,952) | 108.1% |
| **_5003-**-**_** | Natural Gas | 6,872 | 12,720 | (5,848) | 185.1% |
| **_5004-**-**_** | Potable & Reclaimed Water | 3,124 | 3,440 | (316) | 110.1% |
| 02-5006-01-01-24 | Chlorine/Sodium Hypochlorite | 6,484 | 4,060 | 2,424 | 62.6% |
| 02-5007-01-02-24 | Polymer Products | 52,892 | 40,252 | 12,640 | 76.1% |
| 02-5008-01-02-24 | Ferric Chloride | 18,608 | 21,688 | (3,080) | 116.6% |
| **_5009-**-**_** | Odor Control Chemicals | 4,500 | 6,688 | (2,188) | 148.6% |
| **_5010-**-**_** | Other Chemicals - Misc. | 228 | 128 | 100 | 56.1% |
| **_5011-**-**_** | Laboratory Services | 2,416 | 2,680 | (264) | 110.9% |
| 02-5012-01-01-24 | Grit Hauling - 21A | 9,180 | 11,956 | (2,776) | 130.2% |
| **_5013-**-**_** | Landscaping | 10,280 | 8,096 | 2,184 | 78.8% |
| **_5014-**-**_** | Engineering - Misc. | 18,276 | 1,848 | 16,428 | 10.1% |
| **_5015-**-**_** | Management Support Services | 31,072 | 8,344 | 22,728 | 26.9% |
| **_5017-**-**_** | Legal Fees | 5,480 | 1,760 | 3,720 | 32.1% |
| **_5019-**-**_** | Contract Services Misc. - 29 | 17,660 | 17,128 | 532 | 97.0% |
| **_5021-**-**_** | Small Vehicle Expense - 31A | 1,608 | 3,016 | (1,408) | 187.6% |
| **_5022-**-**_** | Miscellaneous Expense | 1,644 | 1,416 | 228 | 86.1% |
| **_5023-**-**_** | Office Supplies - All | 4,572 | 5,328 | (756) | 116.5% |
| **_5024-**-**_** | Petroleum Products | 3,592 | 1,024 | 2,568 | 28.5% |
| **_5025-**-**_** | Uniforms | 2,676 | 3,292 | (616) | 123.0% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 3,148 | 1,668 | 1,480 | 53.0% |
| **_5027-**-**_** | Insurance - Property/Liability | 10,908 | 13,904 | (2,996) | 127.5% |
| **_5028-**-**_** | Small Tools & Supplies | 7,084 | 8,004 | (920) | 113.0% |
| **_5030-**-**_** | Trash Disposal | 180 | 536 | (356) | 297.8% |
| **_5031-**-**_** | Safety Supplies | 7,996 | 10,464 | (2,468) | 130.9% |
| **_5032-**-**_** | Equipment Rental | 684 | 148 | 536 | 21.6% |
| **_5033-**-**_** | Recruitment | 0 | 52 | (52) | 0.0% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 3,312 | 2,616 | 696 | 79.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|--|----------------------|-------------------|------------------------|------------|
| **_5035-**-**-** | Training Expense | 7,084 | 5,088 | 1,996 | 71.8% |
| **_5036-**-**-** | Laboratory Supplies | 3,224 | 3,312 | (88) | 102.7% |
| | | | | | |
| **_5037-**-**-** | Office Equipment | 3,428 | 3,412 | 16 | 99.5% |
| **_5038-**-**-** | Permits | 5,024 | 4,320 | 704 | 86.0% |
| **_5039-**-**-** | Membership Dues/Fees | 1,144 | 1,556 | (412) | 136.0% |
| 02-5049-01-02-24 | Biosolids Disposal - 21B | 118,024 | 126,048 | (8,024) | 106.8% |
| **_5050-**-**-** | Contract Services Generators - 29A | 1,896 | 1,464 | 432 | 77.2% |
| **_5052-**-**-** | Janitorial Services | 4,572 | 3,908 | 664 | 85.5% |
| 02-5053-01-02-24 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-24 | Diesel Truck Maint - 31B | 2,056 | 2,124 | (68) | 103.3% |
| 02-5055-01-02-24 | Diesel Truck Fuel - 37B | 1,232 | 1,048 | 184 | 85.1% |
| 02-5056-01-02-24 | Maintenance Equip. & Facilities (Solids) 41-A | 27,340 | 32,608 | (5,268) | 119.3% |
| 02-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 55,356 | 60,236 | (4,880) | 108.8% |
| **_5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 5,596 | 3,612 | 1,984 | 64.5% |
| **_5059-**-**-** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 14,172 | 8,312 | 5,860 | 58.7% |
| **_5061-**-**-** | Mileage | 172 | 540 | (368) | 314.0% |
| **_5077-**-**-** | IT Direct | 34,268 | 41,864 | (7,596) | 122.2% |
| **_5114-**-**-** | Performance Based Merit Pay | 0 | 2,596 | (2,596) | 0.0% |
| **_5301-**-**-** | Group Insurance Waiver | 0 | 880 | (880) | 0.0% |
| **_5303-**-**-** | Medicare Tax Payments for Employees | 0 | 896 | (896) | 0.0% |
| **_5305-**-**-** | Scheduled Holiday Work | 3,036 | 2,380 | 656 | 78.4% |
| **_5306-**-**-** | Weekend Shift Pay | 0 | 100 | (100) | 0.0% |
| **_5309-**-**-** | Operating Leases | 916 | 1,240 | (324) | 135.4% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 207,012 | 283,908 | (76,896) | 137.1% |
| **_5700-**-**-** | Standby Pay | 11,484 | 6,944 | 4,540 | 60.5% |
| **_5705-**-**-** | Monthly Car Allowance | 5,228 | 2,512 | 2,716 | 48.0% |
| **_5802-**-**-** | Shipping/Freight | 0 | 116 | (116) | 0.0% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 41,456 | 43,416 | (1,960) | 104.7% |
| | Total South Coast Water District | 1,281,384 | 1,386,868 | (105,484) | 112.9% |
| | Total | 5,765,628 | 5,705,154 | 60,474 | 99.0% |
| | Total PC 02 - Jay B. Latham Plant | 5,765,628 | 5,705,154 | 60,474 | 99.0% |
| PC 03 - SOCWA Plant/PCA AWT | | | | | |
| Member Agency | | | | | |
| Moulton Niguel Water District | | | | | |
| **_5000-**-**-** | Regular Salaries-O&M | 0 | 2,224 | (2,224) | 0.0% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 0 | 1,920 | (1,920) | 0.0% |
| | Rounding | 0 | 5 | (5) | 0.0% |
| | Total Moulton Niguel Water District | 0 | 4,149 | (4,149) | 0.0% |
| | | | | | |
| Santa Margarita Water District | | | | | |
| **_5000-**-**-** | Regular Salaries-O&M | 0 | 216 | (216) | 0.0% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 0 | 192 | (192) | 0.0% |
| | Total Santa Margarita Water District | 0 | 408 | (408) | 0.0% |
| | | | | | |
| | Total Member Agency | 0 | 4,557 | (4,557) | 0.0% |
| | Total PC 03 - SOCWA Plant/PCA AWT | 0 | 4,557 | (4,557) | 0.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|----------------------|-------------------|------------------------|------------|
|----------------------|-------------------|------------------------|------------|

PC 05 - San Juan Creek Ocean Outfall

Member Agency

City of San Clemente

| | | | | | |
|------------------|---|--------|---------|----------|---------|
| **5000-**-** | Regular Salaries-O&M | 18,264 | 22,572 | (4,308) | 123.6% |
| **5001-**-** | Overtime Salaries-O&M | 480 | 12 | 468 | 2.5% |
| **5002-**-** | Electricity | 444 | 28 | 416 | 6.3% |
| **5003-**-** | Natural Gas | 108 | 36 | 72 | 33.3% |
| **5014-**-** | Engineering - Misc. | 2,132 | 588 | 1,544 | 27.6% |
| **5015-**-** | Management Support Services | 4,260 | 4,424 | (164) | 103.8% |
| **5017-**-** | Legal Fees | 0 | 108 | (108) | 0.0% |
| **5022-**-** | Miscellaneous Expense | 0 | 392 | (392) | 0.0% |
| **5027-**-** | Insurance - Property/Liability | 388 | 832 | (444) | 214.4% |
| **5031-**-** | Safety Supplies | 108 | 1,296 | (1,188) | 1200.0% |
| **5034-**-** | Travel Expense/Tech. Conferences | 636 | 92 | 544 | 14.5% |
| **5036-**-** | Laboratory Supplies | 3,620 | 3,492 | 128 | 96.5% |
| 05-5038-02-05-17 | Permits | 24,100 | 30,336 | (6,236) | 125.9% |
| **5044-**-** | Offshore Monitoring - 20A | 4,260 | 3,532 | 728 | 82.9% |
| **5045-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-**-** | Effluent Chemistry - 20C | 5,536 | 3,196 | 2,340 | 57.7% |
| **5056-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 472 | (472) | 0.0% |
| **5067-**-** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| 05-5069-02-05-17 | Misc-Capital-Dilution & Metering Study | 8,312 | 11,184 | (2,872) | 134.6% |
| **5101-**-** | Employee Recognition | 0 | 280 | (280) | 0.0% |
| 05-5301-02-12-17 | Vehicle Pay | 0 | 36 | (36) | 0.0% |
| **5305-**-** | Medicare Tax Payments for Employees | 0 | 436 | (436) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 320 | 0 | 320 | 0.0% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 12,968 | 19,552 | (6,584) | 150.8% |
| **5705-**-** | Monthly Car Allowance | 0 | 936 | (936) | 0.0% |
| 05-5802-01-12-17 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **6500-**-** | IT Allocations in to PC's & Depts. | 6,028 | 5,368 | 660 | 89.1% |
| | Total City of San Clemente | 91,964 | 109,204 | (17,240) | 118.7% |

City of San Juan Capistrano

| | | | | | |
|------------------|---|--------|--------|---------|--------|
| **5000-**-** | Regular Salaries-O&M | 29,464 | 20,724 | 8,740 | 70.3% |
| **5001-**-** | Overtime Salaries-O&M | 796 | 12 | 784 | 1.5% |
| **5002-**-** | Electricity | 532 | 24 | 508 | 4.5% |
| **5003-**-** | Natural Gas | 128 | 36 | 92 | 28.1% |
| **5014-**-** | Engineering - Misc. | 2,536 | 540 | 1,996 | 21.3% |
| **5015-**-** | Management Support Services | 5,072 | 4,060 | 1,012 | 80.0% |
| **5017-**-** | Legal Fees | 0 | 100 | (100) | 0.0% |
| **5022-**-** | Miscellaneous Expense | 0 | 360 | (360) | 0.0% |
| **5027-**-** | Insurance - Property/Liability | 260 | 556 | (296) | 213.8% |
| **5031-**-** | Safety Supplies | 128 | 1,188 | (1,060) | 928.1% |
| **5034-**-** | Travel Expense/Tech. Conferences | 760 | 84 | 676 | 11.1% |
| **5036-**-** | Laboratory Supplies | 4,312 | 3,204 | 1,108 | 74.3% |
| 05-5038-02-05-18 | Permits | 16,068 | 20,224 | (4,156) | 125.9% |
| 05-5040-02-06-18 | Natural Gas - 11-EPS - PC 5 | 120 | 0 | 120 | 0.0% |
| 05-5041-02-06-18 | Electricity - 10-EPS - PC 5 | 9,580 | 0 | 9,580 | 0.0% |
| 05-5042-02-06-18 | Contract Services - 29-EPS - PC 5 | 1,248 | 0 | 1,248 | 0.0% |
| **5044-**-** | Offshore Monitoring - 20A | 5,072 | 3,248 | 1,824 | 64.0% |
| **5045-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-**-** | Effluent Chemistry - 20C | 6,592 | 2,940 | 3,652 | 44.6% |
| **5056-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 436 | (436) | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------|--|----------------------|-------------------|------------------------|------------|
| **-5067-**-**-** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| 05-5069-02-05-18 | Misc-Capital-Dilution & Metering Study | 5,540 | 7,456 | (1,916) | 134.6% |
| **-5101-**-**-** | Employee Recognition | 0 | 256 | (256) | 0.0% |
| 05-5301-02-12-18 | Vehicle Pay | 0 | 32 | (32) | 0.0% |
| Page 21e | | | | | |
| **-5305-**-**-** | Medicare Tax Payments for Employees | 0 | 404 | (404) | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 532 | 0 | 532 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 20,920 | 17,956 | 2,964 | 85.8% |
| **-5705-**-**-** | Monthly Car Allowance | 0 | 860 | (860) | 0.0% |
| 05-5802-01-12-18 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 7,176 | 4,932 | 2,244 | 68.7% |
| | Total City of San Juan Capistrano | 116,836 | 89,636 | 27,200 | 76.7% |

Moulton Niguel Water District

| | | | | | |
|------------------|---|--------|--------|----------|---------|
| **-5000-**-**-** | Regular Salaries-O&M | 15,020 | 18,072 | (3,052) | 120.3% |
| **-5001-**-**-** | Overtime Salaries-O&M | 408 | 8 | 400 | 2.0% |
| **-5002-**-**-** | Electricity | 244 | 24 | 220 | 9.8% |
| **-5003-**-**-** | Natural Gas | 56 | 32 | 24 | 57.1% |
| **-5014-**-**-** | Engineering - Misc. | 1,148 | 472 | 676 | 41.1% |
| **-5015-**-**-** | Management Support Services | 2,304 | 3,540 | (1,236) | 153.6% |
| **-5017-**-**-** | Legal Fees | 0 | 88 | (88) | 0.0% |
| **-5022-**-**-** | Miscellaneous Expense | 0 | 312 | (312) | 0.0% |
| **-5027-**-**-** | Insurance - Property/Liability | 360 | 780 | (420) | 216.7% |
| **-5031-**-**-** | Safety Supplies | 56 | 1,036 | (980) | 1850.0% |
| **-5034-**-**-** | Travel Expense/Tech. Conferences | 348 | 72 | 276 | 20.7% |
| **-5036-**-**-** | Laboratory Supplies | 1,956 | 2,796 | (840) | 142.9% |
| 05-5038-02-05-22 | Permits | 22,488 | 28,308 | (5,820) | 125.9% |
| 05-5040-02-06-22 | Natural Gas - 11-EPS - PC 5 | 80 | 0 | 80 | 0.0% |
| 05-5041-02-06-22 | Electricity - 10-EPS - PC 5 | 6,384 | 0 | 6,384 | 0.0% |
| 05-5042-02-06-22 | Contract Services - 29-EPS - PC 5 | 832 | 0 | 832 | 0.0% |
| **-5044-**-**-** | Offshore Monitoring - 20A | 2,304 | 2,828 | (524) | 122.7% |
| **-5045-**-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-**-** | Effluent Chemistry - 20C | 2,992 | 2,560 | 432 | 85.6% |
| **-5056-**-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 380 | (380) | 0.0% |
| **-5067-**-**-** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| 05-5069-02-05-22 | Misc-Capital-Dilution & Metering Study | 7,756 | 10,436 | (2,680) | 134.6% |
| **-5101-**-**-** | Employee Recognition | 0 | 220 | (220) | 0.0% |
| 05-5301-02-12-22 | Vehicle Pay | 0 | 28 | (28) | 0.0% |
| **-5305-**-**-** | Medicare Tax Payments for Employees | 0 | 352 | (352) | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 272 | 0 | 272 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 10,664 | 15,648 | (4,984) | 146.7% |
| **-5705-**-**-** | Monthly Car Allowance | 0 | 748 | (748) | 0.0% |
| 05-5802-01-12-22 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 3,260 | 4,296 | (1,036) | 131.8% |
| | Rounding | 0 | (3) | 3 | 0.0% |
| | Total Moulton Niguel Water District | 78,932 | 93,037 | (14,105) | 117.9% |

Santa Margarita Water District

| | | | | | |
|------------------|-----------------------|--------|--------|-------|-------|
| **-5000-**-**-** | Regular Salaries-O&M | 29,428 | 28,852 | 576 | 98.0% |
| **-5001-**-**-** | Overtime Salaries-O&M | 792 | 16 | 776 | 2.0% |
| **-5002-**-**-** | Electricity | 596 | 40 | 556 | 6.7% |
| **-5003-**-**-** | Natural Gas | 144 | 52 | 92 | 36.1% |
| **-5014-**-**-** | Engineering - Misc. | 2,828 | 748 | 2,080 | 26.4% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------|---|----------------------|-------------------|------------------------|------------|
| **_5015-**-**_** | Management Support Services | 5,660 | 5,652 | 8 | 99.9% |
| **_5017-**-**_** | Legal Fees | 0 | 140 | (140) | 0.0% |
| **_5022-**-**_** | Miscellaneous Expense | 0 | 504 | (504) | 0.0% |
| **_5027-**-**_** | Insurance - Property/Liability | 1,032 | 2,216 | (1,184) | 214.7% |
| **_5031-**-**_** | Safety Supplies | 144 | 1,656 | (1,512) | 1150.0% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 852 | 112 | 740 | 13.1% |
| **_5036-**-**_** | Laboratory Supplies | 4,808 | 4,460 | 348 | 92.8% |
| 05-5038-02-05-23 | Permits | 64,264 | 80,896 | (16,632) | 125.9% |
| 05-5040-02-06-23 | Natural Gas - 11-EPS - PC 5 | 80 | 0 | 80 | 0.0% |
| 05-5041-02-06-23 | Electricity - 10-EPS - PC 5 | 6,384 | 0 | 6,384 | 0.0% |
| 05-5042-02-06-23 | Contract Services - 29-EPS - PC 5 | 832 | 0 | 832 | 0.0% |
| **_5044-**-**_** | Offshore Monitoring - 20A | 5,660 | 4,516 | 1,144 | 79.8% |
| **_5045-**-**_** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **_5046-**-**_** | Effluent Chemistry - 20C | 7,356 | 4,088 | 3,268 | 55.6% |
| **_5056-**-**_** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 608 | (608) | 0.0% |
| **_5067-**-**_** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| 05-5069-02-05-23 | Misc-Capital-Dilution & Metering Study | 22,160 | 29,820 | (7,660) | 134.6% |
| **_5101-**-**_** | Employee Recognition | 0 | 356 | (356) | 0.0% |
| **_5301-**-**_** | Vehicle Pay | 0 | 48 | (48) | 0.0% |
| **_5305-**-**_** | Medicare Tax Payments for Employees | 0 | 560 | (560) | 0.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 524 | 0 | 524 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 20,896 | 24,992 | (4,096) | 119.6% |
| **_5705-**-**_** | Monthly Car Allowance | 0 | 1,192 | (1,192) | 0.0% |
| 05-5802-01-12-23 | Shipping/Freight | 0 | 8 | (8) | 0.0% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 8,012 | 6,860 | 1,152 | 85.6% |
| | Total Santa Margarita Water District | 182,452 | 198,392 | (15,940) | 108.7% |

South Coast Water District

| | | | | | |
|------------------|---|--------|--------|---------|--------|
| **_5000-**-**_** | Regular Salaries-O&M | 18,992 | 9,384 | 9,608 | 49.4% |
| **_5001-**-**_** | Overtime Salaries-O&M | 524 | 4 | 520 | 0.8% |
| **_5002-**-**_** | Electricity | 288 | 12 | 276 | 4.2% |
| **_5003-**-**_** | Natural Gas | 68 | 16 | 52 | 23.5% |
| **_5014-**-**_** | Engineering - Misc. | 1,356 | 244 | 1,112 | 18.0% |
| **_5015-**-**_** | Management Support Services | 2,708 | 1,836 | 872 | 67.8% |
| **_5017-**-**_** | Legal Fees | 0 | 48 | (48) | 0.0% |
| **_5022-**-**_** | Miscellaneous Expense | 0 | 164 | (164) | 0.0% |
| **_5027-**-**_** | Insurance - Property/Liability | 292 | 624 | (332) | 213.7% |
| **_5031-**-**_** | Safety Supplies | 68 | 540 | (472) | 794.1% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 408 | 40 | 368 | 9.8% |
| **_5036-**-**_** | Laboratory Supplies | 2,300 | 1,452 | 848 | 63.1% |
| 05-5038-02-05-24 | Permits | 18,080 | 22,760 | (4,680) | 125.9% |
| 05-5040-02-06-24 | Natural Gas - 11-EPS - PC 5 | 116 | 0 | 116 | 0.0% |
| 05-5041-02-06-24 | Electricity - 10-EPS - PC 5 | 9,152 | 0 | 9,152 | 0.0% |
| 05-5042-02-06-24 | Contract Services - 29-EPS - PC 5 | 1,192 | 0 | 1,192 | 0.0% |
| **_5044-**-**_** | Offshore Monitoring - 20A | 2,708 | 1,468 | 1,240 | 54.2% |
| **_5045-**-**_** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **_5046-**-**_** | Effluent Chemistry - 20C | 3,524 | 1,328 | 2,196 | 37.7% |
| **_5056-**-**_** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 196 | (196) | 0.0% |
| **_5067-**-**_** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| 05-5069-02-05-24 | Misc-Capital-Dilution & Metering Study | 6,236 | 8,392 | (2,156) | 134.6% |
| **_5101-**-**_** | Employee Recognition | 0 | 116 | (116) | 0.0% |
| 05-5301-02-12-24 | Vehicle Pay | 0 | 16 | (16) | 0.0% |
| **_5305-**-**_** | Medicare Tax Payments for Employees | 0 | 180 | (180) | 0.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 344 | 0 | 344 | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------------------|--|----------------------|-------------------|------------------------|------------|
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 13,484 | 8,132 | 5,352 | 60.3% |
| **_5705-**-**-** | Monthly Car Allowance | 0 | 388 | (388) | 0.0% |
| 05-5802-01-12-24 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 3,832 | 2,232 | 1,600 | 58.2% |
| | Total South Coast Water District | 85,672 | 59,576 | 26,096 | 69.5% |
| | Total Member Agency | 555,856 | 549,845 | 6,011 | 98.9% |
| | Total PC 05 - San Juan Creek Ocean Outfall | 555,856 | 549,845 | 6,011 | 98.9% |
| PC 08 - Pre Treatment | | | | | |
| Member Agency | | | | | |
| City of Laguna Beach | | | | | |
| 08-5000-02-08-16 | Regular Salaries-O&M | 5,564 | 3,020 | 2,544 | 54.3% |
| 08-5001-02-08-16 | Overtime Salaries-O&M | 116 | 0 | 116 | 0.0% |
| 08-5011-02-08-16 | Laboratory Services | 160 | (68) | 228 | (42.5%) |
| 08-5015-02-08-16 | Management Support Services | 252 | 0 | 252 | 0.0% |
| 08-5016-02-08-16 | Audit - Environmental | 32 | 0 | 32 | 0.0% |
| 08-5017-02-08-16 | Legal Fees | 128 | 0 | 128 | 0.0% |
| 08-5018-02-08-16 | Public Notices/ Public Relations | 32 | 4 | 28 | 12.5% |
| 08-5021-02-08-16 | Small Vehicle Expense - 31A | 52 | 0 | 52 | 0.0% |
| 08-5022-02-08-16 | Miscellaneous Expense | 96 | 28 | 68 | 29.2% |
| 08-5026-02-08-16 | Small Vehicle Fuel - 37A | 76 | 0 | 76 | 0.0% |
| 08-5027-02-07-16 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 260 | 72 | 188 | 27.7% |
| 08-5031-02-08-16 | Safety Program & Supplies | 0 | 4 | (4) | 0.0% |
| 08-5034-02-08-16 | Travel Expense/Tech. Conferences | 220 | 124 | 96 | 56.4% |
| 08-5035-02-08-16 | Training Expense | 96 | 60 | 36 | 62.5% |
| 08-5039-02-08-16 | Membership Dues/Fees | 64 | 4 | 60 | 6.3% |
| 08-5306-02-08-16 | Scheduled Holiday Work | 76 | 0 | 76 | 0.0% |
| 08-5401-02-08-16 | Fringe Benefits IN to PC's & Depts. | 3,948 | 2,616 | 1,332 | 66.3% |
| | Total City of Laguna Beach | 11,172 | 6,024 | 5,148 | 53.9% |
| City of San Clemente | | | | | |
| 08-5000-02-08-17 | Regular Salaries-O&M | 5,608 | 6,720 | (1,112) | 119.8% |
| 08-5001-02-08-17 | Overtime Salaries-O&M | 116 | 0 | 116 | 0.0% |
| 08-5011-02-08-17 | Laboratory Services | 160 | (148) | 308 | (92.5%) |
| 08-5015-02-08-17 | Management Support Services | 256 | 0 | 256 | 0.0% |
| 08-5016-02-08-17 | Audit - Environmental | 32 | 0 | 32 | 0.0% |
| 08-5017-02-08-17 | Legal Fees | 128 | 0 | 128 | 0.0% |
| 08-5018-02-08-17 | Public Notices/ Public Relations | 32 | 12 | 20 | 37.5% |
| 08-5021-02-08-17 | Small Vehicle Expense - 31A | 56 | 0 | 56 | 0.0% |
| 08-5022-02-08-17 | Miscellaneous Expense | 96 | 64 | 32 | 66.7% |
| 08-5026-02-08-17 | Small Vehicle Fuel - 37A | 76 | 0 | 76 | 0.0% |
| 08-5027-02-07-17 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 260 | 164 | 96 | 63.1% |
| 08-5031-02-08-17 | Safety Program & Supplies | 0 | 12 | (12) | 0.0% |
| 08-5034-02-08-17 | Travel Expense/Tech. Conferences | 224 | 276 | (52) | 123.2% |
| 08-5035-02-08-17 | Training Expense | 96 | 132 | (36) | 137.5% |
| 08-5039-02-08-17 | Membership Dues/Fees | 64 | 12 | 52 | 18.8% |
| 08-5306-02-08-17 | Scheduled Holiday Work | 76 | 0 | 76 | 0.0% |
| 08-5401-02-08-17 | Fringe Benefits IN to PC's & Depts. | 3,980 | 5,820 | (1,840) | 146.2% |
| | Total City of San Clemente | 11,260 | 13,224 | (1,964) | 117.4% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|-------------------------------------|----------------------|-------------------|------------------------|------------|
| City of San Juan Capistrano | | | | | |
| 08-5000-02-08-18 | Regular Salaries-O&M | 9,160 | 3,532 | 5,628 | 38.6% |
| 08-5001-02-08-18 | Overtime Salaries-O&M | 188 | 0 | 188 | 0.0% |
| 08-5011-02-08-18 | Laboratory Services | 260 | (80) | 340 | (30.8%) |
| 08-5015-02-08-18 | Management Support Services | 416 | 0 | 416 | 0.0% |
| 08-5016-02-08-18 | Audit - Environmental | 52 | 0 | 52 | 0.0% |
| 08-5017-02-08-18 | Legal Fees | 208 | 0 | 208 | 0.0% |
| 08-5018-02-08-18 | Public Notices/ Public Relations | 52 | 8 | 44 | 15.4% |
| 08-5021-02-08-18 | Small Vehicle Expense - 31A | 88 | 0 | 88 | 0.0% |
| 08-5022-02-08-18 | Miscellaneous Expense | 156 | 32 | 124 | 20.5% |
| 08-5026-02-08-18 | Small Vehicle Fuel - 37A | 124 | 0 | 124 | 0.0% |
| 08-5027-02-07-18 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 360 | 88 | 272 | 24.4% |
| 08-5031-02-08-18 | Safety Program & Supplies | 0 | 8 | (8) | 0.0% |
| 08-5034-02-08-18 | Travel Expense/Tech. Conferences | 364 | 144 | 220 | 39.6% |
| 08-5035-02-08-18 | Training Expense | 156 | 68 | 88 | 43.6% |
| 08-5039-02-08-18 | Membership Dues/Fees | 104 | 8 | 96 | 7.7% |
| 08-5306-02-08-18 | Scheduled Holiday Work | 124 | 0 | 124 | 0.0% |
| 08-5401-02-08-18 | Fringe Benefits IN to PC's & Depts. | 6,504 | 3,060 | 3,444 | 47.0% |
| | Total City of San Juan Capistrano | 18,316 | 7,028 | 11,288 | 38.4% |
| El Toro Water District | | | | | |
| 08-5000-02-08-19 | Regular Salaries-O&M | 4,896 | 1,984 | 2,912 | 40.5% |
| 08-5001-02-08-19 | Overtime Salaries-O&M | 100 | 0 | 100 | 0.0% |
| 08-5011-02-08-19 | Laboratory Services | 140 | (44) | 184 | (31.4%) |
| 08-5015-02-08-19 | Management Support Services | 224 | 0 | 224 | 0.0% |
| 08-5016-02-08-19 | Audit - Environmental | 28 | 0 | 28 | 0.0% |
| 08-5017-02-08-19 | Legal Fees | 112 | 0 | 112 | 0.0% |
| 08-5018-02-08-19 | Public Notices/ Public Relations | 28 | 4 | 24 | 14.3% |
| 08-5021-02-08-19 | Small Vehicle Expense - 31A | 48 | 0 | 48 | 0.0% |
| 08-5022-02-08-19 | Miscellaneous Expense | 84 | 20 | 64 | 23.8% |
| 08-5026-02-08-19 | Small Vehicle Fuel - 37A | 68 | 0 | 68 | 0.0% |
| 08-5027-02-07-19 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 240 | 48 | 192 | 20.0% |
| 08-5031-02-08-19 | Safety Program & Supplies | 0 | 4 | (4) | 0.0% |
| 08-5034-02-08-19 | Travel Expense/Tech. Conferences | 196 | 80 | 116 | 40.8% |
| 08-5035-02-08-19 | Training Expense | 84 | 40 | 44 | 47.6% |
| 08-5039-02-08-19 | Membership Dues/Fees | 56 | 4 | 52 | 7.1% |
| 08-5306-02-08-19 | Scheduled Holiday Work | 68 | 0 | 68 | 0.0% |
| 08-5401-02-08-19 | Fringe Benefits IN to PC's & Depts. | 3,476 | 1,720 | 1,756 | 49.5% |
| | Total El Toro Water District | 9,848 | 4,020 | 5,828 | 40.8% |
| Emerald Bay Service District | | | | | |
| 08-5000-02-08-20 | Regular Salaries-O&M | 544 | 868 | (324) | 159.6% |
| 08-5001-02-08-20 | Overtime Salaries-O&M | 12 | 0 | 12 | 0.0% |
| 08-5011-02-08-20 | Laboratory Services | 16 | (20) | 36 | (125.0%) |
| 08-5015-02-08-20 | Management Support Services | 24 | 0 | 24 | 0.0% |
| 08-5016-02-08-20 | Audit - Environmental | 4 | 0 | 4 | 0.0% |
| 08-5017-02-08-20 | Legal Fees | 12 | 0 | 12 | 0.0% |
| 08-5018-02-08-20 | Public Notices/ Public Relations | 4 | 0 | 4 | 0.0% |
| 08-5021-02-08-20 | Small Vehicle Expense - 31A | 4 | 0 | 4 | 0.0% |
| 08-5022-02-08-20 | Miscellaneous Expense | 8 | 8 | 0 | 100.0% |
| 08-5026-02-08-20 | Small Vehicle Fuel - 37A | 8 | 0 | 8 | 0.0% |
| 08-5027-02-07-20 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|-------------------------------------|----------------------|-------------------|------------------------|------------|
| **-5028-**-**-** | Small Tools & Supplies | 116 | 20 | 96 | 17.2% |
| 08-5034-02-08-20 | Travel Expense/Tech. Conferences | 20 | 36 | (16) | 180.0% |
| 08-5035-02-08-20 | Training Expense | 8 | 16 | (8) | 200.0% |
| 08-5039-02-08-20 | Membership Dues/Fees | 8 | 0 | 8 | 0.0% |
| 08-5306-02-08-20 | Scheduled Holiday Work | 8 | 0 | 8 | 0.0% |
| 08-5401-02-08-20 | Fringe Benefits IN to PC's & Depts. | 388 | 752 | (364) | 193.8% |
| | Total Emerald Bay Service District | 1,184 | 1,840 | (656) | 155.4% |
| Irvine Ranch Water District | | | | | |
| 08-5000-02-08-21 | Regular Salaries-O&M | 5,940 | 9,296 | (3,356) | 156.5% |
| 08-5001-02-08-21 | Overtime Salaries-O&M | 120 | 0 | 120 | 0.0% |
| 08-5011-02-08-21 | Laboratory Services | 168 | (204) | 372 | (121.4%) |
| 08-5015-02-08-21 | Management Support Services | 272 | 0 | 272 | 0.0% |
| 08-5016-02-08-21 | Audit - Environmental | 32 | 0 | 32 | 0.0% |
| 08-5017-02-08-21 | Legal Fees | 136 | 0 | 136 | 0.0% |
| 08-5018-02-08-21 | Public Notices/ Public Relations | 32 | 16 | 16 | 50.0% |
| 08-5021-02-08-21 | Small Vehicle Expense - 31A | 56 | 0 | 56 | 0.0% |
| 08-5022-02-08-21 | Miscellaneous Expense | 100 | 88 | 12 | 88.0% |
| 08-5026-02-08-21 | Small Vehicle Fuel - 37A | 80 | 0 | 80 | 0.0% |
| 08-5027-02-07-21 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **-5028-**-**-** | Small Tools & Supplies | 268 | 228 | 40 | 85.1% |
| 08-5031-02-08-21 | Safety Program & Supplies | 0 | 16 | (16) | 0.0% |
| 08-5034-02-08-21 | Travel Expense/Tech. Conferences | 236 | 380 | (144) | 161.0% |
| 08-5035-02-08-21 | Training Expense | 100 | 184 | (84) | 184.0% |
| 08-5039-02-08-21 | Membership Dues/Fees | 68 | 16 | 52 | 23.5% |
| 08-5306-02-08-21 | Scheduled Holiday Work | 80 | 0 | 80 | 0.0% |
| 08-5401-02-08-21 | Fringe Benefits IN to PC's & Depts. | 4,216 | 8,052 | (3,836) | 191.0% |
| | Total Irvine Ranch Water District | 11,904 | 18,232 | (6,328) | 153.2% |
| Moulton Niguel Water District | | | | | |
| 08-5000-02-08-22 | Regular Salaries-O&M | 19,524 | 18,132 | 1,392 | 92.9% |
| 08-5001-02-08-22 | Overtime Salaries-O&M | 400 | 0 | 400 | 0.0% |
| 08-5011-02-08-22 | Laboratory Services | 556 | (400) | 956 | (71.9%) |
| 08-5015-02-08-22 | Management Support Services | 892 | 0 | 892 | 0.0% |
| 08-5016-02-08-22 | Audit - Environmental | 112 | 0 | 112 | 0.0% |
| 08-5017-02-08-22 | Legal Fees | 444 | 0 | 444 | 0.0% |
| 08-5018-02-08-22 | Public Notices/ Public Relations | 112 | 36 | 76 | 32.1% |
| 08-5021-02-08-22 | Small Vehicle Expense - 31A | 188 | 0 | 188 | 0.0% |
| 08-5022-02-08-22 | Miscellaneous Expense | 332 | 172 | 160 | 51.8% |
| 08-5026-02-08-22 | Small Vehicle Fuel - 37A | 268 | 0 | 268 | 0.0% |
| 08-5027-02-07-22 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **-5028-**-**-** | Small Tools & Supplies | 656 | 444 | 212 | 67.7% |
| 08-5031-02-08-22 | Safety Program & Supplies | 0 | 36 | (36) | 0.0% |
| 08-5034-02-08-22 | Travel Expense/Tech. Conferences | 780 | 744 | 36 | 95.4% |
| 08-5035-02-08-22 | Training Expense | 332 | 356 | (24) | 107.2% |
| 08-5039-02-08-22 | Membership Dues/Fees | 224 | 32 | 192 | 14.3% |
| 08-5306-02-08-22 | Scheduled Holiday Work | 268 | 0 | 268 | 0.0% |
| 08-5401-02-08-22 | Fringe Benefits IN to PC's & Depts. | 13,860 | 15,704 | (1,844) | 113.3% |
| | Rounding | 0 | 11 | (11) | 0.0% |
| | Total Moulton Niguel Water District | 38,948 | 35,427 | 3,521 | 90.9% |
| Santa Margarita Water District | | | | | |
| 08-5000-02-08-23 | Regular Salaries-O&M | 20,864 | 19,620 | 1,244 | 94.0% |
| 08-5001-02-08-23 | Overtime Salaries-O&M | 428 | 0 | 428 | 0.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--|--------------------------------------|----------------------|-------------------|------------------------|------------|
| 08-5011-02-08-23 | Laboratory Services | 596 | (432) | 1,028 | (72.5%) |
| 08-5015-02-08-23 | Management Support Services | 952 | 0 | 952 | 0.0% |
| 08-5016-02-08-23 | Audit - Environmental | 120 | 0 | 120 | 0.0% |
| 08-5017-02-08-23 | Legal Fees | 476 | 0 | 476 | 0.0% |
| 08-5018-02-08-23 | Public Notices/ Public Relations | 120 | 36 | 84 | 30.0% |
| 08-5021-02-08-23 | Small Vehicle Expense - 31A | 204 | 0 | 204 | 0.0% |
| 08-5022-02-08-23 | Miscellaneous Expense | 356 | 188 | 168 | 52.8% |
| 08-5026-02-08-23 | Small Vehicle Fuel - 37A | 284 | 0 | 284 | 0.0% |
| 08-5027-02-07-23 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 696 | 480 | 216 | 69.0% |
| 08-5031-02-08-23 | Safety Program & Supplies | 0 | 36 | (36) | 0.0% |
| 08-5034-02-08-23 | Travel Expense/Tech. Conferences | 832 | 804 | 28 | 96.6% |
| 08-5035-02-08-23 | Training Expense | 356 | 384 | (28) | 107.9% |
| 08-5039-02-08-23 | Membership Dues/Fees | 236 | 36 | 200 | 15.3% |
| 08-5306-02-08-23 | Scheduled Holiday Work | 284 | 0 | 284 | 0.0% |
| 08-5401-02-08-23 | Fringe Benefits IN to PC's & Depts. | 14,812 | 16,996 | (2,184) | 114.7% |
| | Total Santa Margarita Water District | 41,616 | 38,308 | 3,308 | 92.1% |
| South Coast Water District | | | | | |
| 08-5000-02-08-24 | Regular Salaries-O&M | 15,644 | 13,324 | 2,320 | 85.2% |
| 08-5001-02-08-24 | Overtime Salaries-O&M | 320 | 0 | 320 | 0.0% |
| 08-5011-02-08-24 | Laboratory Services | 444 | (296) | 740 | (66.7%) |
| 08-5015-02-08-24 | Management Support Services | 712 | 0 | 712 | 0.0% |
| 08-5016-02-08-24 | Audit - Environmental | 88 | 0 | 88 | 0.0% |
| 08-5017-02-08-24 | Legal Fees | 356 | 0 | 356 | 0.0% |
| 08-5018-02-08-24 | Public Notices/ Public Relations | 88 | 24 | 64 | 27.3% |
| 08-5021-02-08-24 | Small Vehicle Expense - 31A | 152 | 0 | 152 | 0.0% |
| 08-5022-02-08-24 | Miscellaneous Expense | 268 | 128 | 140 | 47.8% |
| 08-5026-02-08-24 | Small Vehicle Fuel - 37A | 212 | 0 | 212 | 0.0% |
| 08-5027-02-07-24 | Insurance - Property/Liability | 0 | 160 | (160) | 0.0% |
| **_5028-**-**-** | Small Tools & Supplies | 544 | 328 | 216 | 60.3% |
| 08-5031-02-08-24 | Safety Program & Supplies | 0 | 24 | (24) | 0.0% |
| 08-5034-02-08-24 | Travel Expense/Tech. Conferences | 624 | 544 | 80 | 87.2% |
| 08-5035-02-08-24 | Training Expense | 268 | 260 | 8 | 97.0% |
| 08-5039-02-08-24 | Membership Dues/Fees | 180 | 24 | 156 | 13.3% |
| 08-5306-02-08-24 | Scheduled Holiday Work | 212 | 0 | 212 | 0.0% |
| 08-5401-02-08-24 | Fringe Benefits IN to PC's & Depts. | 11,108 | 11,540 | (432) | 103.9% |
| | Total South Coast Water District | 31,220 | 26,060 | 5,160 | 83.5% |
| | Total Member Agency | 175,468 | 150,163 | 25,305 | 85.6% |
| | Total PC 08 - Pre Treatment | 175,468 | 150,163 | 25,305 | 85.6% |
| PC 12 - Water Reclamation Permits | | | | | |
| Member Agency | | | | | |
| City of San Juan Capistrano | | | | | |
| **_5000-**-**-** | Regular Salaries-O&M | 2,492 | 3,596 | (1,104) | 144.3% |
| **_5001-**-**-** | Overtime Salaries-O&M | 108 | 24 | 84 | 22.2% |
| **_5015-**-**-** | Management Support Services | 3,400 | 244 | 3,156 | 7.2% |
| **_5017-**-**-** | Legal Fees | 604 | 0 | 604 | 0.0% |
| **_5027-**-**-** | Insurance - Property/Liability | 0 | 184 | (184) | 0.0% |
| **_5038-**-**-** | Permits | 9,816 | 11,032 | (1,216) | 112.4% |
| **_5306-**-**-** | Scheduled Holiday Work | 72 | 0 | 72 | 0.0% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 1,772 | 3,112 | (1,340) | 175.6% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 1,508 | 1,548 | (40) | 102.7% |
| | Total City of San Juan Capistrano | 19,772 | 19,740 | 32 | 99.8% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|--------------------------------------|----------------------|-------------------|------------------------|------------|
| EI Toro Water District | | | | | |
| 12-5000-02-10-19 | Regular Salaries-O&M | 2,360 | 0 | 2,360 | 0.0% |
| 12-5001-02-10-19 | Overtime Salaries-O&M | 104 | 0 | 104 | 0.0% |
| 12-5015-02-10-19 | Management Support Services | 3,216 | 0 | 3,216 | 0.0% |
| 12-5017-02-10-19 | Legal Fees | 572 | 0 | 572 | 0.0% |
| 12-5038-02-10-19 | Permits | 9,288 | 0 | 9,288 | 0.0% |
| 12-5306-02-10-19 | Scheduled Holiday Work | 68 | 0 | 68 | 0.0% |
| 12-5401-02-10-19 | Fringe Benefits IN to PC's & Depts. | 1,676 | 0 | 1,676 | 0.0% |
| 12-6500-02-10-19 | IT Allocations in to PC's & Depts. | 1,428 | 0 | 1,428 | 0.0% |
| | Total EI Toro Water District | 18,712 | 0 | 18,712 | 0.0% |
| Irvine Ranch Water District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 2,816 | 3,756 | (940) | 133.4% |
| **_5001-**-**_** | Overtime Salaries-O&M | 124 | 24 | 100 | 19.4% |
| **_5015-**-**_** | Management Support Services | 3,840 | 252 | 3,588 | 6.6% |
| **_5017-**-**_** | Legal Fees | 684 | 0 | 684 | 0.0% |
| **_5027-**-**_** | Insurance - Property/Liability | 0 | 192 | (192) | 0.0% |
| **_5038-**-**_** | Permits | 11,088 | 11,528 | (440) | 104.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 80 | 0 | 80 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 2,000 | 3,252 | (1,252) | 162.6% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 1,704 | 1,616 | 88 | 94.8% |
| | Total Irvine Ranch Water District | 22,336 | 20,620 | 1,716 | 92.3% |
| Moulton Niguel Water District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 10,624 | 10,008 | 616 | 94.2% |
| **_5001-**-**_** | Overtime Salaries-O&M | 464 | 68 | 396 | 14.7% |
| **_5015-**-**_** | Management Support Services | 14,468 | 676 | 13,792 | 4.7% |
| **_5017-**-**_** | Legal Fees | 2,572 | 0 | 2,572 | 0.0% |
| **_5034-**-**_** | Insurance - Property/Liability | 0 | 520 | (520) | 0.0% |
| **_5038-**-**_** | Permits | 41,796 | 30,704 | 11,092 | 73.5% |
| **_5401-**-**_** | Scheduled Holiday Work | 308 | 0 | 308 | 0.0% |
| **_5705-**-**_** | Fringe Benefits IN to PC's & Depts. | 7,544 | 8,668 | (1,124) | 114.9% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 6,432 | 4,308 | 2,124 | 67.0% |
| | Rounding | 0 | 36 | (36) | 0.0% |
| | Total Moulton Niguel Water District | 84,208 | 54,988 | 29,220 | 65.3% |
| Santa Margarita Water District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 8,368 | 11,144 | (2,776) | 133.2% |
| **_5001-**-**_** | Overtime Salaries-O&M | 364 | 76 | 288 | 20.9% |
| **_5015-**-**_** | Management Support Services | 11,392 | 752 | 10,640 | 6.6% |
| **_5017-**-**_** | Legal Fees | 2,028 | 0 | 2,028 | 0.0% |
| **_5027-**-**_** | Insurance - Property/Liability | 0 | 576 | (576) | 0.0% |
| **_5038-**-**_** | Permits | 32,912 | 34,196 | (1,284) | 103.9% |
| **_5306-**-**_** | Scheduled Holiday Work | 244 | 0 | 244 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 5,940 | 9,652 | (3,712) | 162.5% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 5,064 | 4,796 | 268 | 94.7% |
| | Total Santa Margarita Water District | 66,312 | 61,192 | 5,120 | 92.3% |
| South Coast Water District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 3,360 | 4,064 | (704) | 121.0% |
| **_5001-**-**_** | Overtime Salaries-O&M | 148 | 28 | 120 | 18.9% |
| **_5015-**-**_** | Management Support Services | 4,576 | 276 | 4,300 | 6.0% |
| **_5017-**-**_** | Legal Fees | 816 | 0 | 816 | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--|---|----------------------|-------------------|------------------------|------------|
| **_5027-**-**_** | Insurance - Property/Liability | 0 | 208 | (208) | 0.0% |
| **_5038-**-**_** | Permits | 13,224 | 12,460 | 764 | 94.2% |
| **_5306-**-**_** | Scheduled Holiday Work | 96 | 0 | 96 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 2,388 | 3,516 | (1,128) | 147.2% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 2,036 | 1,748 | 288 | 85.9% |
| | Total South Coast Water District | 26,644 | 22,300 | 4,344 | 83.7% |
| Trabuco Canyon Water District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 3,020 | 2,992 | 28 | 99.1% |
| **_5001-**-**_** | Overtime Salaries-O&M | 132 | 20 | 112 | 15.2% |
| **_5015-**-**_** | Management Support Services | 4,112 | 200 | 3,912 | 4.9% |
| **_5017-**-**_** | Legal Fees | 732 | 0 | 732 | 0.0% |
| 12-5027-02-10-25 | Insurance - Property/Liability | 0 | 152 | (152) | 0.0% |
| **_5038-**-**_** | Permits | 11,884 | 9,172 | 2,712 | 77.2% |
| **_5306-**-**_** | Scheduled Holiday Work | 88 | 0 | 88 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 2,144 | 2,588 | (444) | 120.7% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 1,828 | 1,288 | 540 | 70.5% |
| | Total Trabuco Canyon Water District | 23,940 | 16,412 | 7,528 | 68.7% |
| | Total Member Agency | 261,924 | 195,252 | 66,672 | 74.5% |
| | Total PC 12 - Water Reclamation Permits | 261,924 | 195,252 | 66,672 | 74.5% |
| PC 15 - Coastal Treatment Plant | | | | | |
| Member Agency | | | | | |
| City of Laguna Beach | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 423,824 | 369,200 | 54,624 | 87.1% |
| **_5001-**-**_** | Overtime Salaries-O&M | 6,744 | 10,788 | (4,044) | 160.0% |
| **_5002-**-**_** | Electricity | 157,412 | 116,536 | 40,876 | 74.0% |
| **_5003-**-**_** | Natural Gas | 1,544 | 1,344 | 200 | 87.0% |
| **_5004-**-**_** | Potable & Reclaimed Water | 5,264 | 10,316 | (5,052) | 196.0% |
| 15-5006-01-01-16 | Chlorine/Sodium Hypochlorite | 3,492 | 380 | 3,112 | 10.9% |
| 15-5007-01-01-16 | Polymer Products | 520 | 0 | 520 | 0.0% |
| 15-5008-01-01-16 | Ferric Chloride | 18,668 | 16,564 | 2,104 | 88.7% |
| 15-5009-01-01-16 | Odor Control Chemicals | 49,944 | 42,216 | 7,728 | 84.5% |
| 15-5010-01-01-16 | Other Chemicals - Misc. | 0 | 276 | (276) | 0.0% |
| 15-5011-02-01-16 | Laboratory Services | 5,880 | 2,420 | 3,460 | 41.2% |
| 15-5012-01-01-16 | Grit Hauling - 21A | 17,092 | 14,556 | 2,536 | 85.2% |
| **_5013-**-**_** | Landscaping | 18,952 | 28,944 | (9,992) | 152.7% |
| **_5014-**-**_** | Engineering - Misc. | 24,640 | 2,728 | 21,912 | 11.1% |
| **_5015-**-**_** | Management Support Services | 4,552 | 2,320 | 2,232 | 51.0% |
| **_5017-**-**_** | Legal Fees | 18,952 | 11,596 | 7,356 | 61.2% |
| **_5019-**-**_** | Contract Services Misc. - 29 | 26,952 | 17,624 | 9,328 | 65.4% |
| **_5021-**-**_** | Small Vehicle Expense - 31A | 2,860 | 2,464 | 396 | 86.2% |
| **_5022-**-**_** | Miscellaneous Expense | 1,024 | 556 | 468 | 54.3% |
| **_5023-**-**_** | Office Supplies - All | 2,424 | 2,192 | 232 | 90.4% |
| 15-5024-01-01-16 | Petroleum Products | 1,032 | 2,340 | (1,308) | 226.7% |
| **_5025-**-**_** | Uniforms | 2,964 | 3,420 | (456) | 115.4% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 2,964 | 568 | 2,396 | 19.2% |
| **_5027-**-**_** | Insurance - Property/Liability | 4,984 | 9,880 | (4,896) | 198.2% |
| **_5028-**-**_** | Small Tools & Supplies | 2,728 | 2,924 | (196) | 107.2% |
| **_5030-**-**_** | Trash Disposal | 1,176 | 476 | 700 | 40.5% |
| **_5031-**-**_** | Safety Supplies | 7,016 | 7,780 | (764) | 110.9% |
| **_5032-**-**_** | Equipment Rental | 456 | 92 | 364 | 20.2% |
| 15-5033-01-03-16 | Recruitment | 0 | 112 | (112) | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|--|----------------------|-------------------|------------------------|------------|
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 1,896 | 464 | 1,432 | 24.5% |
| **_5035-**-**_** | Training Expense | 2,272 | 4,624 | (2,352) | 203.5% |
| 15-5036-02-01-16 | Laboratory Supplies | 5,456 | 3,304 | 2,152 | 60.6% |
| **_5037-**-**_** | Office Equipment | 376 | 64 | 312 | 17.0% |
| **_5038-**-**_** | Permits | 4,928 | 1,796 | 3,132 | 36.4% |
| **_5039-**-**_** | Membership Dues/Fees | 752 | 600 | 152 | 79.8% |
| **_5047-**-**_** | Access Road Expenses | 17,208 | 13,740 | 3,468 | 79.8% |
| **_5048-**-**_** | Storm Damage | 7,048 | 11,596 | (4,548) | 164.5% |
| 15-5049-01-01-16 | Biosolids Disposal - 21B | 75,764 | 0 | 75,764 | 0.0% |
| **_5050-**-**_** | Contract Services Generators - 29A | 1,592 | 4,000 | (2,408) | 251.3% |
| **_5052-**-**_** | Janitorial Services | 3,792 | 2,644 | 1,148 | 69.7% |
| 15-5054-01-01-16 | Diesel Truck Maint - 31B | 608 | 1,980 | (1,372) | 325.7% |
| 15-5057-01-01-16 | Maintenance Equip. & Facilities (Liquids) 41-B | 90,368 | 75,276 | 15,092 | 83.3% |
| **_5058-**-**_** | Maintenance Equip. & Facilities (Common) 41-C | 6,296 | 9,028 | (2,732) | 143.4% |
| **_5061-**-**_** | Mileage | 604 | 216 | 388 | 35.8% |
| 15-5077-01-03-16 | IT Direct | 0 | 31,364 | (31,364) | 0.0% |
| 15-5301-01-01-16 | Vehicle Pay | 0 | 2,316 | (2,316) | 0.0% |
| **_5302-**-**_** | Performance Based Merit Pay | 0 | 3,140 | (3,140) | 0.0% |
| **_5303-**-**_** | Group Insurance Waiver | 0 | 928 | (928) | 0.0% |
| **_5305-**-**_** | Medicare Tax Payments for Employees | 0 | 2,040 | (2,040) | 0.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 4,504 | 2,020 | 2,484 | 44.8% |
| **_5307-**-**_** | Weekend Shift Pay | 0 | 52 | (52) | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 300,912 | 318,880 | (17,968) | 106.0% |
| **_5700-**-**_** | Standby Pay | 17,376 | 5,120 | 12,256 | 29.5% |
| **_5705-**-**_** | Monthly Car Allowance | 2,012 | 472 | 1,540 | 23.5% |
| 15-5802-01-03-16 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 45,056 | 43,960 | 1,096 | 97.6% |
| | Total City of Laguna Beach | 1,402,880 | 1,220,240 | 182,640 | 87.0% |
| Emerald Bay Service District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 16,152 | 13,728 | 2,424 | 85.0% |
| **_5001-**-**_** | Overtime Salaries-O&M | 260 | 348 | (88) | 133.8% |
| **_5002-**-**_** | Electricity | 5,076 | 3,432 | 1,644 | 67.6% |
| **_5003-**-**_** | Natural Gas | 48 | 40 | 8 | 83.3% |
| **_5004-**-**_** | Potable & Reclaimed Water | 344 | 328 | 16 | 95.3% |
| 15-5006-01-01-20 | Chlorine/Sodium Hypochlorite | 108 | 12 | 96 | 11.1% |
| 15-5007-01-01-20 | Polymer Products | 16 | 0 | 16 | 0.0% |
| 15-5008-01-01-20 | Ferric Chloride | 584 | 468 | 116 | 80.1% |
| 15-5009-01-01-20 | Odor Control Chemicals | 1,556 | 1,192 | 364 | 76.6% |
| 15-5010-01-01-20 | Other Chemicals - Misc. | 0 | 8 | (8) | 0.0% |
| 15-5011-02-01-20 | Laboratory Services | 184 | 68 | 116 | 37.0% |
| 15-5012-01-01-20 | Grit Hauling - 21A | 532 | 412 | 120 | 77.4% |
| **_5013-**-**_** | Landscaping | 1,496 | 2,284 | (788) | 152.7% |
| **_5014-**-**_** | Engineering - Misc. | 1,944 | 216 | 1,728 | 11.1% |
| **_5015-**-**_** | Management Support Services | 360 | 184 | 176 | 51.1% |
| **_5017-**-**_** | Legal Fees | 1,496 | 916 | 580 | 61.2% |
| **_5019-**-**_** | Contract Services Misc. - 29 | 2,128 | 1,392 | 736 | 65.4% |
| **_5021-**-**_** | Small Vehicle Expense - 31A | 108 | 88 | 20 | 81.5% |
| **_5022-**-**_** | Miscellaneous Expense | 80 | 44 | 36 | 55.0% |
| **_5023-**-**_** | Office Supplies - All | 192 | 172 | 20 | 89.6% |
| 15-5024-01-01-20 | Petroleum Products | 32 | 68 | (36) | 212.5% |
| **_5025-**-**_** | Uniforms | 112 | 124 | (12) | 110.7% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 112 | 20 | 92 | 17.9% |
| **_5027-**-**_** | Insurance - Property/Liability | 392 | 780 | (388) | 199.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--------------------------------------|--|----------------------|-------------------|------------------------|------------|
| **_5028-**-**-** | Small Tools & Supplies | 216 | 232 | (16) | 107.4% |
| **_5030-**-**-** | Trash Disposal | 96 | 36 | 60 | 37.5% |
| **_5031-**-**-** | Safety Supplies | 552 | 612 | (60) | 110.9% |
| **_5032-**-**-** | Equipment Rental | 32 | 8 | 24 | 25.0% |
| 15-5033-01-03-20 | Recruitment | 0 | 8 | (8) | 0.0% |
| **_5034-**-**-** | Travel Expense/Tech. Conferences | 144 | 36 | 108 | 25.0% |
| **_5035-**-**-** | Training Expense | 176 | 364 | (188) | 206.8% |
| 15-5036-02-01-20 | Laboratory Supplies | 172 | 92 | 80 | 53.5% |
| **_5037-**-**-** | Office Equipment | 32 | 4 | 28 | 12.5% |
| **_5038-**-**-** | Permits | 384 | 140 | 244 | 36.5% |
| **_5039-**-**-** | Membership Dues/Fees | 64 | 48 | 16 | 75.0% |
| **_5047-**-**-** | Access Road Expenses | 1,360 | 1,084 | 276 | 79.7% |
| **_5048-**-**-** | Storm Damage | 560 | 916 | (356) | 163.6% |
| 15-5049-01-01-20 | Biosolids Disposal - 21B | 2,364 | 0 | 2,364 | 0.0% |
| **_5050-**-**-** | Contract Services Generators - 29A | 128 | 316 | (188) | 246.9% |
| **_5052-**-**-** | Janitorial Services | 296 | 208 | 88 | 70.3% |
| 15-5054-01-01-20 | Diesel Truck Maint - 31B | 20 | 56 | (36) | 280.0% |
| 15-5057-01-01-20 | Maintenance Equip. & Facilities (Liquids) 41-B | 2,816 | 2,128 | 688 | 75.6% |
| **_5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 496 | 712 | (216) | 143.5% |
| **_5061-**-**-** | Mileage | 24 | 8 | 16 | 33.3% |
| 15-5077-01-03-20 | IT Direct | 0 | 2,472 | (2,472) | 0.0% |
| **_5302-**-**-** | Performance Based Merit Pay | 0 | 112 | (112) | 0.0% |
| **_5303-**-**-** | Group Insurance Waiver | 0 | 32 | (32) | 0.0% |
| **_5305-**-**-** | Medicare Tax Payments for Employees | 0 | 76 | (76) | 0.0% |
| **_5306-**-**-** | Scheduled Holiday Work | 168 | 76 | 92 | 45.2% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 11,472 | 11,856 | (384) | 103.3% |
| **_5700-**-**-** | Standby Pay | 664 | 188 | 476 | 28.3% |
| **_5705-**-**-** | Monthly Car Allowance | 76 | 100 | (24) | 131.6% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 3,552 | 3,468 | 84 | 97.6% |
| | Total Emerald Bay Service District | 59,176 | 51,712 | 7,464 | 87.4% |
| Moulton Niguel Water District | | | | | |
| **_5000-**-**-** | Regular Salaries-O&M | 47,632 | 50,312 | (2,680) | 105.6% |
| **_5001-**-**-** | Overtime Salaries-O&M | 760 | 672 | 88 | 88.4% |
| **_5002-**-**-** | Electricity | 2,768 | 2,100 | 668 | 75.9% |
| **_5003-**-**-** | Natural Gas | 40 | 32 | 8 | 80.0% |
| **_5004-**-**-** | Potable & Reclaimed Water | 2,904 | 532 | 2,372 | 18.3% |
| **_5013-**-**-** | Landscaping | 14,624 | 22,332 | (7,708) | 152.7% |
| **_5014-**-**-** | Engineering - Misc. | 19,016 | 2,104 | 16,912 | 11.1% |
| **_5015-**-**-** | Management Support Services | 3,512 | 1,788 | 1,724 | 50.9% |
| **_5017-**-**-** | Legal Fees | 14,624 | 8,948 | 5,676 | 61.2% |
| **_5019-**-**-** | Contract Services Misc. - 29 | 20,800 | 13,600 | 7,200 | 65.4% |
| **_5021-**-**-** | Small Vehicle Expense - 31A | 320 | 324 | (4) | 101.3% |
| **_5022-**-**-** | Miscellaneous Expense | 792 | 432 | 360 | 54.5% |
| **_5023-**-**-** | Office Supplies - All | 1,872 | 1,692 | 180 | 90.4% |
| **_5025-**-**-** | Uniforms | 336 | 448 | (112) | 133.3% |
| **_5026-**-**-** | Small Vehicle Fuel - 37A | 336 | 76 | 260 | 22.6% |
| **_5027-**-**-** | Insurance - Property/Liability | 3,848 | 7,624 | (3,776) | 198.1% |
| **_5028-**-**-** | Small Tools & Supplies | 2,104 | 2,256 | (152) | 107.2% |
| **_5030-**-**-** | Trash Disposal | 904 | 368 | 536 | 40.7% |
| **_5031-**-**-** | Safety Supplies | 5,408 | 6,004 | (596) | 111.0% |
| **_5032-**-**-** | Equipment Rental | 352 | 72 | 280 | 20.5% |
| 15-5033-01-03-22 | Recruitment | 0 | 88 | (88) | 0.0% |
| **_5034-**-**-** | Travel Expense/Tech. Conferences | 1,464 | 360 | 1,104 | 24.6% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended | |
|------------------|---|-------------------|------------------------|------------|--------|
| **_5035-**-**-** | Training Expense | 1,752 | 3,568 | (1,816) | 203.7% |
| **_5037-**-**-** | Office Equipment | 296 | 52 | 244 | 17.6% |
| **_5038-**-**-** | Permits | 3,808 | 1,384 | 2,424 | 36.3% |
| **_5039-**-**-** | Membership Dues/Fees | 592 | 464 | 128 | 78.4% |
| **_5047-**-**-** | Access Road Expenses | 13,280 | 10,600 | 2,680 | 79.8% |
| **_5048-**-**-** | Storm Damage | 5,440 | 8,948 | (3,508) | 164.5% |
| **_5050-**-**-** | Contract Services Generators - 29A | 1,232 | 3,088 | (1,856) | 250.6% |
| **_5052-**-**-** | Janitorial Services | 2,928 | 2,040 | 888 | 69.7% |
| **_5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 4,856 | 6,964 | (2,108) | 143.4% |
| **_5061-**-**-** | Mileage | 64 | 28 | 36 | 43.8% |
| 15-5077-01-03-22 | IT Direct | 0 | 24,200 | (24,200) | 0.0% |
| 15-5302-01-03-22 | Performance Based Merit Pay | 0 | 408 | (408) | 0.0% |
| 15-5303-01-03-22 | Group Insurance Waiver | 0 | 120 | (120) | 0.0% |
| 15-5305-01-03-22 | Medicare Tax Payments for Employees | 0 | 268 | (268) | 0.0% |
| **_5306-**-**-** | Scheduled Holiday Work | 504 | 284 | 220 | 56.3% |
| **_5307-**-**-** | Weekend Shift Pay | 0 | 8 | (8) | 0.0% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 33,824 | 43,460 | (9,636) | 128.5% |
| **_5700-**-**-** | Standby Pay | 1,952 | 668 | 1,284 | 34.2% |
| **_5705-**-**-** | Monthly Car Allowance | 224 | 364 | (140) | 162.5% |
| 15-5802-01-03-22 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 34,760 | 33,916 | 844 | 97.6% |
| | Rounding | 0 | 19 | (19) | 0.0% |
| | Total Moulton Niguel Water District | 249,928 | 263,019 | (13,091) | 105.2% |

South Coast Water District

| | | | | | |
|------------------|--------------------------------|---------|---------|----------|--------|
| **_5000-**-**-** | Regular Salaries-O&M | 356,180 | 371,184 | (15,004) | 104.2% |
| **_5001-**-**-** | Overtime Salaries-O&M | 5,672 | 11,840 | (6,168) | 208.7% |
| **_5002-**-**-** | Electricity | 104,752 | 83,152 | 21,600 | 79.4% |
| **_5003-**-**-** | Natural Gas | 968 | 904 | 64 | 93.4% |
| **_5004-**-**-** | Potable & Reclaimed Water | 3,892 | 6,960 | (3,068) | 178.8% |
| **_5006-**-**-** | Chlorine/Sodium Hypochlorite | 111,600 | 64,096 | 47,504 | 57.4% |
| **_5007-**-**-** | Polymer Products | 1,464 | 0 | 1,464 | 0.0% |
| 15-5008-01-01-24 | Ferric Chloride | 11,552 | 11,044 | 508 | 95.6% |
| 15-5009-01-01-24 | Odor Control Chemicals | 30,900 | 28,144 | 2,756 | 91.1% |
| 15-5010-01-01-24 | Other Chemicals - Misc. | 0 | 184 | (184) | 0.0% |
| **_5011-**-**-** | Laboratory Services | 3,636 | 5,720 | (2,084) | 157.3% |
| 15-5012-01-01-24 | Grit Hauling - 21A | 10,576 | 9,704 | 872 | 91.8% |
| **_5013-**-**-** | Landscaping | 14,928 | 22,792 | (7,864) | 152.7% |
| **_5014-**-**-** | Engineering - Misc. | 19,400 | 2,148 | 17,252 | 11.1% |
| **_5015-**-**-** | Management Support Services | 3,584 | 1,824 | 1,760 | 50.9% |
| **_5017-**-**-** | Legal Fees | 14,928 | 9,128 | 5,800 | 61.1% |
| **_5019-**-**-** | Contract Services Misc. - 29 | 21,224 | 13,876 | 7,348 | 65.4% |
| **_5021-**-**-** | Small Vehicle Expense - 31A | 2,404 | 2,448 | (44) | 101.8% |
| **_5022-**-**-** | Miscellaneous Expense | 808 | 440 | 368 | 54.5% |
| **_5023-**-**-** | Office Supplies - All | 1,912 | 1,724 | 188 | 90.2% |
| 15-5024-01-01-24 | Petroleum Products | 636 | 1,560 | (924) | 245.3% |
| **_5025-**-**-** | Uniforms | 2,488 | 3,388 | (900) | 136.2% |
| **_5026-**-**-** | Small Vehicle Fuel - 37A | 2,488 | 564 | 1,924 | 22.7% |
| **_5027-**-**-** | Insurance - Property/Liability | 3,920 | 7,780 | (3,860) | 198.5% |
| **_5028-**-**-** | Small Tools & Supplies | 2,152 | 2,300 | (148) | 106.9% |
| **_5030-**-**-** | Trash Disposal | 928 | 376 | 552 | 40.5% |
| **_5031-**-**-** | Safety Supplies | 5,520 | 6,124 | (604) | 110.9% |
| **_5032-**-**-** | Equipment Rental | 360 | 72 | 288 | 20.0% |
| 15-5033-01-03-24 | Recruitment | 0 | 88 | (88) | 0.0% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--|--|----------------------|-------------------|------------------------|------------|
| **_5034-**-**-** | Travel Expense/Tech. Conferences | 1,496 | 364 | 1,132 | 24.3% |
| **_5035-**-**-** | Training Expense | 1,792 | 3,640 | (1,848) | 203.1% |
| **_5036-**-**-** | Laboratory Supplies | 4,376 | 4,064 | 312 | 92.9% |
| **_5037-**-**-** | Office Equipment | 296 | 52 | 244 | 17.6% |
| **_5038-**-**-** | Permits | 3,888 | 1,412 | 2,476 | 36.3% |
| **_5039-**-**-** | Membership Dues/Fees | 592 | 472 | 120 | 79.7% |
| **_5047-**-**-** | Access Road Expenses | 13,552 | 10,820 | 2,732 | 79.8% |
| **_5048-**-**-** | Storm Damage | 5,552 | 9,132 | (3,580) | 164.5% |
| 15-5049-01-01-24 | Biosolids Disposal - 21B | 46,876 | 0 | 46,876 | 0.0% |
| **_5050-**-**-** | Contract Services Generators - 29A | 1,256 | 3,152 | (1,896) | 251.0% |
| **_5052-**-**-** | Janitorial Services | 2,984 | 2,084 | 900 | 69.8% |
| 15-5054-01-01-24 | Diesel Truck Maint - 31B | 376 | 1,320 | (944) | 351.1% |
| 15-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 55,912 | 50,184 | 5,728 | 89.8% |
| **_5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 4,952 | 7,108 | (2,156) | 143.5% |
| 15-5060-01-04-24 | Maintenance Equip. & Facilities (AWT) 41-E | 26,700 | 29,940 | (3,240) | 112.1% |
| **_5061-**-**-** | Mileage | 512 | 216 | 296 | 42.2% |
| 15-5077-01-03-24 | IT Direct | 0 | 24,696 | (24,696) | 0.0% |
| **_5302-**-**-** | Performance Based Merit Pay | 0 | 3,112 | (3,112) | 0.0% |
| **_5303-**-**-** | Group Insurance Waiver | 0 | 920 | (920) | 0.0% |
| **_5305-**-**-** | Medicare Tax Payments for Employees | 0 | 2,024 | (2,024) | 0.0% |
| **_5306-**-**-** | Scheduled Holiday Work | 3,780 | 2,052 | 1,728 | 54.3% |
| **_5307-**-**-** | Weekend Shift Pay | 0 | 52 | (52) | 0.0% |
| **_5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 252,884 | 320,600 | (67,716) | 126.8% |
| **_5700-**-**-** | Standby Pay | 14,604 | 5,076 | 9,528 | 34.8% |
| **_5705-**-**-** | Monthly Car Allowance | 1,692 | 2,764 | (1,072) | 163.4% |
| 15-5802-01-03-24 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **_6500-**-**-** | IT Allocations in to PC's & Depts. | 35,480 | 34,612 | 868 | 97.6% |
| | Total South Coast Water District | 1,218,424 | 1,189,436 | 28,988 | 97.6% |
| | Total Member Agency | 2,930,408 | 2,724,407 | 206,001 | 93.0% |
| | Total PC 15 - Coastal Treatment Plant | 2,930,408 | 2,724,407 | 206,001 | 93.0% |
| PC 17 - Joint Regional Wastewater Reclamation | | | | | |
| Member Agency | | | | | |
| City of Laguna Beach | | | | | |
| **_5000-**-**-** | Regular Salaries-O&M | 115,724 | 91,404 | 24,320 | 79.0% |
| **_5001-**-**-** | Overtime Salaries-O&M | 2,364 | 4,280 | (1,916) | 181.0% |
| **_5002-**-**-** | Electricity | 33,368 | 19,204 | 14,164 | 57.6% |
| 17-5003-01-02-16 | Natural Gas | 17,380 | 10,764 | 6,616 | 61.9% |
| **_5004-**-**-** | Potable & Reclaimed Water | 2,360 | 1,844 | 516 | 78.1% |
| 17-5005-01-02-16 | Co-generation Power Credit | (58,276) | (25,164) | (33,112) | 43.2% |
| 17-5006-01-01-16 | Chlorine/Sodium Hypochlorite | 88 | 20 | 68 | 22.7% |
| **_5007-**-**-** | Polymer Products | 41,312 | 34,056 | 7,256 | 82.4% |
| **_5008-**-**-** | Ferric Chloride | 10,220 | 14,612 | (4,392) | 143.0% |
| **_5009-**-**-** | Odor Control Chemicals | 264 | 2,204 | (1,940) | 834.8% |
| 17-5010-01-23-16 | Other Chemicals - Misc. | 224 | 0 | 224 | 0.0% |
| **_5011-**-**-** | Laboratory Services | 520 | 388 | 132 | 74.6% |
| 17-5012-01-01-16 | Grit Hauling - 21A | 80 | 76 | 4 | 95.0% |
| 17-5013-01-23-16 | Landscaping | 3,648 | 5,040 | (1,392) | 138.2% |
| 17-5014-01-23-16 | Engineering - Misc. | 5,328 | 4,616 | 712 | 86.6% |
| **_5015-**-**-** | Management Support Services | 3,196 | 836 | 2,360 | 26.2% |
| 17-5017-01-23-16 | Legal Fees | 224 | 136 | 88 | 60.7% |
| 17-5019-01-23-16 | Contract Services Misc. - 29 | 6,844 | 4,876 | 1,968 | 71.2% |
| **_5021-**-**-** | Small Vehicle Expense - 31A | 376 | 684 | (308) | 181.9% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|-------------------------------|--|----------------------|-------------------|------------------------|------------|
| 17-5022-01-23-16 | Miscellaneous Expense | 304 | 148 | 156 | 48.7% |
| 17-5023-01-23-16 | Office Supplies - All | 404 | 664 | (260) | 164.4% |
| **_5024-**-*** | Petroleum Products | 4,944 | 3,076 | 1,868 | 62.2% |
| **_5025-**-*** | Uniforms | 1,084 | 1,048 | 36 | 96.7% |
| **_5026-**-*** | Small Vehicle Fuel - 37A | 820 | 436 | 384 | 53.2% |
| **_5027-**-*** | Insurance - Property/Liability | 2,524 | 3,616 | (1,092) | 143.3% |
| 17-5028-01-23-16 | Small Tools & Supplies | 1,156 | 1,232 | (76) | 106.6% |
| 17-5030-01-23-16 | Trash Disposal | 52 | 80 | (28) | 153.8% |
| 17-5031-02-23-16 | Safety Supplies | 2,076 | 2,504 | (428) | 120.6% |
| 17-5032-01-23-16 | Equipment Rental | 168 | 836 | (668) | 497.6% |
| **_5033-**-*** | Recruitment | 0 | 64 | (64) | 0.0% |
| **_5034-**-*** | Travel Expense/Tech. Conferences | 672 | 244 | 428 | 36.3% |
| **_5035-**-*** | Training Expense | 1,348 | 1,008 | 340 | 74.8% |
| **_5036-**-*** | Laboratory Supplies | 668 | 564 | 104 | 84.4% |
| 17-5037-01-23-16 | Office Equipment | 304 | 328 | (24) | 107.9% |
| 17-5038-02-23-16 | Permits | 2,244 | 984 | 1,260 | 43.9% |
| **_5039-**-*** | Membership Dues/Fees | 224 | 352 | (128) | 157.1% |
| 17-5049-01-02-16 | Biosolids Disposal - 21B | 106,836 | 116,276 | (9,440) | 108.8% |
| 17-5050-01-23-16 | Contract Services Generators - 29A | 404 | 336 | 68 | 83.2% |
| 17-5052-01-23-16 | Janitorial Services | 1,124 | 640 | 484 | 56.9% |
| 17-5053-01-02-16 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 17-5054-01-02-16 | Diesel Truck Maint - 31B | 2,396 | 1,444 | 952 | 60.3% |
| 17-5055-01-02-16 | Diesel Truck Fuel - 37B | 804 | 516 | 288 | 64.2% |
| 17-5056-01-02-16 | Maintenance Equip. & Facilities (Solids) 41-A | 23,104 | 24,912 | (1,808) | 107.8% |
| 17-5057-01-01-16 | Maintenance Equip. & Facilities (Liquids) 41-B | 252 | 280 | (28) | 111.1% |
| 17-5058-01-23-16 | Maintenance Equip. & Facilities (Common) 41-C | 1,076 | 1,640 | (564) | 152.4% |
| 17-5059-01-02-16 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 11,592 | 7,208 | 4,384 | 62.2% |
| **_5061-**-*** | Mileage | 192 | 116 | 76 | 60.4% |
| **_5068-**-*** | MNWD Lab Services and Supplies | 1,772 | 0 | 1,772 | 0.0% |
| 17-5077-01-23-16 | IT Direct | 0 | 2,356 | (2,356) | 0.0% |
| **_5101-**-*** | Employee Recognition | 0 | 48 | (48) | 0.0% |
| **_5105-**-*** | Co-Generation Power Credit - Offset | 58,276 | 9,636 | 48,640 | 16.5% |
| **_5302-**-*** | Performance Based Merit Pay | 0 | 424 | (424) | 0.0% |
| **_5303-**-*** | Group Insurance Waiver | 0 | 40 | (40) | 0.0% |
| **_5305-**-*** | Medicare Tax Payments for Employees | 0 | 132 | (132) | 0.0% |
| **_5306-**-*** | Scheduled Holiday Work | 1,448 | 612 | 836 | 42.3% |
| 17-5307-01-02-16 | Weekend Shift Pay | 0 | 20 | (20) | 0.0% |
| 17-5309-01-23-16 | Operating Leases | 168 | 0 | 168 | 0.0% |
| **_5401-**-*** | Fringe Benefits IN to PC's & Depts. | 82,168 | 78,816 | 3,352 | 95.9% |
| **_5700-**-*** | Standby Pay | 3,388 | 1,916 | 1,472 | 56.6% |
| **_5705-**-*** | Monthly Car Allowance | 660 | 700 | (40) | 106.1% |
| 17-5802-02-23-16 | Shipping/Freight | 0 | 8 | (8) | 0.0% |
| **_6500-**-*** | IT Allocations in to PC's & Depts. | 11,772 | 12,072 | (300) | 102.5% |
| | Total City of Laguna Beach | 511,668 | 447,208 | 64,460 | 87.4% |
| El Toro Water District | | | | | |
| **_5000-**-*** | Regular Salaries-O&M | 147,688 | 106,916 | 40,772 | 72.4% |
| **_5001-**-*** | Overtime Salaries-O&M | 3,024 | 4,948 | (1,924) | 163.6% |
| **_5002-**-*** | Electricity | 43,932 | 23,228 | 20,704 | 52.9% |
| 17-5003-01-02-19 | Natural Gas | 21,700 | 12,072 | 9,628 | 55.6% |
| **_5004-**-*** | Potable & Reclaimed Water | 2,948 | 2,064 | 884 | 70.0% |
| 17-5005-01-02-19 | Co-generation Power Credit | (72,764) | (28,212) | (44,552) | 38.8% |
| 17-5006-01-01-19 | Chlorine/Sodium Hypochlorite | 104 | 24 | 80 | 23.1% |
| **_5007-**-*** | Polymer Products | 51,576 | 38,188 | 13,388 | 74.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------|--|----------------------|-------------------|------------------------|------------|
| **-5008-**-**-** | Ferric Chloride | 12,756 | 16,388 | (3,632) | 128.5% |
| **-5009-**-**-** | Odor Control Chemicals | 320 | 2,468 | (2,148) | 771.3% |
| 17-5010-01-23-19 | Other Chemicals - Misc. | 408 | 0 | 408 | 0.0% |
| **-5011-**-**-** | Laboratory Services | 652 | 436 | 216 | 66.9% |
| 17-5012-01-01-19 | Grit Hauling - 21A | 92 | 88 | 4 | 95.7% |
| 17-5013-01-23-19 | Landscaping | 6,632 | 9,172 | (2,540) | 138.3% |
| 17-5014-01-23-19 | Engineering - Misc. | 9,696 | 8,396 | 1,300 | 86.6% |
| **-5015-**-**-** | Management Support Services | 5,816 | 1,524 | 4,292 | 26.2% |
| 17-5017-01-23-19 | Legal Fees | 408 | 248 | 160 | 60.8% |
| 17-5019-01-23-19 | Contract Services Misc. - 29 | 12,452 | 8,872 | 3,580 | 71.2% |
| **-5021-**-**-** | Small Vehicle Expense - 31A | 476 | 788 | (312) | 165.5% |
| 17-5022-01-23-19 | Miscellaneous Expense | 552 | 268 | 284 | 48.6% |
| 17-5023-01-23-19 | Office Supplies - All | 736 | 1,208 | (472) | 164.1% |
| **-5024-**-**-** | Petroleum Products | 6,176 | 3,448 | 2,728 | 55.8% |
| **-5025-**-**-** | Uniforms | 1,384 | 1,208 | 176 | 87.3% |
| **-5026-**-**-** | Small Vehicle Fuel - 37A | 1,048 | 504 | 544 | 48.1% |
| **-5027-**-**-** | Insurance - Property/Liability | 4,596 | 6,580 | (1,984) | 143.2% |
| 17-5028-01-23-19 | Small Tools & Supplies | 2,104 | 2,244 | (140) | 106.7% |
| 17-5030-01-23-19 | Trash Disposal | 92 | 144 | (52) | 156.5% |
| 17-5031-02-23-19 | Safety Supplies | 3,776 | 4,560 | (784) | 120.8% |
| 17-5032-01-23-19 | Equipment Rental | 308 | 1,520 | (1,212) | 493.5% |
| **-5033-**-**-** | Recruitment | 0 | 72 | (72) | 0.0% |
| **-5034-**-**-** | Travel Expense/Tech. Conferences | 1,228 | 440 | 788 | 35.8% |
| **-5035-**-**-** | Training Expense | 2,448 | 1,836 | 612 | 75.0% |
| **-5036-**-**-** | Laboratory Supplies | 832 | 636 | 196 | 76.4% |
| 17-5037-01-23-19 | Office Equipment | 552 | 592 | (40) | 107.2% |
| 17-5038-02-23-19 | Permits | 4,084 | 1,788 | 2,296 | 43.8% |
| **-5039-**-**-** | Membership Dues/Fees | 412 | 640 | (228) | 155.3% |
| 17-5049-01-02-19 | Biosolids Disposal - 21B | 133,404 | 130,380 | 3,024 | 97.7% |
| 17-5050-01-23-19 | Contract Services Generators - 29A | 736 | 612 | 124 | 83.2% |
| 17-5052-01-23-19 | Janitorial Services | 2,040 | 1,164 | 876 | 57.1% |
| 17-5053-01-02-19 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 17-5054-01-02-19 | Diesel Truck Maint - 31B | 2,992 | 1,616 | 1,376 | 54.0% |
| 17-5055-01-02-19 | Diesel Truck Fuel - 37B | 1,004 | 576 | 428 | 57.4% |
| 17-5056-01-02-19 | Maintenance Equip. & Facilities (Solids) 41-A | 28,848 | 27,936 | 912 | 96.8% |
| 17-5057-01-01-19 | Maintenance Equip. & Facilities (Liquids) 41-B | 300 | 324 | (24) | 108.0% |
| 17-5058-01-23-19 | Maintenance Equip. & Facilities (Common) 41-C | 1,960 | 2,984 | (1,024) | 152.2% |
| 17-5059-01-02-19 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 14,472 | 8,084 | 6,388 | 55.9% |
| **-5061-**-**-** | Mileage | 252 | 140 | 112 | 55.6% |
| **-5068-**-**-** | MNWD Lab Services and Supplies | 2,208 | 0 | 2,208 | 0.0% |
| 17-5077-01-23-19 | IT Direct | 0 | 4,288 | (4,288) | 0.0% |
| **-5101-**-**-** | Employee Recognition | 0 | 52 | (52) | 0.0% |
| **-5105-**-**-** | Co-Generation Power Credit - Offset | 72,764 | 11,652 | 61,112 | 16.0% |
| **-5302-**-**-** | Performance Based Merit Pay | 0 | 488 | (488) | 0.0% |
| **-5303-**-**-** | Group Insurance Waiver | 0 | 56 | (56) | 0.0% |
| **-5305-**-**-** | Medicare Tax Payments for Employees | 0 | 148 | (148) | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 1,848 | 720 | 1,128 | 39.0% |
| 17-5307-01-02-19 | Weekend Shift Pay | 0 | 24 | (24) | 0.0% |
| 17-5309-01-23-19 | Operating Leases | 308 | 0 | 308 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 104,852 | 92,200 | 12,652 | 87.9% |
| **-5700-**-**-** | Standby Pay | 4,324 | 2,212 | 2,112 | 51.2% |
| **-5705-**-**-** | Monthly Car Allowance | 840 | 816 | 24 | 97.1% |
| 17-5802-02-23-19 | Shipping/Freight | 0 | 12 | (12) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 21,416 | 21,956 | (540) | 102.5% |
| | Total El Toro Water District | 672,812 | 543,736 | 129,076 | 80.8% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|--|----------------------|-------------------|------------------------|------------|
| Emerald Bay Service District | | | | | |
| **_5000-**-**_** | Regular Salaries-O&M | 3,728 | 2,960 | 768 | 79.4% |
| **_5001-**-**_** | Overtime Salaries-O&M | 72 | 132 | (60) | 183.3% |
| **_5002-**-**_** | Electricity | 1,136 | 648 | 488 | 57.0% |
| 17-5003-01-02-20 | Natural Gas | 536 | 332 | 204 | 61.9% |
| 17-5004-01-02-20 | Potable & Reclaimed Water | 72 | 56 | 16 | 77.8% |
| 17-5005-01-02-20 | Co-generation Power Credit | (1,800) | (776) | (1,024) | 43.1% |
| 17-5006-01-01-20 | Chlorine/Sodium Hypochlorite | 4 | 0 | 4 | 0.0% |
| **_5007-**-**_** | Polymer Products | 1,280 | 1,052 | 228 | 82.2% |
| **_5008-**-**_** | Ferric Chloride | 316 | 448 | (132) | 141.8% |
| **_5009-**-**_** | Odor Control Chemicals | 12 | 68 | (56) | 566.7% |
| 17-5010-01-23-20 | Other Chemicals - Misc. | 12 | 0 | 12 | 0.0% |
| 17-5011-02-02-20 | Laboratory Services | 16 | 12 | 4 | 75.0% |
| 17-5012-01-01-20 | Grit Hauling - 21A | 4 | 4 | 0 | 100.0% |
| 17-5013-01-23-20 | Landscaping | 192 | 264 | (72) | 137.5% |
| 17-5014-01-23-20 | Engineering - Misc. | 280 | 244 | 36 | 87.1% |
| **_5015-**-**_** | Management Support Services | 168 | 44 | 124 | 26.2% |
| 17-5017-01-23-20 | Legal Fees | 12 | 8 | 4 | 66.7% |
| 17-5019-01-23-20 | Contract Services Misc. - 29 | 360 | 256 | 104 | 71.1% |
| 17-5021-01-02-20 | Small Vehicle Expense - 31A | 12 | 20 | (8) | 166.7% |
| 17-5022-01-23-20 | Miscellaneous Expense | 16 | 8 | 8 | 50.0% |
| 17-5023-01-23-20 | Office Supplies - All | 20 | 36 | (16) | 180.0% |
| 17-5024-01-02-20 | Petroleum Products | 152 | 96 | 56 | 63.2% |
| **_5025-**-**_** | Uniforms | 36 | 36 | 0 | 100.0% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 28 | 12 | 16 | 42.9% |
| **_5027-**-**_** | Insurance - Property/Liability | 136 | 192 | (56) | 141.2% |
| 17-5028-01-23-20 | Small Tools & Supplies | 60 | 64 | (4) | 106.7% |
| 17-5030-01-23-20 | Trash Disposal | 4 | 4 | 0 | 100.0% |
| 17-5031-02-23-20 | Safety Supplies | 108 | 132 | (24) | 122.2% |
| 17-5032-01-23-20 | Equipment Rental | 8 | 44 | (36) | 550.0% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 36 | 12 | 24 | 33.3% |
| **_5035-**-**_** | Training Expense | 72 | 56 | 16 | 77.8% |
| 17-5036-02-02-20 | Laboratory Supplies | 20 | 16 | 4 | 80.0% |
| 17-5037-01-23-20 | Office Equipment | 16 | 16 | 0 | 100.0% |
| 17-5038-02-23-20 | Permits | 120 | 52 | 68 | 43.3% |
| **_5039-**-**_** | Membership Dues/Fees | 12 | 20 | (8) | 166.7% |
| 17-5049-01-02-20 | Biosolids Disposal - 21B | 3,300 | 3,588 | (288) | 108.7% |
| 17-5050-01-23-20 | Contract Services Generators - 29A | 20 | 16 | 4 | 80.0% |
| 17-5052-01-23-20 | Janitorial Services | 60 | 32 | 28 | 53.3% |
| 17-5053-01-02-20 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 17-5054-01-02-20 | Diesel Truck Maint - 31B | 76 | 44 | 32 | 57.9% |
| 17-5055-01-02-20 | Diesel Truck Fuel - 37B | 24 | 16 | 8 | 66.7% |
| 17-5056-01-02-20 | Maintenance Equip. & Facilities (Solids) 41-A | 712 | 768 | (56) | 107.9% |
| 17-5057-01-01-20 | Maintenance Equip. & Facilities (Liquids) 41-B | 16 | 8 | 8 | 50.0% |
| 17-5058-01-23-20 | Maintenance Equip. & Facilities (Common) 41-C | 56 | 88 | (32) | 157.1% |
| 17-5059-01-02-20 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 360 | 224 | 136 | 62.2% |
| 17-5061-01-02-20 | Mileage | 4 | 4 | 0 | 100.0% |
| 17-5068-02-02-20 | MNWD Lab Services and Supplies | 56 | 0 | 56 | 0.0% |
| 17-5077-01-23-20 | IT Direct | 0 | 124 | (124) | 0.0% |
| **_5105-**-**_** | Co-Generation Power Credit - Offset | 1,800 | 324 | 1,476 | 18.0% |
| 17-5302-01-02-20 | Performance Based Merit Pay | 0 | 12 | (12) | 0.0% |
| 17-5305-01-02-20 | Medicare Tax Payments for Employees | 0 | 4 | (4) | 0.0% |
| **_5306-**-**_** | Scheduled Holiday Work | 48 | 16 | 32 | 33.3% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended | |
|------------------|-------------------------------------|-------------------|------------------------|------------|--------|
| 17-5309-01-23-20 | Operating Leases | 8 | 0 | 8 | 0.0% |
| **_5401-**-**_** | Fringe Benefits IN to PC's & Depts. | 2,648 | 2,552 | 96 | 96.4% |
| **_5700-**-**_** | Standby Pay | 108 | 60 | 48 | 55.6% |
| 17-5705-01-02-20 | Monthly Car Allowance | 20 | 20 | 0 | 100.0% |
| **_6500-**-**_** | IT Allocations in to PC's & Depts. | 620 | 632 | (12) | 101.9% |
| | Total Emerald Bay Service District | 17,192 | 15,100 | 2,092 | 87.8% |

Moulton Niguel Water District

| | | | | | |
|------------------|--|-----------|-----------|-----------|--------|
| **_5000-**-**_** | Regular Salaries-O&M | 1,418,952 | 1,290,436 | 128,516 | 90.9% |
| **_5001-**-**_** | Overtime Salaries-O&M | 29,048 | 63,348 | (34,300) | 218.1% |
| **_5002-**-**_** | Electricity | 575,696 | 345,280 | 230,416 | 60.0% |
| 17-5003-01-02-22 | Natural Gas | 83,820 | 55,652 | 28,168 | 66.4% |
| **_5004-**-**_** | Potable & Reclaimed Water | 25,156 | 20,672 | 4,484 | 82.2% |
| 17-5005-01-02-22 | Co-generation Power Credit | (281,072) | (130,072) | (151,000) | 46.3% |
| **_5006-**-**_** | Chlorine/Sodium Hypochlorite | 399,756 | 342,208 | 57,548 | 85.6% |
| **_5007-**-**_** | Polymer Products | 267,256 | 234,256 | 33,000 | 87.7% |
| **_5008-**-**_** | Ferric Chloride | 100,776 | 104,372 | (3,596) | 103.6% |
| **_5009-**-**_** | Odor Control Chemicals | 62,848 | 43,000 | 19,848 | 68.4% |
| **_5010-**-**_** | Other Chemicals - Misc. | 3,176 | 0 | 3,176 | 0.0% |
| **_5011-**-**_** | Laboratory Services | 11,492 | 11,064 | 428 | 96.3% |
| 17-5012-01-01-22 | Grit Hauling - 21A | 46,276 | 48,596 | (2,320) | 105.0% |
| **_5013-**-**_** | Landscaping | 51,616 | 71,368 | (19,752) | 138.3% |
| **_5014-**-**_** | Engineering - Misc. | 75,440 | 65,336 | 10,104 | 86.6% |
| **_5015-**-**_** | Management Support Services | 45,264 | 11,856 | 33,408 | 26.2% |
| **_5017-**-**_** | Legal Fees | 3,176 | 1,936 | 1,240 | 61.0% |
| **_5019-**-**_** | Contract Services Misc. - 29 | 96,880 | 69,028 | 27,852 | 71.3% |
| **_5021-**-**_** | Small Vehicle Expense - 31A | 4,596 | 8,524 | (3,928) | 185.5% |
| **_5022-**-**_** | Miscellaneous Expense | 4,288 | 2,088 | 2,200 | 48.7% |
| **_5023-**-**_** | Office Supplies - All | 5,716 | 9,396 | (3,680) | 164.4% |
| **_5024-**-**_** | Petroleum Products | 26,864 | 17,832 | 9,032 | 66.4% |
| **_5025-**-**_** | Uniforms | 13,316 | 13,044 | 272 | 98.0% |
| **_5026-**-**_** | Small Vehicle Fuel - 37A | 10,088 | 5,432 | 4,656 | 53.8% |
| **_5027-**-**_** | Insurance - Property/Liability | 35,736 | 51,204 | (15,468) | 143.3% |
| **_5028-**-**_** | Small Tools & Supplies | 16,360 | 17,460 | (1,100) | 106.7% |
| **_5030-**-**_** | Trash Disposal | 716 | 1,132 | (416) | 158.1% |
| **_5031-**-**_** | Safety Supplies | 29,380 | 35,472 | (6,092) | 120.7% |
| **_5032-**-**_** | Equipment Rental | 2,384 | 11,840 | (9,456) | 496.6% |
| **_5033-**-**_** | Recruitment | 0 | 800 | (800) | 0.0% |
| **_5034-**-**_** | Travel Expense/Tech. Conferences | 9,532 | 3,432 | 6,100 | 36.0% |
| **_5035-**-**_** | Training Expense | 19,060 | 14,288 | 4,772 | 75.0% |
| **_5036-**-**_** | Laboratory Supplies | 16,572 | 16,072 | 500 | 97.0% |
| **_5037-**-**_** | Office Equipment | 4,288 | 4,624 | (336) | 107.8% |
| **_5038-**-**_** | Permits | 31,764 | 13,924 | 17,840 | 43.8% |
| **_5039-**-**_** | Membership Dues/Fees | 3,180 | 4,988 | (1,808) | 156.9% |
| 17-5049-01-02-22 | Biosolids Disposal - 21B | 515,296 | 601,080 | (85,784) | 116.6% |
| **_5050-**-**_** | Contract Services Generators - 29A | 5,716 | 4,752 | 964 | 83.1% |
| **_5052-**-**_** | Janitorial Services | 15,884 | 9,072 | 6,812 | 57.1% |
| 17-5053-01-02-22 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 17-5054-01-02-22 | Diesel Truck Maint - 31B | 11,556 | 7,456 | 4,100 | 64.5% |
| 17-5055-01-02-22 | Diesel Truck Fuel - 37B | 3,872 | 2,656 | 1,216 | 68.6% |
| 17-5056-01-02-22 | Maintenance Equip. & Facilities (Solids) 41-A | 111,428 | 128,784 | (17,356) | 115.6% |
| 17-5057-01-01-22 | Maintenance Equip. & Facilities (Liquids) 41-B | 148,384 | 178,956 | (30,572) | 120.6% |
| **_5058-**-**_** | Maintenance Equip. & Facilities (Common) 41-C | 15,248 | 23,232 | (7,984) | 152.4% |
| 17-5059-01-02-22 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 55,900 | 37,268 | 18,632 | 66.7% |

**South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item**

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|------------------|--|----------------------|-------------------|------------------------|------------|
| 17-5060-01-04-22 | Maintenance Equip. & Facilities (AWT) 41-E | 30,900 | 29,928 | 972 | 96.9% |
| **-5061-**-**-** | Mileage | 2,424 | 1,512 | 912 | 62.4% |
| **-5068-**-**-** | MNWD Lab Services and Supplies | 18,864 | 22,508 | (3,644) | 119.3% |
| **-5077-**-**-** | IT Direct | 0 | 33,376 | (33,376) | 0.0% |
| **-5101-**-**-** | Employee Recognition | 0 | 572 | (572) | 0.0% |
| **-5105-**-**-** | Co-Generation Power Credit - Offset | 281,072 | 173,220 | 107,852 | 61.6% |
| **-5302-**-**-** | Performance Based Merit Pay | 0 | 5,288 | (5,288) | 0.0% |
| **-5303-**-**-** | Group Insurance Waiver | 0 | 1,664 | (1,664) | 0.0% |
| **-5305-**-**-** | Medicare Tax Payments for Employees | 0 | 1,704 | (1,704) | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 17,752 | 9,104 | 8,648 | 51.3% |
| **-5307-**-**-** | Weekend Shift Pay | 0 | 356 | (356) | 0.0% |
| **-5309-**-**-** | Operating Leases | 2,384 | 0 | 2,384 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 1,007,460 | 1,113,316 | (105,856) | 110.5% |
| **-5700-**-**-** | Standby Pay | 41,552 | 23,892 | 17,660 | 57.5% |
| **-5705-**-**-** | Monthly Car Allowance | 8,068 | 9,176 | (1,108) | 113.7% |
| **-5802-**-**-** | Shipping/Freight | 0 | 100 | (100) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 166,644 | 170,872 | (4,228) | 102.5% |
| | Rounding | 0 | 97 | (97) | 0.0% |
| | Total Moulton Niguel Water District | 5,709,800 | 5,469,829 | 239,971 | 95.8% |

South Coast Water District

| | | | | | |
|------------------|----------------------------------|----------|----------|----------|--------|
| **-5000-**-**-** | Regular Salaries-O&M | 72,660 | 63,804 | 8,856 | 87.8% |
| **-5001-**-**-** | Overtime Salaries-O&M | 1,484 | 2,980 | (1,496) | 200.8% |
| **-5002-**-**-** | Electricity | 21,372 | 13,520 | 7,852 | 63.3% |
| 17-5003-01-02-24 | Natural Gas | 10,764 | 7,436 | 3,328 | 69.1% |
| **-5004-**-**-** | Potable & Reclaimed Water | 1,464 | 1,272 | 192 | 86.9% |
| 17-5005-01-02-24 | Co-generation Power Credit | (36,092) | (17,384) | (18,708) | 48.2% |
| 17-5006-01-01-24 | Chlorine/Sodium Hypochlorite | 52 | 16 | 36 | 30.8% |
| **-5007-**-**-** | Polymer Products | 25,580 | 23,528 | 2,052 | 92.0% |
| **-5008-**-**-** | Ferric Chloride | 6,328 | 10,100 | (3,772) | 159.6% |
| **-5009-**-**-** | Odor Control Chemicals | 160 | 1,520 | (1,360) | 950.0% |
| 17-5010-01-23-24 | Other Chemicals - Misc. | 180 | 0 | 180 | 0.0% |
| **-5011-**-**-** | Laboratory Services | 320 | 272 | 48 | 85.0% |
| 17-5012-01-01-24 | Grit Hauling - 21A | 48 | 52 | (4) | 108.3% |
| 17-5013-01-23-24 | Landscaping | 2,912 | 4,028 | (1,116) | 138.3% |
| 17-5014-01-23-24 | Engineering - Misc. | 4,256 | 3,688 | 568 | 86.7% |
| **-5015-**-**-** | Management Support Services | 2,556 | 672 | 1,884 | 26.3% |
| 17-5017-01-23-24 | Legal Fees | 180 | 108 | 72 | 60.0% |
| 17-5019-01-23-24 | Contract Services Misc. - 29 | 5,464 | 3,896 | 1,568 | 71.3% |
| **-5021-**-**-** | Small Vehicle Expense - 31A | 240 | 476 | (236) | 198.3% |
| 17-5022-01-23-24 | Miscellaneous Expense | 240 | 116 | 124 | 48.3% |
| 17-5023-01-23-24 | Office Supplies - All | 324 | 532 | (208) | 164.2% |
| **-5024-**-**-** | Petroleum Products | 3,064 | 2,128 | 936 | 69.5% |
| **-5025-**-**-** | Uniforms | 684 | 728 | (44) | 106.4% |
| **-5026-**-**-** | Small Vehicle Fuel - 37A | 516 | 304 | 212 | 58.9% |
| **-5027-**-**-** | Insurance - Property/Liability | 2,016 | 2,888 | (872) | 143.3% |
| 17-5028-01-23-24 | Small Tools & Supplies | 924 | 984 | (60) | 106.5% |
| 17-5030-01-23-24 | Trash Disposal | 40 | 64 | (24) | 160.0% |
| 17-5031-02-23-24 | Safety Supplies | 1,656 | 2,000 | (344) | 120.8% |
| 17-5032-01-23-24 | Equipment Rental | 136 | 668 | (532) | 491.2% |
| **-5033-**-**-** | Recruitment | 0 | 44 | (44) | 0.0% |
| **-5034-**-**-** | Travel Expense/Tech. Conferences | 540 | 192 | 348 | 35.6% |
| **-5035-**-**-** | Training Expense | 1,076 | 804 | 272 | 74.7% |
| **-5036-**-**-** | Laboratory Supplies | 412 | 388 | 24 | 94.2% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|---|--|----------------------|-------------------|------------------------|------------|
| 17-5037-01-23-24 | Office Equipment | 240 | 260 | (20) | 108.3% |
| 17-5038-02-23-24 | Permits | 1,792 | 784 | 1,008 | 43.8% |
| **-5039-**-**-** | Membership Dues/Fees | 180 | 280 | (100) | 155.6% |
| 17-5049-01-02-24 | Biosolids Disposal - 21B | 66,164 | 80,336 | (14,172) | 121.4% |
| 17-5050-01-23-24 | Contract Services Generators - 29A | 324 | 268 | 56 | 82.7% |
| 17-5052-01-23-24 | Janitorial Services | 896 | 512 | 384 | 57.1% |
| 17-5053-01-02-24 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 17-5054-01-02-24 | Diesel Truck Maint - 31B | 1,484 | 996 | 488 | 67.1% |
| 17-5055-01-02-24 | Diesel Truck Fuel - 37B | 496 | 356 | 140 | 71.8% |
| 17-5056-01-02-24 | Maintenance Equip. & Facilities (Solids) 41-A | 14,308 | 17,212 | (2,904) | 120.3% |
| 17-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 148 | 188 | (40) | 127.0% |
| 17-5058-01-23-24 | Maintenance Equip. & Facilities (Common) 41-C | 860 | 1,312 | (452) | 152.6% |
| 17-5059-01-02-24 | Maintenance Equip. & Facilities (Co-Gen) 41-D | 7,176 | 4,980 | 2,196 | 69.4% |
| **-5061-**-**-** | Mileage | 124 | 84 | 40 | 67.7% |
| **-5068-**-**-** | MNWD Lab Services and Supplies | 1,096 | 0 | 1,096 | 0.0% |
| 17-5077-01-23-24 | IT Direct | 0 | 1,884 | (1,884) | 0.0% |
| 17-5101-01-02-24 | Employee Recognition | 0 | 28 | (28) | 0.0% |
| **-5105-**-**-** | Co-Generation Power Credit - Offset | 36,092 | 6,784 | 29,308 | 18.8% |
| **-5302-**-**-** | Performance Based Merit Pay | 0 | 296 | (296) | 0.0% |
| **-5303-**-**-** | Group Insurance Waiver | 0 | 28 | (28) | 0.0% |
| **-5305-**-**-** | Medicare Tax Payments for Employees | 0 | 88 | (88) | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 908 | 424 | 484 | 46.7% |
| 17-5307-01-02-24 | Weekend Shift Pay | 0 | 16 | (16) | 0.0% |
| 17-5309-01-23-24 | Operating Leases | 136 | 0 | 136 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 51,588 | 55,016 | (3,428) | 106.6% |
| **-5700-**-**-** | Standby Pay | 2,128 | 1,336 | 792 | 62.8% |
| **-5705-**-**-** | Monthly Car Allowance | 412 | 492 | (80) | 119.4% |
| 17-5802-02-23-24 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 9,400 | 9,640 | (240) | 102.6% |
| | Total South Coast Water District | 327,508 | 315,428 | 12,080 | 96.3% |
| | Total Member Agency | 7,238,980 | 6,791,301 | 447,679 | 93.8% |
| | Total PC 17 - Joint Regional Wastewater Reclamation | 7,238,980 | 6,791,301 | 447,679 | 93.8% |
| PC 21 - Effluent Transmission Main | | | | | |
| Member Agency | | | | | |
| EI Toro Water District | | | | | |
| **-5014-**-**-** | Engineering - Misc. | 35,008 | 328 | 34,680 | 0.9% |
| **-5019-**-**-** | Contract Services Misc. - 29 | 0 | 216 | (216) | 0.0% |
| **-5027-**-**-** | Insurance - Property/Liability | 232 | 4 | 228 | 1.7% |
| **-5028-**-**-** | Small Tools & Supplies | 380 | 0 | 380 | 0.0% |
| | Total EI Toro Water District | 35,620 | 548 | 35,072 | 1.5% |
| Irvine Ranch Water District | | | | | |
| **-5014-**-**-** | Engineering - Misc. | 35,008 | 328 | 34,680 | 0.9% |
| **-5019-**-**-** | Contract Services Misc. - 29 | 0 | 216 | (216) | 0.0% |
| **-5027-**-**-** | Insurance - Property/Liability | 232 | 4 | 228 | 1.7% |
| **-5028-**-**-** | Small Tools & Supplies | 380 | 0 | 380 | 0.0% |
| | Total Irvine Ranch Water District | 35,620 | 548 | 35,072 | 1.5% |
| Moulton Niguel Water District | | | | | |
| 21-5014-02-14-22 | Engineering - Misc. | 14,984 | 140 | 14,844 | 0.9% |
| 21-5019-02-14-22 | Contract Services Misc. - 29 | 0 | 92 | (92) | 0.0% |
| 21-5027-02-14-22 | Insurance - Property/Liability | 100 | 4 | 96 | 4.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--|-------------------|-------------------|---------------------|------------|
| 21-5028-01-14-22 Small Tools & Supplies | 160 | 0 | 160 | 0.0% |
| Rounding | 0 | 4 | (4) | 0.0% |
| Total Moulton Niguel Water District | 15,244 | 240 | 15,004 | 1.5% |
| Total Member Agency | 86,484 | 1,336 | 85,148 | 1.5% |
| Total PC 21 - Effluent Transmission Main | 86,484 | 1,336 | 85,148 | 1.5% |

PC 24 - Aliso Creek Ocean Outfall

Member Agency

City of Laguna Beach

| | | | | |
|---|--------|--------|---------|--------|
| **_5000-**-*** ** Regular Salaries-O&M | 15,672 | 6,932 | 8,740 | 44.2% |
| **_5001-**-*** ** Overtime Salaries-O&M | 432 | 40 | 392 | 9.3% |
| **_5002-**-*** ** Electricity | 200 | 0 | 200 | 0.0% |
| 24-5014-01-05-16 Engineering - Misc. | 0 | 372 | (372) | 0.0% |
| 24-5015-02-05-16 Management Support Services | 2,200 | 1,972 | 228 | 89.6% |
| 24-5017-01-05-16 Legal Fees | 0 | 52 | (52) | 0.0% |
| **_5027-**-*** ** Insurance - Property/Liability | 152 | 488 | (336) | 321.1% |
| **_5031-**-*** ** Safety Supplies | 72 | 420 | (348) | 583.3% |
| 24-5034-02-05-16 Travel Expense/Tech. Conferences | 220 | 0 | 220 | 0.0% |
| **_5036-**-*** ** Laboratory Supplies | 2,312 | 1,100 | 1,212 | 47.6% |
| 24-5038-02-05-16 Permits | 15,180 | 15,780 | (600) | 104.0% |
| **_5044-**-*** ** Offshore Monitoring - 20A | 2,892 | 1,876 | 1,016 | 64.9% |
| **_5045-**-*** ** Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **_5046-**-*** ** Effluent Chemistry - 20C | 3,756 | 1,816 | 1,940 | 48.3% |
| **_5058-**-*** ** Maintenance Equip. & Facilities (Common) 41-C | 0 | 296 | (296) | 0.0% |
| **_5067-**-*** ** Port Cleaning | 0 | 0 | 0 | 0.0% |
| **_5069-**-*** ** Outfall Inspection/Port Cleaning | 2,168 | 3,892 | (1,724) | 179.5% |
| **_5306-**-*** ** Scheduled Holiday Work | 288 | 4 | 284 | 1.4% |
| **_5401-**-*** ** Fringe Benefits IN to PC's & Depts. | 11,128 | 6,008 | 5,120 | 54.0% |
| 24-5802-01-05-16 Shipping/Freight | 0 | 4 | (4) | 0.0% |
| 24-6500-02-05-16 IT Allocations in to PC's & Depts. | 2,064 | 1,880 | 184 | 91.1% |
| Total City of Laguna Beach | 58,736 | 42,932 | 15,804 | 73.1% |

El Toro Water District

| | | | | |
|---|---------|--------|---------|--------|
| **_5000-**-*** ** Regular Salaries-O&M | 33,408 | 9,120 | 24,288 | 27.3% |
| **_5001-**-*** ** Overtime Salaries-O&M | 924 | 52 | 872 | 5.6% |
| **_5002-**-*** ** Electricity | 424 | 0 | 424 | 0.0% |
| 24-5014-01-05-19 Engineering - Misc. | 0 | 552 | (552) | 0.0% |
| 24-5015-02-05-19 Management Support Services | 3,260 | 2,920 | 340 | 89.6% |
| 24-5017-01-05-19 Legal Fees | 0 | 76 | (76) | 0.0% |
| **_5027-**-*** ** Insurance - Property/Liability | 228 | 720 | (492) | 315.8% |
| **_5031-**-*** ** Safety Supplies | 152 | 552 | (400) | 363.2% |
| 24-5034-02-05-19 Travel Expense/Tech. Conferences | 328 | 0 | 328 | 0.0% |
| **_5036-**-*** ** Laboratory Supplies | 4,928 | 1,448 | 3,480 | 29.4% |
| 24-5038-02-05-19 Permits | 22,496 | 23,380 | (884) | 103.9% |
| **_5044-**-*** ** Offshore Monitoring - 20A | 6,160 | 2,776 | 3,384 | 45.1% |
| **_5045-**-*** ** Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **_5046-**-*** ** Effluent Chemistry - 20C | 8,008 | 2,388 | 5,620 | 29.8% |
| **_5058-**-*** ** Maintenance Equip. & Facilities (Common) 41-C | 0 | 388 | (388) | 0.0% |
| **_5067-**-*** ** Port Cleaning | 0 | 0 | 0 | 0.0% |
| **_5069-**-*** ** Outfall Inspection/Port Cleaning | 4,620 | 5,768 | (1,148) | 124.8% |
| **_5306-**-*** ** Scheduled Holiday Work | 616 | 4 | 612 | 0.6% |
| **_5401-**-*** ** Fringe Benefits IN to PC's & Depts. | 23,720 | 7,904 | 15,816 | 33.3% |
| 24-5802-01-05-19 Shipping/Freight | 0 | 4 | (4) | 0.0% |
| 24-6500-02-05-19 IT Allocations in to PC's & Depts. | 3,060 | 2,788 | 272 | 91.1% |
| Total El Toro Water District | 112,332 | 60,840 | 51,492 | 54.2% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|--------------------------------------|---|----------------------|-------------------|------------------------|------------|
| Emerald Bay Service District | | | | | |
| **-5000-**-*** | Regular Salaries-O&M | 516 | 216 | 300 | 41.9% |
| 24-5001-02-12-20 | Overtime Salaries-O&M | 12 | 0 | 12 | 0.0% |
| **-5002-**-*** | Electricity | 8 | 0 | 8 | 0.0% |
| 24-5014-01-05-20 | Engineering - Misc. | 0 | 28 | (28) | 0.0% |
| 24-5015-02-05-20 | Management Support Services | 156 | 140 | 16 | 89.7% |
| 24-5017-01-05-20 | Legal Fees | 0 | 4 | (4) | 0.0% |
| **-5027-**-*** | Insurance - Property/Liability | 12 | 36 | (24) | 300.0% |
| **-5031-**-*** | Safety Supplies | 4 | 16 | (12) | 400.0% |
| 24-5034-02-05-20 | Travel Expense/Tech. Conferences | 16 | 0 | 16 | 0.0% |
| **-5036-**-*** | Laboratory Supplies | 76 | 32 | 44 | 42.1% |
| 24-5038-02-05-20 | Permits | 1,076 | 1,120 | (44) | 104.1% |
| **-5044-**-*** | Offshore Monitoring - 20A | 96 | 132 | (36) | 137.5% |
| **-5045-**-*** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-*** | Effluent Chemistry - 20C | 124 | 56 | 68 | 45.2% |
| 24-5058-01-12-20 | Maintenance Equip. & Facilities (Common) 41-C | 0 | 8 | (8) | 0.0% |
| **-5067-**-*** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| **-5069-**-*** | Outfall Inspection/Port Cleaning | 68 | 276 | (208) | 405.9% |
| 24-5306-02-12-20 | Scheduled Holiday Work | 8 | 0 | 8 | 0.0% |
| **-5401-**-*** | Fringe Benefits IN to PC's & Depts. | 364 | 188 | 176 | 51.6% |
| **-6500-**-*** | IT Allocations in to PC's & Depts. | 148 | 132 | 16 | 89.2% |
| Total Emerald Bay Service District | | 2,684 | 2,384 | 300 | 88.8% |
| Irvine Ranch Water District | | | | | |
| **-5000-**-*** | Regular Salaries-O&M | 29,740 | 62,748 | (33,008) | 211.0% |
| **-5001-**-*** | Overtime Salaries-O&M | 824 | 368 | 456 | 44.7% |
| **-5002-**-*** | Electricity | 384 | 0 | 384 | 0.0% |
| 24-5014-01-05-21 | Engineering - Misc. | 0 | 536 | (536) | 0.0% |
| 24-5015-02-05-21 | Management Support Services | 3,152 | 2,824 | 328 | 89.6% |
| 24-5017-01-05-21 | Legal Fees | 0 | 72 | (72) | 0.0% |
| **-5027-**-*** | Insurance - Property/Liability | 220 | 696 | (476) | 316.4% |
| **-5031-**-*** | Safety Supplies | 136 | 3,792 | (3,656) | 2788.2% |
| 24-5034-02-05-21 | Travel Expense/Tech. Conferences | 316 | 0 | 316 | 0.0% |
| **-5036-**-*** | Laboratory Supplies | 4,388 | 9,944 | (5,556) | 226.6% |
| 24-5038-02-05-21 | Permits | 21,748 | 22,608 | (860) | 104.0% |
| **-5044-**-*** | Offshore Monitoring - 20A | 5,480 | 2,684 | 2,796 | 49.0% |
| **-5045-**-*** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-*** | Effluent Chemistry - 20C | 7,128 | 16,428 | (9,300) | 230.5% |
| **-5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 0 | 2,664 | (2,664) | 0.0% |
| **-5067-**-*** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| **-5069-**-*** | Outfall Inspection/Port Cleaning | 4,116 | 5,576 | (1,460) | 135.5% |
| **-5306-**-*** | Scheduled Holiday Work | 548 | 36 | 512 | 6.6% |
| 24-5307-02-12-21 | Weekend Shift Pay | 0 | 4 | (4) | 0.0% |
| **-5401-**-*** | Fringe Benefits IN to PC's & Depts. | 21,116 | 54,356 | (33,240) | 257.4% |
| **-6500-**-*** | IT Allocations in to PC's & Depts. | 2,960 | 2,696 | 264 | 91.1% |
| Total Irvine Ranch Water District | | 102,256 | 188,032 | (85,776) | 183.9% |
| Moulton Niguel Water District | | | | | |
| **-5000-**-*** | Regular Salaries-O&M | 18,844 | 12,536 | 6,308 | 66.5% |
| **-5001-**-*** | Overtime Salaries-O&M | 520 | 72 | 448 | 13.8% |
| **-5002-**-*** | Electricity | 248 | 0 | 248 | 0.0% |
| 24-5014-01-05-22 | Engineering - Misc. | 0 | 1,488 | (1,488) | 0.0% |
| 24-5015-02-05-22 | Management Support Services | 8,772 | 7,856 | 916 | 89.6% |
| 24-5017-01-05-22 | Legal Fees | 0 | 204 | (204) | 0.0% |
| **-5027-**-*** | Insurance - Property/Liability | 612 | 1,940 | (1,328) | 317.0% |

South Orange County Wastewater Authority
O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2016-17 Budget | FY 2016-17 Actual | (Over)/Under Budget | % Expended |
|-----------------------------------|---|----------------------|-------------------|------------------------|------------|
| **-5031-**-**-** | Safety Supplies | 88 | 756 | (668) | 859.1% |
| 24-5034-02-05-22 | Travel Expense/Tech. Conferences | 876 | 0 | 876 | 0.0% |
| **_5036-**-**-** | Laboratory Supplies | 2,780 | 1,988 | 792 | 71.5% |
| 24-5038-02-05-22 | Permits | 60,512 | 62,900 | (2,388) | 103.9% |
| **-5044-**-**-** | Offshore Monitoring - 20A | 3,476 | 7,472 | (3,996) | 215.0% |
| **-5045-**-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-**-** | Effluent Chemistry - 20C | 4,520 | 3,284 | 1,236 | 72.7% |
| **-5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 0 | 532 | (532) | 0.0% |
| **-5067-**-**-** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| **_5069-**-**-** | Outfall Inspection/Port Cleaning | 2,604 | 15,516 | (12,912) | 595.9% |
| **-5306-**-**-** | Scheduled Holiday Work | 348 | 4 | 344 | 1.1% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 13,380 | 10,860 | 2,520 | 81.2% |
| 24-5802-01-05-22 | Shipping/Freight | 0 | 12 | (12) | 0.0% |
| 24-6500-02-05-22 | IT Allocations in to PC's & Depts. | 8,232 | 7,500 | 732 | 91.1% |
| | Rounding | 0 | 14 | (14) | 0.0% |
| | Total Moulton Niguel Water District | 125,812 | 134,934 | (9,122) | 107.2% |
| South Coast Water District | | | | | |
| **-5000-**-**-** | Regular Salaries-O&M | 10,292 | 2,952 | 7,340 | 28.7% |
| **-5001-**-**-** | Overtime Salaries-O&M | 288 | 16 | 272 | 5.6% |
| **-5002-**-**-** | Electricity | 136 | 0 | 136 | 0.0% |
| 24-5014-01-05-24 | Engineering - Misc. | 0 | 416 | (416) | 0.0% |
| 24-5015-02-05-24 | Management Support Services | 2,464 | 2,204 | 260 | 89.4% |
| 24-5017-01-05-24 | Legal Fees | 0 | 56 | (56) | 0.0% |
| **_5027-**-**-** | Insurance - Property/Liability | 172 | 544 | (372) | 316.3% |
| **-5031-**-**-** | Safety Supplies | 48 | 180 | (132) | 375.0% |
| 24-5034-02-05-24 | Travel Expense/Tech. Conferences | 248 | 0 | 248 | 0.0% |
| **_5036-**-**-** | Laboratory Supplies | 1,520 | 468 | 1,052 | 30.8% |
| 24-5038-02-05-24 | Permits | 16,988 | 17,660 | (672) | 104.0% |
| **-5044-**-**-** | Offshore Monitoring - 20A | 1,900 | 2,096 | (196) | 110.3% |
| **-5045-**-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-**-** | Effluent Chemistry - 20C | 2,468 | 772 | 1,696 | 31.3% |
| **-5058-**-**-** | Maintenance Equip. & Facilities (Common) 41-C | 0 | 124 | (124) | 0.0% |
| **-5067-**-**-** | Port Cleaning | 0 | 0 | 0 | 0.0% |
| **_5069-**-**-** | Outfall Inspection/Port Cleaning | 1,424 | 4,356 | (2,932) | 305.9% |
| **-5306-**-**-** | Scheduled Holiday Work | 188 | 0 | 188 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 7,308 | 2,564 | 4,744 | 35.1% |
| 24-5802-01-05-24 | Shipping/Freight | 0 | 4 | (4) | 0.0% |
| 24-6500-02-05-24 | IT Allocations in to PC's & Depts. | 2,312 | 2,104 | 208 | 91.0% |
| | Total South Coast Water District | 47,756 | 36,516 | 11,240 | 76.5% |
| | Total Member Agency | 449,576 | 465,638 | (16,062) | 103.6% |
| | Total PC 24 - Aliso Creek Ocean Outfall | 449,576 | 465,638 | (16,062) | 103.6% |
| | Rounding | 0 | 1 | (1) | |
| | Total All Project Committees | 17,464,324 | 16,587,654 | 876,670 | 95.0% |

Report name: Member Agency Detail
Chart template: MA - Total
Include these Department(s): 01, 02

South Orange County Wastewater Authority
O & M (includes Environmental & Safety Costs) Summary
YTD - As of June 30, 2017

| | | FY 2016-17 Orig Bdgt | Actual | (Over)/Under Budget | % Expended |
|--------------------------|-------------------------------------|-------------------------|------------------|------------------------|---------------|
| Salary and Fringe | | | | | |
| **5000-**-** | Regular Salaries-O&M | 4,249,384 | 3,999,700 | 249,684 | 94.1% |
| **5001-**-** | Overtime Salaries-O&M | 79,080 | 147,164 | (68,084) | 186.1% |
| **5302-**-** | Performance Based Merit Pay | - | 23,920 | (23,920) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 50,700 | 25,100 | 25,600 | 49.5% |
| **5307-**-** | Weekend Shift Pay | - | 948 | (948) | 0.0% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 3,017,080 | 3,464,656 | (447,576) | 114.8% |
| **5700-**-** | Standby Pay | 137,588 | 68,908 | 68,680 | 50.1% |
| | Total Payroll Costs | 7,533,832 | 7,730,396 | (196,564) | 102.6% |
| Other Expenses | | | | | |
| **5002-**-** | Electricity | 1,809,012 | 1,464,884 | 344,128 | 81.0% |
| **5003-**-** | Natural Gas | 167,304 | 139,972 | 27,332 | 83.7% |
| **5004-**-** | Potable & Reclaimed Water | 59,208 | 58,268 | 940 | 98.4% |
| **5005-**-** | Co-generation Power Credit | (450,004) | (201,608) | (248,396) | 44.8% |
| **5006-**-** | Chlorine/Sodium Hypochlorite | 542,404 | 422,592 | 119,812 | 77.9% |
| **5007-**-** | Polymer Products | 646,504 | 506,568 | 139,936 | 78.4% |
| **5008-**-** | Ferric Chloride | 251,800 | 268,556 | (16,756) | 106.7% |
| **5009-**-** | Odor Control Chemicals | 167,404 | 148,232 | 19,172 | 88.6% |
| **5010-**-** | Other Chemicals - Misc. | 5,000 | 992 | 4,008 | 19.8% |
| **5011-**-** | Laboratory Services | 35,700 | 29,424 | 6,276 | 82.4% |
| **5012-**-** | Grit Hauling - 21A | 113,200 | 120,132 | (6,932) | 106.1% |
| **5013-**-** | Landscaping | 160,000 | 199,372 | (39,372) | 124.6% |
| **5014-**-** | Engineering - Misc. | 335,000 | 103,820 | 231,180 | 31.0% |
| **5015-**-** | Management Support Services | 294,024 | 95,040 | 198,984 | 32.3% |
| **5016-**-** | Audit - Environmental | 500 | - | 500 | 0.0% |
| **5017-**-** | Legal Fees | 88,004 | 41,180 | 46,824 | 46.8% |
| **5018-**-** | Public Notices/ Public Relations | 500 | 140 | 360 | 28.0% |
| **5019-**-** | Contract Services Misc. - 29 | 270,408 | 204,068 | 66,340 | 75.5% |
| **5021-**-** | Small Vehicle Expense - 31A | 19,444 | 28,168 | (8,724) | 144.9% |
| **5022-**-** | Miscellaneous Expense | 16,804 | 12,352 | 4,452 | 73.5% |
| **5023-**-** | Office Supplies - All | 33,604 | 39,432 | (5,828) | 117.3% |
| **5024-**-** | Petroleum Products | 58,400 | 34,628 | 23,772 | 59.3% |
| **5025-**-** | Uniforms | 34,408 | 36,924 | (2,516) | 107.3% |
| **5026-**-** | Small Vehicle Fuel - 37A | 33,704 | 14,744 | 18,960 | 43.8% |
| **5027-**-** | Insurance - Property/Liability | 110,188 | 160,192 | (50,004) | 145.4% |
| **5028-**-** | Small Tools & Supplies | 63,128 | 64,332 | (1,204) | 101.9% |
| **5030-**-** | Trash Disposal | 4,808 | 4,864 | (56) | 101.2% |
| **5031-**-** | Safety Supplies | 91,500 | 119,600 | (28,100) | 130.7% |
| **5032-**-** | Equipment Rental | 7,204 | 15,752 | (8,548) | 218.7% |
| **5033-**-** | Recruitment | - | 1,480 | (1,480) | 0.0% |
| **5034-**-** | Travel Expense/Tech. Conferences | 40,016 | 19,784 | 20,232 | 49.4% |
| **5035-**-** | Training Expense | 62,496 | 52,516 | 9,980 | 84.0% |
| **5036-**-** | Laboratory Supplies | 75,508 | 68,796 | 6,712 | 91.1% |
| **5037-**-** | Office Equipment | 21,404 | 19,968 | 1,436 | 93.3% |
| **5038-**-** | Permits | 488,020 | 475,008 | 13,012 | 97.3% |
| **5039-**-** | Membership Dues/Fees | 12,012 | 14,364 | (2,352) | 119.6% |
| **5040-**-** | Natural Gas - 11-EPS - PC 5 | 396 | - | 396 | 0.0% |
| **5041-**-** | Electricity - 10-EPS - PC 5 | 31,500 | - | 31,500 | 0.0% |

South Orange County Wastewater Authority
O & M (includes Environmental & Safety Costs) Summary
YTD - As of June 30, 2017

| | | FY 2016-17 Orig Bdgt | Actual | (Over)/Under Budget | % Expended |
|---------------------|--|-------------------------|-------------------|------------------------|--------------|
| **_5042-**-**_**_** | Contract Services - 29-EPS - PC 5 | 4,104 | - | 4,104 | 0.0% |
| **_5044-**-**_**_** | Offshore Monitoring - 20A | 40,008 | 32,628 | 7,380 | 81.6% |
| **_5045-**-**_**_** | Offshore Biochemistry - 20B | - | - | - | 0.0% |
| **_5046-**-**_**_** | Effluent Chemistry - 20C | 52,004 | 38,856 | 13,148 | 74.7% |
| **_5047-**-**_**_** | Access Road Expenses | 45,400 | 36,244 | 9,156 | 79.8% |
| **_5048-**-**_**_** | Storm Damage | 18,600 | 30,592 | (11,992) | 164.5% |
| **_5049-**-**_**_** | Biosolids Disposal - 21B | 1,524,604 | 1,481,192 | 43,412 | 97.2% |
| **_5050-**-**_**_** | Contract Services Generators - 29A | 19,704 | 22,524 | (2,820) | 114.3% |
| **_5052-**-**_**_** | Janitorial Services | 50,008 | 34,404 | 15,604 | 68.8% |
| **_5053-**-**_**_** | Contract Serv - Digester Cleaning - 29E | - | - | - | 0.0% |
| **_5054-**-**_**_** | Diesel Truck Maint - 31B | 29,512 | 24,172 | 5,340 | 81.9% |
| **_5055-**-**_**_** | Diesel Truck Fuel - 37B | 12,200 | 8,696 | 3,504 | 71.3% |
| **_5056-**-**_**_** | Maintenance Equip. & Facilities (Solids) 41-A | 311,500 | 343,868 | (32,368) | 110.4% |
| **_5057-**-**_**_** | Maintenance Equip. & Facilities (Liquids) 41-B | 530,400 | 542,340 | (11,940) | 102.3% |
| **_5058-**-**_**_** | Maintenance Equip. & Facilities (Common) 41-C | 60,300 | 71,876 | (11,576) | 119.2% |
| **_5059-**-**_**_** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 158,500 | 93,992 | 64,508 | 59.3% |
| **_5060-**-**_**_** | Maintenance Equip. & Facilities (AWT) 41-E | 57,600 | 59,868 | (2,268) | 103.9% |
| **_5061-**-**_**_** | Mileage | 4,952 | 4,508 | 444 | 91.0% |
| **_5067-**-**_**_** | Port Cleaning | - | - | - | 0.0% |
| **_5068-**-**_**_** | MNWD Lab Services and Supplies | 23,996 | 22,508 | 1,488 | 93.8% |
| **_5069-**-**_**_** | Outfall Inspection/Port Cleaning | 65,004 | 102,672 | (37,668) | 158.0% |
| **_5077-**-**_**_** | IT Direct | 150,004 | 296,152 | (146,148) | 197.4% |
| **_5101-**-**_**_** | Employee Recognition | - | 1,928 | (1,928) | 0.0% |
| **_5105-**-**_**_** | Co-Generation Power Credit - Offset | 450,004 | 201,616 | 248,388 | 44.8% |
| **_5301-**-**_**_** | Vehicle Pay | - | 2,476 | (2,476) | 0.0% |
| **_5303-**-**_**_** | Group Insurance Waiver | - | 7,380 | (7,380) | 0.0% |
| **_5305-**-**_**_** | Medicare Tax Payments for Employees | - | 12,064 | (12,064) | 0.0% |
| **_5309-**-**_**_** | Operating Leases | 7,004 | 5,084 | 1,920 | 72.6% |
| **_5705-**-**_**_** | Monthly Car Allowance | 37,320 | 29,316 | 8,004 | 78.6% |
| **_5802-**-**_**_** | Shipping/Freight | - | 644 | (644) | 0.0% |
| **_6500-**-**_**_** | IT Allocations in to PC's & Depts. | 577,252 | 564,968 | 12,284 | 97.9% |
| | Rounding | - | 154 | (154) | 0.0% |
| | Total Other Expenses | 9,930,492 | 8,857,258 | 1,073,234 | 89.2% |
| | Total Expenses | 17,464,324 | 16,587,654 | 876,670 | 95.0% |

Report name: O & M Costs by Line Item- Segments Masked
 Include these Project Committees: 02, 03, 05, 08, 12, 15, 17, 21, 24
 Include these Department(s): 02, 01

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|---------------------------------|-------------------------------------|-----------|-----------|------------------------|---------------|
| 02 - Jay B. Latham Plant | | | | | |
| Salary and Fringe | | | | | |
| 02-5000-01-**-** | Regular Salaries-O&M | 1,164,588 | 1,181,096 | (16,508) | 101.42% |
| 02-5000-02-**-** | Regular Salaries-O&M | 141,832 | 150,056 | (8,224) | 105.80% |
| 02-5001-01-**-** | Overtime Salaries-O&M | 18,004 | 46,392 | (28,388) | 257.68% (1) |
| 02-5001-02-**-** | Overtime Salaries-O&M | 2,404 | 596 | 1,808 | 24.79% |
| 02-5302-01-**-** | Performance Based Merit Pay | 0 | 10,640 | (10,640) | 0.00% |
| 02-5306-01-**-** | Scheduled Holiday Work | 12,004 | 8,352 | 3,652 | 69.58% |
| 02-5306-02-**-** | Scheduled Holiday Work | 1,596 | 1,392 | 204 | 87.22% |
| 02-5307-01-**-** | Weekend Shift Pay | 0 | 396 | (396) | 0.00% (2) |
| 02-5307-02-**-** | Weekend Shift Pay | 0 | 20 | (20) | 0.00% (2) |
| 02-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 826,864 | 1,030,660 | (203,796) | 124.65% (3) |
| 02-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 100,704 | 129,980 | (29,276) | 129.07% (3) |
| 02-5700-01-**-** | Standby Pay | 51,492 | 28,440 | 23,052 | 55.23% |
| | Total Payroll Costs | 2,319,488 | 2,588,020 | (268,532) | 111.58% |
| Other Expenses | | | | | |
| 02-5002-01-**-** | Electricity | 859,996 | 857,656 | 2,340 | 99.73% |
| 02-5003-01-**-** | Natural Gas | 30,000 | 51,224 | (21,224) | 170.75% (4) |
| 02-5004-01-**-** | Potable & Reclaimed Water | 14,804 | 14,224 | 580 | 96.08% |
| 02-5006-01-**-** | Chlorine/Sodium Hypochlorite | 27,200 | 15,836 | 11,364 | 58.22% |
| 02-5007-01-**-** | Polymer Products | 257,500 | 175,488 | 82,012 | 68.15% |
| 02-5008-01-**-** | Ferric Chloride | 90,600 | 94,560 | (3,960) | 104.37% |
| 02-5009-01-**-** | Odor Control Chemicals | 21,400 | 27,420 | (6,020) | 128.13% (5) |
| 02-5010-01-**-** | Other Chemicals - Misc. | 1,000 | 524 | 476 | 52.40% |
| 02-5011-02-**-** | Laboratory Services | 10,500 | 10,736 | (236) | 102.25% |
| 02-5012-01-**-** | Grit Hauling - 21A | 38,500 | 46,644 | (8,144) | 121.15% (6) |
| 02-5013-01-**-** | Landscaping | 45,000 | 33,148 | 11,852 | 73.66% |
| 02-5014-01-**-** | Engineering - Misc. | 80,000 | 7,564 | 72,436 | 9.46% |
| 02-5015-01-**-** | Management Support Services | 96,000 | 5,232 | 90,768 | 5.45% |
| 02-5015-02-**-** | Management Support Services | 40,004 | 28,932 | 11,072 | 72.32% |
| 02-5017-01-**-** | Legal Fees | 23,996 | 7,208 | 16,788 | 30.04% |
| 02-5019-01-**-** | Contract Services Misc. - 29 | 77,304 | 70,124 | 7,180 | 90.71% |
| 02-5021-01-**-** | Small Vehicle Expense - 31A | 7,204 | 12,352 | (5,148) | 171.46% (7) |
| 02-5022-01-**-** | Miscellaneous Expense | 7,204 | 5,792 | 1,412 | 80.40% |
| 02-5023-01-**-** | Office Supplies - All | 20,004 | 21,816 | (1,812) | 109.06% (8) |
| 02-5024-01-**-** | Petroleum Products | 15,500 | 4,080 | 11,420 | 26.32% |
| 02-5025-01-**-** | Uniforms | 12,004 | 13,480 | (1,476) | 112.30% (9) |
| 02-5026-01-**-** | Small Vehicle Fuel - 37A | 14,108 | 6,828 | 7,280 | 48.40% |
| 02-5027-01-**-** | Insurance - Property/Liability | 42,748 | 56,932 | (14,184) | 133.18% (10) |
| 02-5027-02-**-** | Insurance - Property/Liability | 4,996 | 0 | 4,996 | 0.00% (10) |
| 02-5028-01-**-** | Small Tools & Supplies | 31,004 | 32,764 | (1,760) | 105.68% (11) |
| 02-5030-01-**-** | Trash Disposal | 800 | 2,184 | (1,384) | 273.00% (12) |
| 02-5031-02-**-** | Safety Supplies | 35,004 | 42,840 | (7,836) | 122.39% (13) |
| 02-5032-01-**-** | Equipment Rental | 3,000 | 600 | 2,400 | 20.00% |
| 02-5033-01-**-** | Recruitment | 0 | 204 | (204) | 0.00% (14) |
| 02-5034-01-**-** | Travel Expense/Tech. Conferences | 11,000 | 8,964 | 2,036 | 81.49% |
| 02-5034-02-**-** | Travel Expense/Tech. Conferences | 3,504 | 1,744 | 1,760 | 49.77% |
| 02-5035-01-**-** | Training Expense | 31,004 | 15,948 | 15,056 | 51.44% |
| 02-5035-02-**-** | Training Expense | 0 | 4,880 | (4,880) | 0.00% (15) |
| 02-5036-02-**-** | Laboratory Supplies | 14,000 | 13,276 | 724 | 94.83% |
| 02-5037-01-**-** | Office Equipment | 15,004 | 13,976 | 1,028 | 93.15% |
| 02-5038-02-**-** | Permits | 22,000 | 17,680 | 4,320 | 80.36% |
| 02-5039-01-**-** | Membership Dues/Fees | 4,000 | 6,092 | (2,092) | 152.30% |
| 02-5039-02-**-** | Membership Dues/Fees | 1,000 | 272 | 728 | 27.20% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|------------------|---|-----------|-----------|------------------------|---------------|
| 02-5049-01-**-** | Biosolids Disposal - 21B | 574,600 | 549,532 | 25,068 | 95.64% |
| 02-5050-01-**-** | Contract Services Generators - 29A | 8,296 | 5,984 | 2,312 | 72.13% |
| 02-5052-01-**-** | Janitorial Services | 20,004 | 16,008 | 3,996 | 80.02% (16) |
| 02-5054-01-**-** | Diesel Truck Maint - 31B | 10,004 | 9,260 | 744 | 92.56% |
| 02-5055-01-**-** | Diesel Truck Fuel - 37B | 6,000 | 4,576 | 1,424 | 76.27% |
| 02-5056-01-**-** | Maintenance Equip. & Facilities (Solids) | 133,100 | 142,164 | (9,064) | 106.81% (17) |
| 02-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) | 232,204 | 234,996 | (2,792) | 101.20% |
| 02-5058-01-**-** | Maintenance Equip. & Facilities (Commc | 24,500 | 14,796 | 9,704 | 60.39% |
| 02-5059-01-**-** | Maintenance Equip. & Facilities (Co-Gen | 69,000 | 36,228 | 32,772 | 52.50% |
| 02-5061-01-**-** | Mileage | 496 | 1,028 | (532) | 207.26% (18) |
| 02-5061-02-**-** | Mileage | 256 | 1,156 | (900) | 451.56% (18) |
| 02-5077-01-**-** | IT Direct | 150,004 | 171,392 | (21,388) | 114.26% (19) |
| 02-5303-01-**-** | Group Insurance Waiver | 0 | 2,948 | (2,948) | 0.00% (14) |
| 02-5303-02-**-** | Group Insurance Waiver | 0 | 644 | (644) | 0.00% (14) |
| 02-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 3,560 | (3,560) | 0.00% (14) |
| 02-5305-02-**-** | Medicare Tax Payments for Employees | 0 | 88 | (88) | 0.00% (14) |
| 02-5309-01-**-** | Operating Leases | 4,000 | 5,084 | (1,084) | 127.10% (20) |
| 02-5705-01-**-** | Monthly Car Allowance | 11,000 | 10,288 | 712 | 93.53% |
| 02-5705-02-**-** | Monthly Car Allowance | 12,316 | 0 | 12,316 | 0.00% |
| 02-5802-01-**-** | Shipping/Freight | 0 | 348 | (348) | 0.00% (14) |
| 02-5802-02-**-** | Shipping/Freight | 0 | 112 | (112) | 0.00% (14) |
| 02-6500-01-**-** | IT Allocations in to PC's & Depts. | 162,416 | 158,912 | 3,504 | 97.84% |
| 02-6500-02-**-** | IT Allocations in to PC's & Depts. | 19,052 | 18,836 | 216 | 98.87% |
| | Rounding | 0 | (30) | 30 | 0.00% |
| | Total Other Expenses | 3,446,140 | 3,117,134 | 329,006 | 90.45% |
| | Total Expenses | 5,765,628 | 5,705,154 | 60,474 | 98.95% |

- (1) New equipment startup and troubleshooting Issues, January/February Storms, odor complaint investigations, and staff filling in for vacancies.
- (2) Budgeted as regular salaries in past budgets.
- (3) Actual fringe rate was 86.6%
- (4) Engine project at JBL was behind schedule. This caused increased natural gas purchases for the Boiler to heat the digesters.
- (5) Three deliveries of chemicals were received at the end of the fiscal year and the chemicals will actually be used in FY17-18.
- (6) The January and February storms caused equipment damage and the equipment failures increased the weight of the grit hauled offsite.
- (7) Increasing expenses due to average fleet age of 11 years.
- (8) Office supplies and equipment due to new office set ups.
- (9) Employee expenses due to 10% workforce retirements.
- (10) Increased Premiums
- (11) Extra metric and specialty tools required for the new engine maintenance were unanticipated.
- (12) Elevated trash disposals due to cleaning areas for planned CIP projects.
- (13) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.
- (14) Expense Line Item Not Budgeted
- (15) Training Expenses for new employees.
- (16) Budgeted high level of expense for newly anticipated contract with more thorough cleaning requirements. Proposals received were too high and rejected by the Board in May. The contract services scope is being revised for reissuance.
- (17) Solids expenses were elevated due to several larger repairs to the digester gas system to allow the system to be placed back in service with the larger CIP project.
- (18) Mileage increase.
- (19) IT Direct higher due to unanticipated SCADA software and hardware upgrades due to obsolesce.
- (20) Engine project at JBL was behind schedule. This caused the construction trailer to be onsite longer than planned.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|--------------------------------|-------------------------------------|--------|--------|------------------------|---------------|
| 03 - SOCWA Plan/PCA AWT | | | | | |
| Salary and Fringe | | | | | |
| 03-5000-01-**-** | Regular Salaries-O&M | 0 | 2,440 | (2,440) | 0.00% |
| 03-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 0 | 2,112 | (2,112) | 0.00% |
| | Rounding | 0 | 5 | (5) | 0.00% |
| | Total Payroll Costs | 0 | 4,557 | (4,557) | 0.00% |
| | Total Expenses | 0 | 4,557 | (4,557) | 0.00% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % |
|--|--|---------|---------|------------------------|--------------|
| | | | | | Expended |
| 05 - San Juan Creek Ocean Outfall | | | | | |
| Salary and Fringe | | | | | |
| 05-5000-01-**-** | Regular Salaries-O&M | 11,496 | 520 | 10,976 | 4.52% |
| 05-5000-02-**-** | Regular Salaries-O&M | 99,672 | 99,084 | 588 | 99.41% |
| 05-5001-02-**-** | Overtime Salaries-O&M | 3,000 | 52 | 2,948 | 1.73% |
| 05-5306-02-**-** | Scheduled Holiday Work | 1,992 | 0 | 1,992 | 0.00% |
| 05-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 8,164 | 448 | 7,716 | 5.49% (1) |
| 05-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 70,768 | 85,832 | (15,064) | 121.29% (1) |
| | Total Payroll Costs | 195,092 | 185,936 | 9,156 | 95.31% |
| Other Expenses | | | | | |
| 05-5002-01-**-** | Electricity | 1,000 | 128 | 872 | 12.80% |
| 05-5002-02-**-** | Electricity | 1,104 | 0 | 1,104 | 0.00% (2) |
| 05-5003-01-**-** | Natural Gas | 0 | 172 | (172) | 0.00% |
| 05-5003-02-**-** | Natural Gas | 504 | 0 | 504 | 0.00% (2) |
| 05-5014-01-**-** | Engineering - Misc. | 10,000 | 2,592 | 7,408 | 25.92% |
| 05-5015-02-**-** | Management Support Services | 20,004 | 19,512 | 492 | 97.54% |
| 05-5017-01-**-** | Legal Fees | 0 | 484 | (484) | 0.00% |
| 05-5022-02-**-** | Miscellaneous Expense | 0 | 1,732 | (1,732) | 0.00% |
| 05-5027-01-**-** | Insurance - Property/Liability | 0 | 4,428 | (4,428) | 0.00% (3) |
| 05-5027-02-**-** | Insurance - Property/Liability | 2,332 | 580 | 1,752 | 24.87% (3) |
| 05-5031-02-**-** | Safety Supplies | 504 | 5,716 | (5,212) | 1134.13% (4) |
| 05-5034-02-**-** | Travel Expense/Tech. Conferences | 3,004 | 400 | 2,604 | 13.32% |
| 05-5036-02-**-** | Laboratory Supplies | 16,996 | 15,404 | 1,592 | 90.63% |
| 05-5038-02-**-** | Permits | 145,000 | 182,524 | (37,524) | 125.88% |
| 05-5040-02-**-** | Natural Gas - 11-EPS - PC 5 | 396 | 0 | 396 | 0.00% (5) |
| 05-5041-02-**-** | Electricity - 10-EPS - PC 5 | 31,500 | 0 | 31,500 | 0.00% (5) |
| 05-5042-02-**-** | Contract Services - 29-EPS - PC 5 | 4,104 | 0 | 4,104 | 0.00% (5) |
| 05-5044-02-**-** | Offshore Monitoring - 20A | 20,004 | 15,592 | 4,412 | 77.94% |
| 05-5046-02-**-** | Effluent Chemistry - 20C | 26,000 | 14,112 | 11,888 | 54.28% |
| 05-5056-01-**-** | Maintenance Equip. & Facilities (Solids) | 0 | 2,092 | (2,092) | 0.00% (6) |
| 05-5069-02-**-** | Misc-Capital-Dilution & Metering Study | 50,004 | 67,288 | (17,284) | 134.57% |
| 05-5101-02-**-** | Employee Recognition | 0 | 1,228 | (1,228) | 0.00% (7) |
| 05-5301-02-**-** | Vehicle Pay | 0 | 160 | (160) | 0.00% |
| 05-5305-02-**-** | Medicare Tax Payments for Employees | 0 | 1,932 | (1,932) | 0.00% (7) |
| 05-5705-02-**-** | Monthly Car Allowance | 0 | 4,124 | (4,124) | 0.00% (8) |
| 05-5802-01-**-** | Shipping/Freight | 0 | 24 | (24) | 0.00% (7) |
| 05-6500-02-**-** | IT Allocations in to PC's & Depts. | 28,308 | 23,688 | 4,620 | 83.68% |
| | Rounding | 0 | (3) | 3 | 0.00% |
| | Total Other Expenses | 360,764 | 363,909 | (3,145) | 100.87% |
| | Total Expenses | 555,856 | 549,845 | 6,011 | 98.92% |

- (1) Actual fringe rate was 86.6%
- (2) Expenses to be reclassified to Department 01 in the Use Audit.
- (3) Increased Premiums
- (4) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.
- (5) Based on the cost allocation workshop recommendation these costs will be reclassified to PC-2.
- (6) Security and communications work occurred during the Fiscal Year.
- (7) Expense Line Item Not Budgeted
- (8) Expense under budgeted for PC. Overall expense is under budget.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % |
|---------------------------|-------------------------------------|---------|---------|------------------------|--------------|
| | | | | | Expended |
| 08 - Pre Treatment | | | | | |
| Salary and Fringe | | | | | |
| 08-5000-02-**-** | Regular Salaries-O&M | 87,744 | 76,496 | 11,248 | 87.18% |
| 08-5001-02-**-** | Overtime Salaries-O&M | 1,800 | 0 | 1,800 | 0.00% |
| 08-5306-02-**-** | Scheduled Holiday Work | 1,196 | 0 | 1,196 | 0.00% |
| 08-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 62,292 | 66,260 | (3,968) | 106.37% (1) |
| | Total Payroll Costs | 153,032 | 142,756 | 10,276 | 93.29% |
| Other Expenses | | | | | |
| 08-5011-02-**-** | Laboratory Services | 2,500 | (1,692) | 4,192 | (67.68%) (2) |
| 08-5015-02-**-** | Management Support Services | 4,000 | 0 | 4,000 | 0.00% |
| 08-5016-02-**-** | Audit - Environmental | 500 | 0 | 500 | 0.00% |
| 08-5017-02-**-** | Legal Fees | 2,000 | 0 | 2,000 | 0.00% |
| 08-5018-02-**-** | Public Notices/ Public Relations | 500 | 140 | 360 | 28.00% |
| 08-5021-02-**-** | Small Vehicle Expense - 31A | 848 | 0 | 848 | 0.00% (3) |
| 08-5022-02-**-** | Miscellaneous Expense | 1,496 | 728 | 768 | 48.66% |
| 08-5026-02-**-** | Small Vehicle Fuel - 37A | 1,196 | 0 | 1,196 | 0.00% |
| 08-5027-02-**-** | Insurance - Property/Liability | 0 | 1,440 | (1,440) | 0.00% (4) |
| 08-5028-02-**-** | Small Tools & Supplies | 3,400 | 1,872 | 1,528 | 55.06% |
| 08-5031-02-**-** | Safety Program & Supplies | 0 | 140 | (140) | 0.00% (5) |
| 08-5034-02-**-** | Travel Expense/Tech. Conferences | 3,496 | 3,132 | 364 | 89.59% |
| 08-5035-02-**-** | Training Expense | 1,496 | 1,500 | (4) | 100.27% |
| 08-5039-02-**-** | Membership Dues/Fees | 1,004 | 136 | 868 | 13.55% |
| | Rounding | 0 | 11 | (11) | 0.00% |
| | Total Other Expenses | 22,436 | 7,407 | 15,029 | 32.96% |
| | Total Expenses | 175,468 | 150,163 | 25,305 | 85.57% |

- (1) Actual fringe rate was 86.6%
- (2) Pretreatment staff needs sufficient buffer should additional investigations occur.
- (3) Increasing expenses due to average fleet age of 11 years.
- (4) Increased Premiums
- (5) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.

12 - Water Reclamation Permits

| | | | | | |
|-------------------|-------------------------------------|---------|---------|---------|-------------|
| Salary and Fringe | | | | | |
| 12-5000-01-**-** | Regular Salaries-O&M | 0 | 240 | (240) | 0.00% |
| 12-5000-02-**-** | Regular Salaries-O&M | 33,040 | 35,320 | (2,280) | 106.90% |
| 12-5001-02-**-** | Overtime Salaries-O&M | 1,444 | 240 | 1,204 | 16.62% |
| 12-5306-02-**-** | Scheduled Holiday Work | 956 | 0 | 956 | 0.00% |
| 12-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 0 | 204 | (204) | 0.00% (1) |
| 12-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 23,464 | 30,584 | (7,120) | 130.34% (1) |
| | Total Payroll Costs | 58,904 | 66,588 | (7,684) | 113.05% |
| Other Expenses | | | | | |
| 12-5015-02-**-** | Management Support Services | 45,004 | 2,400 | 42,604 | 5.33% |
| 12-5017-02-**-** | Legal Fees | 8,008 | 0 | 8,008 | 0.00% |
| 12-5027-02-**-** | Insurance - Property/Liability | 0 | 1,832 | (1,832) | 0.00% |
| 12-5038-02-**-** | Permits | 130,008 | 109,092 | 20,916 | 83.91% |
| 12-6500-02-**-** | IT Allocations in to PC's & Depts. | 20,000 | 15,304 | 4,696 | 76.52% |
| | Rounding | 0 | 36 | (36) | 0.00% |
| | Total Other Expenses | 203,020 | 128,664 | 74,356 | 63.36% |
| | Total Expenses | 261,924 | 195,252 | 66,672 | 74.53% |

- (1) Budgeted as regular salaries in past budgets.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|-------------------------------------|-----------|-----------|------------------------|---------------|
| 15 - Coastal Treatment Plant | | | | | |
| Salary and Fringe | | | | | |
| 15-5000-01-**-** | Regular Salaries-O&M | 732,484 | 681,580 | 50,904 | 93.05% |
| 15-5000-02-**-** | Regular Salaries-O&M | 111,304 | 122,844 | (11,540) | 110.37% |
| 15-5001-01-**-** | Overtime Salaries-O&M | 10,440 | 22,860 | (12,420) | 218.97% (1) |
| 15-5001-02-**-** | Overtime Salaries-O&M | 2,996 | 788 | 2,208 | 26.30% |
| 15-5302-01-**-** | Performance Based Merit Pay | 0 | 6,772 | (6,772) | 0.00% |
| 15-5306-01-**-** | Scheduled Holiday Work | 6,960 | 3,224 | 3,736 | 46.32% |
| 15-5306-02-**-** | Scheduled Holiday Work | 1,996 | 1,208 | 788 | 60.52% |
| 15-5307-01-**-** | Weekend Shift Pay | 0 | 60 | (60) | 0.00% (2) |
| 15-5307-02-**-** | Weekend Shift Pay | 0 | 52 | (52) | 0.00% (2) |
| 15-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 520,060 | 588,384 | (68,324) | 113.14% (3) |
| 15-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 79,032 | 106,412 | (27,380) | 134.64% (3) |
| 15-5700-01-**-** | Standby Pay | 34,596 | 11,052 | 23,544 | 31.95% |
| | Total Payroll Costs | 1,499,868 | 1,545,236 | (45,368) | 103.02% |
| Other Expenses | | | | | |
| 15-5002-01-**-** | Electricity | 270,008 | 205,220 | 64,788 | 76.01% |
| 15-5003-01-**-** | Natural Gas | 2,600 | 2,320 | 280 | 89.23% |
| 15-5004-01-**-** | Potable & Reclaimed Water | 12,404 | 18,136 | (5,732) | 146.21% (4) |
| 15-5006-01-**-** | Chlorine/Sodium Hypochlorite | 115,200 | 64,488 | 50,712 | 55.98% |
| 15-5007-01-**-** | Polymer Products | 2,000 | 0 | 2,000 | 0.00% |
| 15-5008-01-**-** | Ferric Chloride | 30,804 | 28,076 | 2,728 | 91.14% |
| 15-5009-01-**-** | Odor Control Chemicals | 82,400 | 71,552 | 10,848 | 86.84% |
| 15-5010-01-**-** | Other Chemicals - Misc. | 0 | 468 | (468) | 0.00% (5) |
| 15-5011-02-**-** | Laboratory Services | 9,700 | 8,208 | 1,492 | 84.62% |
| 15-5012-01-**-** | Grit Hauling - 21A | 28,200 | 24,672 | 3,528 | 87.49% |
| 15-5013-01-**-** | Landscaping | 50,000 | 76,352 | (26,352) | 152.70% (6) |
| 15-5014-01-**-** | Engineering - Misc. | 65,000 | 7,196 | 57,804 | 11.07% |
| 15-5015-01-**-** | Management Support Services | 8,008 | 6,116 | 1,892 | 76.37% |
| 15-5015-02-**-** | Management Support Services | 4,000 | 0 | 4,000 | 0.00% |
| 15-5017-01-**-** | Legal Fees | 50,000 | 30,588 | 19,412 | 61.18% |
| 15-5019-01-**-** | Contract Services Misc. - 29 | 71,104 | 46,492 | 24,612 | 65.39% |
| 15-5021-01-**-** | Small Vehicle Expense - 31A | 5,692 | 5,324 | 368 | 93.53% (7) |
| 15-5022-01-**-** | Miscellaneous Expense | 2,704 | 1,472 | 1,232 | 54.44% |
| 15-5023-01-**-** | Office Supplies - All | 6,400 | 5,780 | 620 | 90.31% (8) |
| 15-5024-01-**-** | Petroleum Products | 1,700 | 3,968 | (2,268) | 233.41% (9) |
| 15-5025-01-**-** | Uniforms | 5,900 | 7,380 | (1,480) | 125.08% (10) |
| 15-5026-01-**-** | Small Vehicle Fuel - 37A | 5,900 | 1,228 | 4,672 | 20.81% |
| 15-5027-01-**-** | Insurance - Property/Liability | 5,904 | 26,064 | (20,160) | 441.46% (11) |
| 15-5027-02-**-** | Insurance - Property/Liability | 7,240 | 0 | 7,240 | 0.00% (11) |
| 15-5028-01-**-** | Small Tools & Supplies | 7,200 | 7,712 | (512) | 107.11% |
| 15-5030-01-**-** | Trash Disposal | 3,104 | 1,256 | 1,848 | 40.46% |
| 15-5031-02-**-** | Safety Supplies | 18,496 | 20,520 | (2,024) | 110.94% (12) |
| 15-5032-01-**-** | Equipment Rental | 1,200 | 244 | 956 | 20.33% |
| 15-5033-01-**-** | Recruitment | 0 | 296 | (296) | 0.00% (13) |
| 15-5034-01-**-** | Travel Expense/Tech. Conferences | 2,000 | 1,224 | 776 | 61.20% |
| 15-5034-02-**-** | Travel Expense/Tech. Conferences | 3,000 | 0 | 3,000 | 0.00% |
| 15-5035-01-**-** | Training Expense | 5,992 | 8,684 | (2,692) | 144.93% |
| 15-5035-02-**-** | Training Expense | 0 | 3,512 | (3,512) | 0.00% (14) |
| 15-5036-02-**-** | Laboratory Supplies | 10,004 | 7,460 | 2,544 | 74.57% |
| 15-5037-01-**-** | Office Equipment | 1,000 | 172 | 828 | 17.20% |

**South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017**

| | | Budget | Actual | (Over)/Under Budget | % | |
|------------------|---|------------------|------------------|------------------------|---------------|------|
| | | | | | Expended | |
| 15-5038-01-**-** | Permits | 6,504 | 0 | 6,504 | 0.00% | (15) |
| 15-5038-02-**-** | Permits | 6,504 | 4,732 | 1,772 | 72.76% | |
| 15-5039-01-**-** | Membership Dues/Fees | 1,000 | 1,584 | (584) | 158.40% | |
| 15-5039-02-**-** | Membership Dues/Fees | 1,000 | 0 | 1,000 | 0.00% | |
| 15-5047-01-**-** | Access Road Expenses | 45,400 | 36,244 | 9,156 | 79.83% | |
| 15-5048-01-**-** | Storm Damage | 18,600 | 30,592 | (11,992) | 164.47% | (16) |
| 15-5049-01-**-** | Biosolids Disposal - 21B | 125,004 | 0 | 125,004 | 0.00% | |
| 15-5050-01-**-** | Contract Services Generators - 29A | 4,208 | 10,556 | (6,348) | 250.86% | (17) |
| 15-5052-01-**-** | Janitorial Services | 10,000 | 6,976 | 3,024 | 69.76% | (18) |
| 15-5054-01-**-** | Diesel Truck Maint - 31B | 1,004 | 3,356 | (2,352) | 334.26% | (19) |
| 15-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) | 149,096 | 127,588 | 21,508 | 85.57% | |
| 15-5058-01-**-** | Maintenance Equip. & Facilities (Comm) | 16,600 | 23,812 | (7,212) | 143.45% | (20) |
| 15-5060-01-04-24 | Maintenance Equip. & Facilities (AWT) 4 | 26,700 | 29,940 | (3,240) | 112.13% | (21) |
| 15-5061-01-**-** | Mileage | 1,204 | 468 | 736 | 38.87% | |
| 15-5077-01-**-** | IT Direct | 0 | 82,732 | (82,732) | 0.00% | (22) |
| 15-5301-01-01-16 | Vehicle Pay | 0 | 2,316 | (2,316) | 0.00% | |
| 15-5303-01-**-** | Group Insurance Waiver | 0 | 2,000 | (2,000) | 0.00% | (13) |
| 15-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 4,408 | (4,408) | 0.00% | (13) |
| 15-5705-01-**-** | Monthly Car Allowance | 4,004 | 3,700 | 304 | 92.41% | (23) |
| 15-5802-01-**-** | Shipping/Freight | 0 | 12 | (12) | 0.00% | (13) |
| 15-6500-01-**-** | IT Allocations in to PC's & Depts. | 103,256 | 100,720 | 2,536 | 97.54% | |
| 15-6500-02-**-** | IT Allocations in to PC's & Depts. | 15,592 | 15,236 | 356 | 97.72% | |
| | Rounding | 0 | 19 | (19) | 0.00% | |
| | Total Other Expenses | 1,430,540 | 1,179,171 | 251,369 | 82.43% | |
| | Total Expenses | 2,930,408 | 2,724,407 | 206,001 | 92.97% | |

- (1) New equipment startup and troubleshooting Issues, January/February Storms, odor complaint investigations, and staff filling in for vacancies.
- (2) Budgeted as regular salaries in past budgets.
- (3) Actual fringe rate was 86.6%
- (4) Water usage is essentially the same as last FY. The increase is due to increases in user rates higher than budgeted.
- (5) Solvents and degreaser chemicals needed for several repair projects.
- (6) Carryover work from FY15-16 as presented at the June 2016 Board meeting.
- (7) Increasing expenses due to average fleet age of 11 years.
- (8) Office supplies and equipment due to new office set ups.
- (9) Elevated fuel usage was caused by an elevated number of power outages (8) that were over extended durations (2 over 12 hours).
- (10) Employee expenses due to 10% workforce retirement.
- (11) Increased Premiums
- (12) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.
- (13) Expense Line Item Not Budgeted
- (14) Expenses to be reclassified to Department 01 in the Use Audit.
- (15) Not used
- (16) Elevated expenses due to damage from the major January and February storms.
- (17) Work completed for the year and within the 5-year average of maintenance costs.
- (18) Budgeted high level of expense for newly anticipated contract with more thorough cleaning requirements. Proposals received were too high and rejected by the Board in May. The contract services scope is being revised for reissuance.
- (19) The overall budget for diesel truck maintenance is within budget. These charges are associated with higher than planned maintenance of SOCWA's boom truck, which is split between the 3 treatment plants.
- (20) A number of air conditioner units required repairs and were budgeted in FY17-18 for replacement,
- (21) CTP AWT required several upgrades to eliminate water color falsely increasing turbidity and causing AWT shutdowns.
- (22) IT Direct higher due to unanticipated SCADA software and hardware upgrades due to obsolesce.
Software upgrades were required to maintain reporting capabilities from SCADA and the SCADA hardware upgrades
- (23) Expense under budgeted for PC. Overall expense is under budget.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|---|-------------------------------------|-----------|-----------|------------------------|---------------|
| 17 - Joint Regional Wastewater Reclamation and Sludge Handling | | | | | |
| Salary and Fringe | | | | | |
| 17-5000-01-**-** | Regular Salaries-O&M | 1,522,376 | 1,317,864 | 204,512 | 86.57% |
| 17-5000-02-**-** | Regular Salaries-O&M | 236,376 | 237,656 | (1,280) | 100.54% |
| 17-5001-01-**-** | Overtime Salaries-O&M | 32,996 | 73,684 | (40,688) | 223.31% (1) |
| 17-5001-02-**-** | Overtime Salaries-O&M | 2,996 | 2,004 | 992 | 66.89% |
| 17-5302-01-**-** | Performance Based Merit Pay | 0 | 6,508 | (6,508) | 0.00% |
| 17-5306-01-**-** | Scheduled Holiday Work | 22,004 | 8,560 | 13,444 | 38.90% |
| 17-5306-02-**-** | Scheduled Holiday Work | 0 | 2,316 | (2,316) | 0.00% |
| 17-5307-01-**-** | Weekend Shift Pay | 0 | 332 | (332) | 0.00% (2) |
| 17-5307-02-**-** | Weekend Shift Pay | 0 | 84 | (84) | 0.00% (2) |
| 17-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 1,080,888 | 1,136,040 | (55,152) | 105.10% (3) |
| 17-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 167,828 | 205,860 | (38,032) | 122.66% (3) |
| 17-5700-01-**-** | Standby Pay | 51,500 | 29,416 | 22,084 | 57.12% |
| | Total Payroll Costs | 3,116,964 | 3,020,324 | 96,640 | 96.90% |
| Other Expenses | | | | | |
| 17-5002-01-**-** | Electricity | 675,504 | 401,880 | 273,624 | 59.49% |
| 17-5003-01-**-** | Natural Gas | 134,200 | 86,256 | 47,944 | 64.27% |
| 17-5004-01-**-** | Potable & Reclaimed Water | 32,000 | 25,908 | 6,092 | 80.96% (4) |
| 17-5005-01-**-** | Co-generation Power Credit | (450,004) | (201,608) | (248,396) | 44.80% |
| 17-5006-01-**-** | Chlorine/Sodium Hypochlorite | 400,004 | 342,268 | 57,736 | 85.57% |
| 17-5007-01-**-** | Polymer Products | 387,004 | 331,080 | 55,924 | 85.55% |
| 17-5008-01-**-** | Ferric Chloride | 130,396 | 145,920 | (15,524) | 111.91% (5) |
| 17-5009-01-**-** | Odor Control Chemicals | 63,604 | 49,260 | 14,344 | 77.45% |
| 17-5010-01-**-** | Other Chemicals - Misc. | 4,000 | 0 | 4,000 | 0.00% |
| 17-5011-02-**-** | Laboratory Services | 13,000 | 12,172 | 828 | 93.63% |
| 17-5012-01-**-** | Grit Hauling - 21A | 46,500 | 48,816 | (2,316) | 104.98% (6) |
| 17-5013-01-**-** | Landscaping | 65,000 | 89,872 | (24,872) | 138.26% (7) |
| 17-5014-01-**-** | Engineering - Misc. | 95,000 | 82,280 | 12,720 | 86.61% |
| 17-5015-01-**-** | Management Support Services | 8,000 | 11,928 | (3,928) | 149.10% |
| 17-5015-02-**-** | Management Support Services | 49,000 | 3,004 | 45,996 | 6.13% |
| 17-5017-01-**-** | Legal Fees | 4,000 | 2,436 | 1,564 | 60.90% |
| 17-5019-01-**-** | Contract Services Misc. - 29 | 122,000 | 86,928 | 35,072 | 71.25% |
| 17-5021-01-**-** | Small Vehicle Expense - 31A | 5,700 | 10,492 | (4,792) | 184.07% (8) |
| 17-5022-01-**-** | Miscellaneous Expense | 5,400 | 2,628 | 2,772 | 48.67% |
| 17-5023-01-**-** | Office Supplies - All | 7,200 | 11,836 | (4,636) | 164.39% (9) |
| 17-5024-01-**-** | Petroleum Products | 41,200 | 26,580 | 14,620 | 64.51% |
| 17-5025-01-**-** | Uniforms | 16,504 | 16,064 | 440 | 97.33% |
| 17-5026-01-**-** | Small Vehicle Fuel - 37A | 12,500 | 6,688 | 5,812 | 53.50% |
| 17-5027-01-**-** | Insurance - Property/Liability | 40,004 | 64,480 | (24,476) | 161.18% (10) |
| 17-5027-02-**-** | Insurance - Property/Liability | 5,004 | 0 | 5,004 | 0.00% (10) |
| 17-5028-01-**-** | Small Tools & Supplies | 20,604 | 21,984 | (1,380) | 106.70% |
| 17-5030-01-**-** | Trash Disposal | 904 | 1,424 | (520) | 157.52% (11) |
| 17-5031-02-**-** | Safety Supplies | 36,996 | 44,668 | (7,672) | 120.74% (12) |
| 17-5032-01-**-** | Equipment Rental | 3,004 | 14,908 | (11,904) | 496.27% (13) |
| 17-5033-01-**-** | Recruitment | 0 | 980 | (980) | 0.00% (14) |
| 17-5034-01-**-** | Travel Expense/Tech. Conferences | 9,004 | 2,712 | 6,292 | 30.12% |
| 17-5034-02-**-** | Travel Expense/Tech. Conferences | 3,004 | 1,608 | 1,396 | 53.53% |
| 17-5035-01-**-** | Training Expense | 24,004 | 17,256 | 6,748 | 71.89% |
| 17-5035-02-**-** | Training Expense | 0 | 736 | (736) | 0.00% (15) |
| 17-5036-02-**-** | Laboratory Supplies | 18,504 | 17,676 | 828 | 95.53% |
| 17-5037-01-**-** | Office Equipment | 5,400 | 5,820 | (420) | 107.78% (9) |
| 17-5038-02-**-** | Permits | 40,004 | 17,532 | 22,472 | 43.83% |
| 17-5039-01-**-** | Membership Dues/Fees | 3,004 | 5,572 | (2,568) | 185.49% |
| 17-5039-02-**-** | Membership Dues/Fees | 1,004 | 708 | 296 | 70.52% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % | |
|------------------|---|-----------|-----------|------------------------|----------|------|
| | | | | | Expended | |
| 17-5049-01-**-** | Biosolids Disposal - 21B | 825,000 | 931,660 | (106,660) | 112.93% | (16) |
| 17-5050-01-**-** | Contract Services Generators - 29A | 7,200 | 5,984 | 1,216 | 83.11% | |
| 17-5052-01-**-** | Janitorial Services | 20,004 | 11,420 | 8,584 | 57.09% | (17) |
| 17-5054-01-**-** | Diesel Truck Maint - 31B | 18,504 | 11,556 | 6,948 | 62.45% | |
| 17-5055-01-**-** | Diesel Truck Fuel - 37B | 6,200 | 4,120 | 2,080 | 66.45% | |
| 17-5056-01-**-** | Maintenance Equip. & Facilities (Solids) | 178,400 | 199,612 | (21,212) | 111.89% | (18) |
| 17-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) | 149,100 | 179,756 | (30,656) | 120.56% | |
| 17-5058-01-**-** | Maintenance Equip. & Facilities (Commc | 19,200 | 29,256 | (10,056) | 152.38% | (19) |
| 17-5059-01-**-** | Maintenance Equip. & Facilities (Co-Gen | 89,500 | 57,764 | 31,736 | 64.54% | |
| 17-5060-01-04-22 | Maintenance Equip. & Facilities (AWT) 4 | 30,900 | 29,928 | 972 | 96.85% | |
| 17-5061-01-**-** | Mileage | 2,996 | 1,848 | 1,148 | 61.68% | |
| 17-5061-02-01-22 | Mileage | 0 | 8 | (8) | 0.00% | |
| 17-5068-02-**-** | MNWD Lab Services and Supplies | 23,996 | 22,508 | 1,488 | 93.80% | |
| 17-5077-01-**-** | IT Direct | 0 | 42,028 | (42,028) | 0.00% | (20) |
| 17-5101-01-**-** | Employee Recognition | 0 | 700 | (700) | 0.00% | (14) |
| 17-5105-01-**-** | Co-Generation Power Credit - Offset | 450,004 | 201,616 | 248,388 | 44.80% | (21) |
| 17-5303-02-**-** | Group Insurance Waiver | 0 | 1,788 | (1,788) | 0.00% | (14) |
| 17-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 1,992 | (1,992) | 0.00% | (14) |
| 17-5305-02-**-** | Medicare Tax Payments for Employees | 0 | 84 | (84) | 0.00% | (14) |
| 17-5309-01-**-** | Operating Leases | 3,004 | 0 | 3,004 | 0.00% | |
| 17-5705-01-**-** | Monthly Car Allowance | 10,000 | 10,568 | (568) | 105.68% | (22) |
| 17-5705-02-**-** | Monthly Car Allowance | 0 | 636 | (636) | 0.00% | (22) |
| 17-5802-01-03-22 | Shipping/Freight | 0 | 64 | (64) | 0.00% | (14) |
| 17-5802-02-**-** | Shipping/Freight | 0 | 60 | (60) | 0.00% | (14) |
| 17-6500-01-**-** | IT Allocations in to PC's & Depts. | 189,288 | 191,604 | (2,316) | 101.22% | |
| 17-6500-02-**-** | IT Allocations in to PC's & Depts. | 20,564 | 23,568 | (3,004) | 114.61% | |
| | Rounding | 0 | 97 | (97) | 0.00% | |
| | Total Other Expenses | 4,122,016 | 3,770,977 | 351,039 | 91.48% | |
| | Total Expenses | 7,238,980 | 6,791,301 | 447,679 | 93.81% | |

- (1) New equipment startup and troubleshooting Issues, January/February Storms, odor complaint investigations, and staff filling in for vacancies.
- (2) Budgeted as regular salaries in past budgets.
- (3) Actual fringe rate was 86.6%
- (4) Expenses to be reclassified to Department 01 in the Use Audit.
- (5) The Ferric Chloride was increased at RTP to reduce fugitive odors from the treatment processes adjacent to the walking trail.
- (6) The January and February storms caused equipment damage and the equipment failures increased the weight of the grit hauled offsite.
- (7) Carryover work from FY15-16 as presented to at the June 2016 Board meeting.
- (8) Increasing expenses due to average fleet age of 11 years.
- (9) Office supplies and equipment due to new office set ups.
- (10) Increased Premiums
- (11) Elevated trash disposals due to cleaning areas for planned CIP projects.
- (12) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.
- (13) Elevated expenses due for rental equipment (standby generators) for the major January and February storms.
- (14) Expense Line Item Not Budgeted
- (15) Not used
- (16) RTP Biosolids expenses were elevated due to increases in Biosolids delivered to RTP. Biosolids increased primarily during the summer months and may reflect increases in tourism within SCWD, CLB and MNWD.
- (17) Budgeted high level of expense for newly anticipated contract with more thorough cleaning requirements. Proposals received were too high and rejected by the Board in May. The contract services scope is being revised for reissuance.
- (18) Solids expenses were elevated due to several large repairs to the buried pipes at RTP.
- (19) RTP had several gate operator repair projects.
- (20) IT Direct higher due to SCADA software and hardware upgrades.
Software upgrades were required to maintain reporting capabilities from SCADA and the SCADA hardware upgrades
- (21) Engine project at RTP was delayed. This caused a decrease in power production.
- (22) Expense under budgeted for PC. Overall expense is under budget.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2017

| | | Budget | Actual | (Over)/Under Budget | % Expended | |
|--|--------------------------------|--------|--------|------------------------|---------------|-----|
| 21 - Effluent Transmission Main | | | | | | |
| Salary and Fringe | | | | | | |
| 21-5014-02-**-** | Engineering - Misc. | 85,000 | 796 | 84,204 | 0.94% | (1) |
| 21-5019-02-**-** | Contract Services Misc. - 29 | 0 | 524 | (524) | 0.00% | (2) |
| 21-5027-02-**-** | Insurance - Property/Liability | 564 | 12 | 552 | 2.13% | |
| 21-5028-01-**-** | Small Tools & Supplies | 920 | 0 | 920 | 0.00% | |
| | Rounding | 0 | 4 | (4) | 0.00% | |
| | Total Payroll Costs | 86,484 | 1,336 | 85,148 | 1.54% | |
| | Total Expenses | 86,484 | 1,336 | 85,148 | 1.54% | |

- (1) Expenses to be reclassified to Department 01 in the Use Audit.
(2) There were a number of projects along the pipe alignment that required utility location services.

| | | | | | | |
|---------------------------------------|-------------------------------------|---------|---------|---------|---------|-----|
| 24 - Aliso Creek Ocean Outfall | | | | | | |
| Salary and Fringe | | | | | | |
| 24-5000-01-**-** | Regular Salaries-O&M | 6,456 | 660 | 5,796 | 10.22% | |
| 24-5000-02-**-** | Regular Salaries-O&M | 102,016 | 93,844 | 8,172 | 91.99% | |
| 24-5001-02-**-** | Overtime Salaries-O&M | 3,000 | 548 | 2,452 | 18.27% | |
| 24-5306-02-**-** | Scheduled Holiday Work | 1,996 | 48 | 1,948 | 2.40% | |
| 24-5307-02-12-21 | Weekend Shift Pay | 0 | 4 | (4) | 0.00% | (1) |
| 24-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 4,580 | 576 | 4,004 | 12.58% | (2) |
| 24-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 72,436 | 81,304 | (8,868) | 112.24% | (2) |
| | Total Payroll Costs | 190,484 | 176,984 | 13,500 | 92.91% | |

| | | | | | | |
|------------------|---|---------|---------|----------|----------|-----|
| Other Expenses | | | | | | |
| 24-5002-01-**-** | Electricity | 700 | 0 | 700 | 0.00% | |
| 24-5002-02-**-** | Electricity | 700 | 0 | 700 | 0.00% | |
| 24-5014-01-**-** | Engineering - Misc. | 0 | 3,392 | (3,392) | 0.00% | (3) |
| 24-5015-02-**-** | Management Support Services | 20,004 | 17,916 | 2,088 | 89.56% | |
| 24-5017-01-**-** | Legal Fees | 0 | 464 | (464) | 0.00% | |
| 24-5027-01-**-** | Insurance - Property/Liability | 0 | 4,424 | (4,424) | 0.00% | (4) |
| 24-5027-02-**-** | Insurance - Property/Liability | 1,396 | 0 | 1,396 | 0.00% | (4) |
| 24-5031-02-**-** | Safety Supplies | 500 | 5,716 | (5,216) | 1143.20% | (5) |
| 24-5034-02-**-** | Travel Expense/Tech. Conferences | 2,004 | 0 | 2,004 | 0.00% | |
| 24-5036-02-**-** | Laboratory Supplies | 16,004 | 14,980 | 1,024 | 93.60% | |
| 24-5038-02-**-** | Permits | 138,000 | 143,448 | (5,448) | 103.95% | |
| 24-5044-02-**-** | Offshore Monitoring - 20A | 20,004 | 17,036 | 2,968 | 85.16% | |
| 24-5046-02-**-** | Effluent Chemistry - 20C | 26,004 | 24,744 | 1,260 | 95.15% | |
| 24-5058-01-**-** | Maintenance Equip. & Facilities (Commc) | 0 | 4,012 | (4,012) | 0.00% | |
| 24-5069-02-**-** | Outfall Inspection/Port Cleaning | 15,000 | 35,384 | (20,384) | 235.89% | (6) |
| 24-5802-01-**-** | Shipping/Freight | 0 | 24 | (24) | 0.00% | (7) |
| 24-6500-01-**-** | IT Allocations in to PC's & Depts. | 0 | 2,828 | (2,828) | 0.00% | |
| 24-6500-02-**-** | IT Allocations in to PC's & Depts. | 18,776 | 14,272 | 4,504 | 76.01% | |
| | Rounding | 0 | 14 | (14) | 0.00% | |
| | Total Other Expenses | 259,092 | 288,654 | (29,562) | 111.40% | |
| | Total Expenses | 449,576 | 465,638 | (16,062) | 103.57% | |

- (1) Budgeted as regular salaries in past budgets.
(2) Actual fringe rate was 86.6%
(3) Carryover kelp survey expenses from FY15-16.
(4) Increased Premiums
(5) Safety supplies are restocked for the FY and limited expenses are planned for the remainder of the FY.
(6) Item of work overbudget due to increase in scope, presented at 12.08.2016 Board of Directors' meeting.
(7) Expense Line Item Not Budgeted

| | | | |
|-------------------|-------------------|----------------|--------------|
| 17,464,324 | 16,587,654 | 876,670 | 95.0% |
|-------------------|-------------------|----------------|--------------|

Report name: Budget vs Actual - By PC - WW/MA masked
Include these Department(s): 02, 01
Include all Wastewater(s)
Include all Member Agency(s)

**South Orange County Wastewater Authority
Budget vs. Actual Comparison - Engineering
For the Period Ended June 30, 2017**

| | FY 2016-17 Budget | Actual | (Over)/Under Budget | % Expended | |
|--------------------------|-------------------------------------|----------------|------------------------|-----------------|---------------|
| Salary and Fringe | | | | | |
| **-5000-**-**-00 | Regular Salaries-O&M | 103,896 | 146,150 | (42,254) | 140.7% |
| 01-5302-03-00-00 | Performance Based Merit Pay | 0 | 7,363 | (7,363) | 0.0% |
| 01-5401-03-00-00 | Fringe Benefits IN to PC's & Depts. | 73,764 | 126,599 | (52,835) | 171.6% |
| | Total Payroll Costs | 177,660 | 280,112 | (102,452) | 157.7% |
| Other Expenses | | | | | |
| 01-5014-03-00-00 | Engineering - Misc. | 1,200 | 0 | 1,200 | 0.0% |
| 01-5015-03-00-00 | Management Support Services | 39,996 | 0 | 39,996 | 0.0% |
| 01-5017-03-00-00 | Legal Fees | 0 | 830 | (830) | 0.0% |
| 01-5022-03-00-00 | Miscellaneous Expense | 11,400 | 0 | 11,400 | 0.0% |
| 01-5033-03-00-00 | Recruitment | 0 | 265 | (265) | 0.0% |
| 01-5034-03-00-00 | Travel Expense/Tech. Conferences | 0 | 1,893 | (1,893) | 0.0% |
| 01-5035-03-00-00 | Training Expense | 0 | 2,131 | (2,131) | 0.0% |
| 01-5039-03-00-00 | Membership Dues/Fees | 1,200 | 779 | 421 | 64.9% |
| 01-5061-03-00-00 | Mileage | 396 | 147 | 249 | 37.0% |
| 01-5309-03-00-00 | Operating Leases | 15,000 | 18,637 | (3,637) | 124.2% |
| 01-5705-03-00-00 | Monthly Car Allowance | 5,820 | 4,281 | 1,539 | 73.6% |
| 01-5802-03-00-00 | Shipping/Freight | 300 | 79 | 221 | 26.5% |
| 01-6500-03-00-00 | IT Allocations in to PC's & Depts. | 44,028 | 34,864 | 9,164 | 79.2% |
| | Total Other Expenses | 119,340 | 63,906 | 55,434 | 53.5% |
| | Total Expenses | 297,000 | 344,018 | (47,018) | 115.8% |

Report name: Budget vs Actual - PC 01 - Engineering - 2016-17

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
For the Period Ended June 30, 2017

| | | FY 2016-17 Budget | Actual | (Over)/Under Budget | % Expended |
|--------------------------|---|----------------------|-----------|------------------------|---------------|
| Salary and Fringe | | | | | |
| 01-5401-04-00-00 | Fringe Benefits IN to PC's & Depts. | 484,884 | 602,675 | (117,791) | 124.3% |
| 01-6000-04-00-00 | Regular Salaries-Admin or IT | 682,932 | 695,744 | (12,812) | 101.9% |
| 01-6001-04-00-00 | Overtime Salaries-Admin or IT | 19,308 | 27,883 | (8,575) | 144.4% |
| 01-6314-04-00-00 | Performance Based Merit Pay Admin or IT | 0 | 1,914 | (1,914) | 0.0% |
| | Total Payroll Costs | 1,187,124 | 1,328,215 | (141,091) | 111.9% |
| Other Expenses | | | | | |
| 01-5018-04-00-00 | Public Notices/ Public Relations | 15,996 | 0 | 15,996 | 0.0% |
| 01-5019-04-00-00 | Contract Services Misc. - 29 | 0 | 0 | 0 | 0.0% |
| 01-5020-04-00-00 | Postage Expense | 0 | 0 | 0 | 0.0% |
| 01-5023-04-00-00 | Office Supplies - All | 0 | 0 | 0 | 0.0% |
| 01-5027-04-00-00 | Insurance - Property/Liability | 39,720 | 28 | 39,692 | 0.1% |
| 01-5033-04-00-00 | Recruitment | 0 | 0 | 0 | 0.0% |
| 01-5037-04-00-00 | Office Equipment | 0 | 0 | 0 | 0.0% |
| 01-5039-04-00-00 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 01-5061-04-00-00 | Mileage | 0 | 0 | 0 | 0.0% |
| 01-6101-04-00-00 | Recruitment & Employee Relations | 12,000 | 35,803 | (23,803) | 298.4% |
| 01-6102-04-00-00 | Subscriptions | 996 | 1,334 | (338) | 134.0% |
| 01-6200-04-00-00 | Management Support Services | 215,004 | 162,229 | 52,775 | 75.5% |
| 01-6201-04-00-00 | Audit | 35,004 | 34,700 | 304 | 99.1% |
| 01-6202-04-00-00 | Legal | 62,004 | 188,130 | (126,126) | 303.4% |
| 01-6203-04-00-00 | Outside Services | 2,004 | 5,110 | (3,106) | 255.0% |
| 01-6204-04-00-00 | Postage | 1,896 | 2,521 | (625) | 133.0% |
| 01-6220-04-00-00 | Board of Directors - Fees | 0 | 0 | 0 | 0.0% |
| 01-6223-04-00-00 | Office Supplies - Admin | 9,996 | 4,041 | 5,955 | 40.4% |
| 01-6224-04-00-00 | Office Equipment Admin or IT | 8,004 | 9,132 | (1,128) | 114.1% |
| 01-6234-04-00-00 | Memberships & Trainings | 96,108 | 75,467 | 20,641 | 78.5% |
| 01-6239-04-00-00 | Travel & Conference | 23,904 | 23,794 | 110 | 99.5% |
| 01-6240-04-00-00 | Scholarship Sponsorship | 996 | 1,000 | (4) | 100.4% |
| 01-6310-04-00-00 | Miscellaneous | 15,000 | 20,831 | (5,831) | 138.9% |
| 01-6311-04-00-00 | Mileage | 708 | 941 | (233) | 132.9% |
| 01-6317-04-00-00 | Contract Services Misc | 1,800 | 8,070 | (6,270) | 448.3% |
| 01-6500-04-00-00 | IT Allocations in to PC's & Depts. | 122,172 | 80,812 | 41,360 | 66.1% |
| 01-6601-04-00-00 | Shipping/Freight | 0 | 2,647 | (2,647) | 0.0% |
| 01-6705-04-00-00 | Monthly Car Allowance | 12,000 | 12,231 | (231) | 101.9% |
| | Total Other Expenses | 675,312 | 668,821 | 6,491 | 99.0% |
| | Total Expenses | 1,862,436 | 1,997,037 | (134,601) | 107.2% |

Report name: Budget vs Actual - PC 01 - Admin - 2016-17

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended June 30, 2017

| | | FY 2016-17 Budget | Actual | (Over)/Under Budget | % Expended |
|---|---|----------------------|-----------|------------------------|---------------|
| Salary & Fringe | | | | | |
| 01-5401-05-00-00 | Fringe Benefits IN to PC's & Depts. | 52,572 | 38,501 | 14,071 | 73.2% |
| 01-6000-05-00-00 | Regular Salaries-Admin or IT | 74,052 | 44,447 | 29,605 | 60.0% |
| 01-6001-05-00-00 | Overtime Salaries-Admin or IT | 2,004 | 2,122 | (118) | 105.9% |
| | Total Salary & Fringe | 128,628 | 85,071 | 43,557 | 66.1% |
| Other Expenses | | | | | |
| 01-5028-05-00-00 | Small Tools & Supplies | 504 | 0 | 504 | 0.0% |
| 01-5031-05-00-00 | Safety Supplies | 0 | 195 | (195) | 0.0% |
| 01-5037-05-00-00 | Office Equipment | 6,000 | 0 | 6,000 | 0.0% |
| 01-5061-05-00-00 | Mileage | 348 | 0 | 348 | 0.0% |
| 01-6101-05-00-00 | Recruitment & Employee Relations, IT DEPT | 0 | 684 | (684) | 0.0% |
| 01-6102-05-00-00 | Subscriptions | 0 | 465 | (465) | 0.0% |
| 01-6200-05-00-00 | Management Support Services | 0 | 55,348 | (55,348) | 0.0% |
| 01-6234-05-00-00 | Memberships & Trainings | 1,848 | 85 | 1,763 | 4.6% |
| 01-6239-05-00-00 | Travel & Conference | 2,496 | 0 | 2,496 | 0.0% |
| 01-6300-05-00-00 | Software Maintenance Agreements | 57,144 | 50,374 | 6,770 | 88.2% |
| 01-6301-05-00-00 | Hardware Maintenance Agreements | 12,912 | 13,230 | (318) | 102.5% |
| 01-6302-05-00-00 | Cloud Subscriptions (Internet) | 9,516 | 0 | 9,516 | 0.0% |
| 01-6303-05-00-00 | Telecommunications | 109,020 | 123,153 | (14,133) | 113.0% |
| 01-6305-05-00-00 | IT Professional Services | 241,500 | 193,545 | 47,955 | 80.1% |
| 01-6306-05-00-00 | Small Hardware Purchases (< \$5k) | 34,896 | 75,827 | (40,931) | 217.3% |
| 01-6307-05-00-00 | Small Software Purchases & Licenses (<\$5k) | 48,540 | 33,674 | 14,866 | 69.4% |
| 01-6308-05-00-00 | IT Memberships | 0 | 521 | (521) | 0.0% |
| 01-6309-05-00-00 | Operating Leases | 44,004 | 44,903 | (899) | 102.0% |
| 01-6310-05-00-00 | Miscellaneous | 996 | 380 | 616 | 38.1% |
| 01-6312-05-00-00 | Computer & Photocopy Supplies | 252 | 3,194 | (2,942) | 1267.4% |
| 01-6601-05-00-00 | Shipping/Freight | 252 | 0 | 252 | 0.0% |
| | Total Other Expenses | 570,228 | 595,576 | (25,348) | 104.4% |
| | Total Expenses before Allocation | 698,856 | 680,646 | 18,210 | 97.4% |
| IT Allocations (Out) to PC's & Depts | | | | | |
| 01-6400-05-00-00 | IT Allocations (OUT) to PC's & Depts. | (698,856) | (680,646) | (18,210) | 97.4% |
| | | (698,856) | (680,646) | (18,210) | 97.4% |
| | | (698,856) | (680,646) | (18,210) | 97.4% |
| | | 0 | 0 | 0 | |

Report name: Budget vs Actual - PC 01 - IT - 2016-17

South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2016-17 - Dollars

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|---------------------|-----------|--------|-------|--------|---------|-----------|-------|--------|--------|-----------|
| Wastewater | | | | | | | | | | |
| Liquids | 578,656 | 0 | 1,096 | 0 | 444,649 | 528,046 | 0 | 0 | 0 | 1,552,447 |
| Solids | 484,299 | 0 | 1,096 | 0 | 0 | 647,604 | 0 | 0 | 0 | 1,132,999 |
| Common Liquids | 118,141 | 0 | 256 | 0 | 140,934 | 74,152 | 0 | 0 | 0 | 333,484 |
| AWT | 0 | 0 | 0 | 0 | 95,997 | 68,051 | 0 | 0 | 0 | 164,048 |
| Var 5% | 0 | 0 | 0 | 521 | 0 | 0 | 0 | 664 | 0 | 1,185 |
| Region 9 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 |
| H2O | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| Total Department 01 | 1,181,096 | 250 | 2,447 | 521 | 681,580 | 1,317,858 | 0 | 664 | 0 | 3,184,417 |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76,494 | 76,494 |
| Liquids | 83,177 | 0 | 0 | 43 | 70,598 | 99,339 | 0 | 0 | 0 | 253,157 |
| Solids | 20,570 | 0 | 0 | 0 | 0 | 26,006 | 0 | 0 | 0 | 46,576 |
| Common Liquids | 37,840 | 123 | 0 | 0 | 31,067 | 37,951 | 0 | 0 | 0 | 106,981 |
| AWT | 0 | 0 | 0 | 0 | 21,182 | 34,011 | 0 | 0 | 0 | 55,193 |
| Var 5% | 0 | 0 | 0 | 99,045 | 0 | 0 | 0 | 93,849 | 0 | 192,894 |
| Region 9 | 0 | 35,188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35,188 |
| Timecard | 8,468 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,468 |
| H2O | 0 | 0 | 0 | 0 | 0 | 40,348 | 0 | 0 | 0 | 40,348 |
| Total Department 02 | 150,955 | 35,311 | 0 | 99,088 | 122,847 | 237,655 | 0 | 93,849 | 76,494 | 815,299 |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76,494 | 76,494 |
| Liquids | 661,833 | 0 | 1,096 | 43 | 515,247 | 627,385 | 0 | 0 | 0 | 1,805,604 |
| Solids | 504,868 | 0 | 1,096 | 0 | 0 | 673,610 | 0 | 0 | 0 | 1,179,575 |
| Common Liquids | 155,981 | 123 | 256 | 0 | 172,001 | 112,103 | 0 | 0 | 0 | 440,465 |
| AWT | 0 | 0 | 0 | 0 | 117,179 | 102,062 | 0 | 0 | 0 | 219,241 |
| Var 5% | 0 | 0 | 0 | 99,566 | 0 | 0 | 0 | 94,513 | 0 | 194,079 |
| Timecard | 8,468 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,468 |
| Region 9 | 0 | 35,438 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35,438 |
| H2O | 0 | 0 | 0 | 0 | 0 | 40,353 | 0 | 0 | 0 | 40,353 |
| Total Direct Labor | 1,331,150 | 35,562 | 2,447 | 99,609 | 804,427 | 1,555,513 | 0 | 94,513 | 76,494 | 3,999,716 |

**South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2016-17- Percentages**

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|---------------|---------------|
| Wastewater | | | | | | | | | | |
| Liquids | 49.0% | 0.0% | 44.8% | 0.0% | 65.2% | 40.1% | | 0.0% | | 48.8% |
| Solids | 41.0% | 0.0% | 44.8% | 0.0% | 0.0% | 49.1% | | 0.0% | | 35.6% |
| Common Liquids | 10.0% | 0.0% | 10.5% | 0.0% | 20.7% | 5.6% | | 0.0% | | 10.5% |
| AWT | 0.0% | 0.0% | 0.0% | 0.0% | 14.1% | 5.2% | | 0.0% | | 5.2% |
| Var 5% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | | 100.0% | | 0.0% |
| Region 9 | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | | 0.0% |
| H20 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | | 0.0% |
| Total Department 01 | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | 100.0% | 0.0% | 100.0% |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 100.0% | 9.4% |
| Liquids | 55.4% | 0.0% | 0.0% | 0.0% | 57.5% | 41.8% | | 0.0% | 0.0% | 31.1% |
| Solids | 13.7% | 0.0% | 0.0% | 0.0% | 0.0% | 10.9% | | 0.0% | 0.0% | 5.7% |
| Common Liquids | 25.2% | 0.3% | 0.0% | 0.0% | 25.3% | 16.0% | | 0.0% | 0.0% | 13.1% |
| AWT | 0.0% | 0.0% | 0.0% | 0.0% | 17.2% | 14.3% | | 0.0% | 0.0% | 6.8% |
| Var 5% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | | 100.0% | 0.0% | 23.7% |
| Region 9 | 0.0% | 99.7% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 4.3% |
| Timecard | 5.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 1.0% |
| H20 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 17.0% | | 0.0% | 0.0% | 4.9% |
| Total Department 02 | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 100.0% | 1.9% |
| Liquids | 49.7% | 0.0% | 44.8% | 0.0% | 64.1% | 40.3% | | 0.0% | 0.0% | 45.1% |
| Solids | 37.9% | 0.0% | 44.8% | 0.0% | 0.0% | 43.3% | | 0.0% | 0.0% | 29.5% |
| Common Liquids | 11.7% | 0.3% | 10.5% | 0.0% | 21.4% | 7.2% | | 0.0% | 0.0% | 11.0% |
| AWT | 0.0% | 0.0% | 0.0% | 0.0% | 14.6% | 6.6% | | 0.0% | 0.0% | 5.5% |
| Var 5% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | | 100.0% | 0.0% | 4.9% |
| Timecard | 0.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.2% |
| Region 9 | 0.0% | 99.7% | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.9% |
| H20 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.6% | | 0.0% | 0.0% | 1.0% |
| Total Direct Labor | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 100.0% |

**South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2016-17 June 30th - Overtime Dollars**

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|---------------------|--------|-------|-------|-------|--------|--------|-------|-------|-------|---------|
| Wastewater | | | | | | | | | | |
| No Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 569 |
| Liquids | 25,677 | 0 | 0 | 0 | 16,300 | 33,948 | 0 | 0 | 0 | 75,924 |
| Solids | 18,171 | 0 | 0 | 0 | 0 | 32,148 | 0 | 0 | 0 | 50,319 |
| Common | 2,543 | 0 | 0 | 0 | 2,292 | 3,302 | 0 | 0 | 0 | 8,137 |
| AWT | 0 | 0 | 0 | 0 | 4,267 | 4,290 | 0 | 0 | 0 | 8,558 |
| Total Department 01 | 46,391 | 0 | 0 | 0 | 22,860 | 73,688 | 0 | 0 | 0 | 143,508 |
| Wastewater | | | | | | | | | | |
| Liquids | 595 | 0 | 0 | 0 | 514 | 679 | 0 | 0 | 0 | 1,788 |
| Solids | 0 | 0 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 81 |
| Common Liquids | 0 | 0 | 0 | 0 | 0 | 380 | 0 | 0 | 0 | 380 |
| AWT | 0 | 0 | 0 | 0 | 272 | 488 | 0 | 0 | 0 | 761 |
| Var 5% | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 557 | 0 | 614 |
| Region 9 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 247 |
| H2O | 0 | 0 | 0 | 0 | 0 | 381 | 0 | 0 | 0 | 381 |
| Total Department 02 | 595 | 247 | 0 | 57 | 786 | 2,009 | 0 | 557 | 0 | 4,252 |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0 | 0 | 0 | 0 | 0 | 569 | 0 | 0 | 0 | 569 |
| Liquids | 26,271 | 0 | 0 | 0 | 16,814 | 34,365 | 0 | 0 | 0 | 77,450 |
| Solids | 18,171 | 0 | 0 | 0 | 0 | 31,981 | 0 | 0 | 0 | 50,152 |
| Common Liquids | 2,543 | 0 | 0 | 0 | 2,292 | 3,656 | 0 | 0 | 0 | 8,492 |
| AWT | 0 | 0 | 0 | 0 | 4,540 | 4,746 | 0 | 0 | 0 | 9,285 |
| Var 5% | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 557 | 0 | 614 |
| Region 9 | 0 | 247 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 247 |
| H2O | 0 | 0 | 0 | 0 | 0 | 381 | 0 | 0 | 0 | 381 |
| Total Direct Labor | 46,986 | 247 | 0 | 57 | 23,646 | 75,698 | 0 | 557 | 0 | 147,190 |

**South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2016-17 June 30th - Overtime Percentages**

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|---------------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| Wastewater | | | | | | | | | | |
| No Wastewater | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | 0.4% |
| Liquids | 55.3% | | | 71.3% | 46.1% | | | | | 52.9% |
| Solids | 39.2% | | | 0.0% | 43.6% | | | | | 35.1% |
| Common | 5.5% | | | 10.0% | 4.5% | | | | | 5.7% |
| AWT | 0.0% | | | 18.7% | 5.8% | | | | | 6.0% |
| Total Department 01 | 100.0% | | | 100.0% | 100.0% | | | | | 100.0% |
| Wastewater | | | | | | | | | | |
| Liquids | 100.0% | | 0.0% | 65.4% | 33.8% | 0.0% | | 0.0% | | 42.1% |
| Solids | 0.0% | | 0.0% | 0.0% | 4.0% | 0.0% | | 0.0% | | 1.9% |
| Common Liquids | 0.0% | | 0.0% | 0.0% | 18.9% | 0.0% | | 0.0% | | 8.9% |
| AWT | 0.0% | | 0.0% | 34.6% | 24.3% | 0.0% | | 0.0% | | 17.9% |
| Var 5% | 0.0% | | 0.0% | 0.0% | 0.0% | 100.0% | | 100.0% | | 14.4% |
| Region 9 | 0.0% | | 100.0% | 0.0% | 0.0% | 0.0% | | 0.0% | | 5.8% |
| H2O | 0.0% | | 0.0% | 0.0% | 19.0% | 0.0% | | 0.0% | | 9.0% |
| Total Department 02 | 100.0% | 0.0% | 100.0% | 100.0% | 100.0% | 0.0% | 0.0% | 100.0% | 0.0% | 100.0% |
| Wastewater | | | | | | | | | | |
| No Wastewater | 0.0% | 0.0% | | 0.0% | 0.8% | | | 0.0% | | 0.4% |
| Liquids | 55.9% | 0.0% | | 71.1% | 45.4% | | | 0.0% | | 52.6% |
| Solids | 38.7% | 0.0% | | 0.0% | 42.2% | | | 0.0% | | 34.1% |
| Common Liquids | 5.4% | 0.0% | | 9.7% | 4.8% | | | 0.0% | | 5.8% |
| AWT | 0.0% | 0.0% | | 19.2% | 6.3% | | | 0.0% | | 6.3% |
| Var 5% | 0.0% | 0.0% | | 100.0% | 0.0% | | | 100.0% | | 0.4% |
| Region 9 | 0.0% | 100.0% | | 0.0% | 0.0% | | | 0.0% | | 0.2% |
| H2O | 0.0% | 0.0% | | 0.0% | 0.5% | | | 0.0% | | 0.3% |
| Total Direct Labor | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 0.0% | 100.0% | 0.0% | 100.0% |

**South Orange County Wastewater Authority
FY 2016-17 Fringe Benefits Pool**

| | FY 2015-16 Actual | FY 2016-17 Actual | FY 2017-18 Budget |
|---|----------------------|----------------------|----------------------|
| 457 Plan - Employer Contribution | 13,821 | 83,925 | 85,000 |
| Accrued Administrative Leave | 34,879 | 30,478 | 21,622 |
| Accrued Holiday | 221,783 | 220,371 | 247,435 |
| Accrued Personal Leave | 74,238 | 76,638 | 84,288 |
| Accrued Sick Pay | 242,262 | 262,987 | 278,890 |
| Accrued Vacation | 372,526 | 416,343 | 409,536 |
| Bereavement Pay | 1,345 | 8,088 | 1,398 |
| Disability Insurance - Private | 51,728 | 56,122 | 59,307 |
| Group Life Insurance > \$50,000 (taxable) | 7,233 | 0 | 0 |
| Group Medical Insurance | 941,108 | 1,017,679 | 967,541 |
| Medicare Tax - Employer | 94,167 | 94,550 | 84,963 |
| Pension Benefit in Excess of Cap | 2,824 | 2,199 | 2,937 |
| Retiree Health PARS Investment | 500,000 | 504,000 | 250,000 |
| Retiree Health Benefits | 281,389 | 384,936 | 308,402 |
| Retirement - PERS Normal Costs | 517,823 | 500,175 | 609,905 |
| Retirement - PERS Unfunded Liability | 429,804 | 497,705 | 595,685 |
| Unemployment Ins./Reimbursement | 1,378 | 1,234 | 1,433 |
| Workers Compensation Ins. | 76,883 | 212,990 | 223,717 |
| Other Misc. | | | |
| Total Fringe Benefits Pool | 3,865,192 | 4,370,418 | 4,232,059 |

| Pay for Time Worked Labor Base | |
|---|------------------|
| O&M | 3,184,417 |
| Environmental | 815,299 |
| Engineering | 305,422 (a) |
| Admin | 695,744 |
| IT | 44,447 |
| Total Pay for Time Worked Labor Base | 4,976,917 |
| Fringe Rate | 78% |
| | 86.6% |

| | |
|-----------------------|----------------|
| (a) Engineering Labor | |
| Salaries | 146,150 |
| CIP | 159,272 |
| | 305,422 |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
J.B. LATHAM TREATMENT PLANT MONTHLY FLOW & SOLIDS SUMMARY (1)
 July 1, 2016 to June 30, 2017

PC 2

FLOW SUMMARY (MGD)

| Member Agency | 2016/17 Budgeted Flow | 2016/17 Budgeted Percent | Total Avg. Flow To Date | Total Percent To Date |
|----------------------|------------------------------|---------------------------------|--------------------------------|------------------------------|
| CSJC | 3.190 | 38.02% | 2.121 | 31.96% |
| MNWD | 1.400 | 16.69% | 1.400 | 21.10% |
| SCWD | 2.000 | 23.84% | 1.701 | 25.63% |
| SMWD | <u>1.800</u> | <u>21.45%</u> | <u>1.414</u> | <u>21.31%</u> |
| | <u>8.390</u> | <u>100.00%</u> | <u>6.636</u> | <u>100.00%</u> |

SOLIDS LOADING SUMMARY (Pounds)

| Member Agency | 2016/17 Budgeted Loadings | 2016/17 Budgeted Percent | Total Avg. Loadings To Date | Total Percent To Date |
|----------------------|----------------------------------|---------------------------------|------------------------------------|------------------------------|
| CSJC | 8,620 | 33.38% | 5,767 | 24.54% |
| MNWD | 5,207 | 20.16% | 4,396 | 18.70% |
| SCWD | 5,304 | 20.54% | 5,391 | 22.94% |
| SMWD | <u>6,695</u> | <u>25.92%</u> | <u>7,949</u> | <u>33.82%</u> |
| | <u>25,826</u> | <u>100.00%</u> | <u>23,503</u> | <u>100.00%</u> |

PC 5 FY 2016/17 Actual Flows

| Member Agency | Outfall Flows MGD | Outfall Flows Percent |
|----------------------|--------------------------|------------------------------|
| CSC | 2.531 | 21.57 |
| CSJC | 2.348 | 20.01 |
| MNWD | 2.013 | 17.16 |
| SCWD | 1.74 | 14.83 |
| SMWD | 3.101 | 26.43 |
| Totals | 11.733 | 100.00 |

2 - The actual flow percentages were revised based on comments from the 12/11/17 Finance Committee.

**PC 12 Recycled Water
FY 2016-17**

| Member Agency | Region 9 Recycled Use FY 2016/17 acft | % RW Use FY 2016/17 % |
|----------------------|--|--------------------------------------|
| CSJC | 529 | 3.40 |
| ETWD | 0 | 0 |
| IRWD | 815 | 5.23 |
| MNWD | 5888 | 37.80 |
| SCWD | 918 | 5.89 |
| SMWD | 6839 | 43.90 |
| TCWD | 588.5 | 3.78 |
| Total | 15577.5 | 100 |

PC 15 FY 2016/17 Actual Flows

| Member Agency | Plant Flows MGD | Plant Flow Percent |
|----------------------|------------------------|---------------------------|
| CLB | 1.770 | 59.00 |
| EBSB | 0.05 | 1.67 |
| SCWD | 1.18 | 39.33 |
| MNWD | 0.000 | 0.0 |
| Total | 3.000 | 100.00 |

**PC 17 Liquids
FY 2016-17**

| Member Agency | Plant Influent MGD | Centrate Flow MGD | Total Liquid Flow MGD | Liquid Flow % |
|----------------------|---------------------------|--------------------------|------------------------------|----------------------|
| CLB | 0 | 0.01475 | 0.0122 | 0.1567 |
| EBS | 0 | 0.0005 | 0.0004 | 0.0051 |
| SCWD | 0 | 0.00979 | 0.0081 | 0.1040 |
| ETWD | 0 | 0.01705 | 0.0141 | 0.1811 |
| MNWD | 7.75 | 0.09448 | 7.75 | 99.5530 |
| | 7.75 | 0.13657 | 7.7848 | 100.0000 |

| Solids | | | |
|---------------|--------------|------------------|---------------|
| | | 2016/17 #/Day | 2016/17 % |
| 2015/16 | | | |
| 4835 | CLB | 5133 | 12.48 |
| 5677 | ETWD | 5755 | 13.99 |
| 143 | EBS | 158 | 0.39 |
| 26343 | MNWD | 26532 | 64.52 |
| 3162 | SCWD | 3546 | 8.62 |
| | Total | 41124 | 100.00 |

PC 24 FY 16/17 Actual Flows

| Member Agency | Outfall Flow MGD | Variable Cost Percent |
|----------------------|-------------------------|------------------------------|
| CLB | 1.89 | 17.72 |
| EBSD | 0.05 | 0.50 |
| ETWD | 2.46 | 23.08 |
| IRWD | 2.48 | 23.22 |
| MNWD | 3.08 | 28.92 |
| SCWD | 0.70 | 6.56 |
| Total | 10.67 | 100.00 |

South Orange County Wastewater Authority
Large Capital Close Outs Detail
Diesel Storage Tank (2016) - Project 3206-000 (Common)

| Date | Transaction | Journal | Vendor Name | Amount |
|--------------------------------------|--------------------|---------------------|--|----------------|
| 12/29/15 | 76-422 | Accounts Payable | Project Partners, In-7165 | 354 |
| 3/15/16 | 204-68 | Adjustments Journal | Lee & RO - 1133-03/01 S/B 3206-000 | 6,966 |
| 3/15/16 | 204-70 | Adjustments Journal | Lee & RO - 1133-03/02 correct project# | 5,159 |
| 3/16/16 | 213-236 | Accounts Payable | Project Partners, In-7295-PO 8567 320 | 4,498 |
| 3/28/16 | 237-350 | Accounts Payable | DHK Engineers, Inc.-4216- | 13,510 |
| 4/1/16 | 272-06 | General Journal | Lee & Ro, Inc.-1133-03/03 | 2,063 |
| 4/12/16 | 243-107 | Accounts Payable | Orange County Fire A-04/12/16-3206-00 | 980 |
| 6/20/16 | 324-035 | Accounts Payable | Project Partners, In-7322-A- | 1,534 |
| 9/30/16 | 606-0817 | Accounts Payable | Gateway Pacific Cont-20- | 51,921 |
| 10/18/16 | 606-0094 | Accounts Payable | Project Partners, In-7396- | 1,770 |
| 10/18/16 | 606-0106 | Accounts Payable | Project Partners, In-7356- | 1,416 |
| 10/18/16 | 606-0150 | Accounts Payable | Project Partners, In-7500- | 236 |
| 11/30/16 | 673-1993 | Accounts Payable | DHK Engineers, Inc.-4266- | 2,680 |
| 1/31/17 | 724-289 | Accounts Payable | Gateway Pacific Cont-24- | 84,412 |
| Total | | | | 177,499 |
| Cash Collected | | | | 227,430 |
| USE AUDIT Refund/(Amount Due) | | | | 49,931 |

| 2R Member Allocations | | |
|--------------------------|-------------|------------------|
| Member Agency | Ownership % | Amount Allocated |
| CSJC | 30.38% | 15,171 |
| MNWD | 22.35% | 11,159 |
| SCWD | 24.42% | 12,195 |
| SMWD | 22.84% | 11,406 |
| Total Commons | | 49,931 |

**South Orange County Wastewater Authority
Capital Assets Placed in Service and /or Project Completed FY 2016-17
USE AUDIT FY 2016-17**

| | | Capital Project Description | Invoiced Inception to date | Spent Inception to date | Difference | Assets Placed in Service | Project Status | Due To/(From) Member Agency |
|----------------|-----|---|----------------------------|-------------------------|----------------|--------------------------|----------------|-----------------------------|
| | | Aeration/Cogeneration Design/Construction (2009) | 7,477,611 | 7,189,179 | 288,432 | | Open | (1) |
| PC2 J B Latham | 644 | Blower No.5 | | | | 454,484 | | |
| Liquids | 645 | Blower No.6 | | | | 454,484 | | |
| 3201-000 | 646 | Blower No.7 | | | | 454,484 | | |
| | 647 | Blower Bldg No.1 Piping and Valves | | | | 207,015 | | |
| | 648 | Blower Bldg No.1 Electrical | | | | 415,270 | | |
| | 649 | Aeration Basin 2 Diffusers | | | | 198,603 | | |
| | 650 | Aeration Basin No.2 Control Valves | | | | 79,202 | | |
| | 651 | Aeration Basin No.2 Air Flow Meters | | | | 70,790 | | |
| | 652 | Aeration Basin No.2 Effluent Gates | | | | 74,879 | | |
| | 653 | Aeration Basin No.3 Diffusers | | | | 198,603 | | |
| | 654 | Aeration Basin No.3 Control Valves | | | | 79,202 | | |
| | 655 | Aeration Basin No.3 Air Flow Meters | | | | 70,790 | | |
| | 656 | Aeration Basin No.3 Effluent Gates | | | | 74,879 | | |
| | 657 | Aeration Basin No.4 Diffusers | | | | 198,603 | | |
| | 658 | Aeration Basin No.4 Control Valves | | | | 79,202 | | |
| | 659 | Aeration Basin No.4 Air Flow Meters | | | | 70,790 | | |
| | 660 | Aeration Basin No.4 Effluent Gates | | | | 74,879 | | |
| | 661 | Aeration Basin No.5 Diffusers | | | | 198,603 | | |
| | 662 | Aeration Basin No.5 Control Valves | | | | 79,202 | | |
| | 663 | Aeration Basin No.5 Air Flow Meters | | | | 70,790 | | |
| | 664 | Aeration Basin No.5 Effluent Gates | | | | 74,879 | | |
| | 665 | Aeration Basin No.6 Diffusers | | | | 198,603 | | |
| | 666 | Aeration Basin No.6 Control Valves | | | | 79,202 | | |
| | 667 | Aeration Basin No.6 Air Flow Meters | | | | 70,790 | | |
| | 668 | Aeration Basin No.6 Effluent Gates | | | | 74,879 | | |
| | 669 | Aeration Basin No.7 Diffusers | | | | 198,603 | | |
| | 670 | Aeration Basin No.7 Control Valves | | | | 79,202 | | |
| | 671 | Aeration Basin No.7 Air Flow Meters | | | | 70,790 | | |
| | 672 | Aeration Basin No.7 Effluent Gates | | | | 74,879 | | |
| | 673 | Aeration Basin Electrical Impr | | | | 190,270 | | |
| | 674 | Aeration PLC | | | | 76,545 | | |
| | 732 | Secondary Sedimentation Basin No.1 Isolation Gates | | | | 27,950 | | |
| | 733 | Secondary Sedimentation Basin No.1 Scum Skimmer | | | | 28,985 | | |
| | 734 | Secondary Sedimentation Basin No.1 Drain Valves | | | | 14,876 | | |
| | 735 | Secondary Sedimentation Basin No.1 Launderers/Weirs | | | | 32,616 | | |
| | 736 | Secondary Sedimentation Basin No.8 Collector Drive | | | | 31,801 | | |
| | 738 | Secondary Sedimentation Basin No.8 Isolation Gates | | | | 27,950 | | |
| | 741 | Secondary Sedimentation Basin No.8 Scum Skimmer | | | | 28,985 | | |
| | 742 | Secondary Sedimentation Basin No.8 Drain Valves | | | | 14,876 | | |

**South Orange County Wastewater Authority
Capital Assets Placed in Service and /or Project Completed FY 2016-17
USE AUDIT FY 2016-17**

| | Capital Project Description | Invoiced Inception to date | Spent Inception to date | Difference | Assets Placed in Service | Project Status | Due To/(From) Member Agency |
|----------|--|----------------------------|-------------------------|----------------|--------------------------|----------------|-----------------------------|
| 743 | Plant No.1 Secondary Sedimentation Basin Electrical Improvem | | | | 82,205 | | |
| 744 | Secondary Sedimentation Basin No.9 Launders/Weirs | | | | 32,616 | | |
| 745 | Secondary Sedimentation Basin No.9 Drain Valves | | | | 14,876 | | |
| 746 | Secondary Sedimentation Basin No.9 Scum Skimmer | | | | 28,985 | | |
| 747 | Secondary Sedimentation Basin No.9 Isolation Gates | | | | 27,950 | | |
| 748 | Secondary Sedimentation Basin No.8 Collector Drive | | | | 31,801 | | |
| 749 | Secondary Sedimentation Basin No.8 Launders/Weirs | | | | 32,616 | | |
| 756 | Secondary Sedimentation Basin No.2 Collector Drive | | | | 31,801 | | |
| 757 | Secondary Sedimentation Basin No.2 Isolation Gates | | | | 27,950 | | |
| 758 | Secondary Sedimentation Basin No.2 Scum Skimmer | | | | 28,985 | | |
| 759 | Secondary Sedimentation Basin No.2 Drain Valves | | | | 14,876 | | |
| 760 | Secondary Sedimentation Basin No.2 Launders/Weirs | | | | 32,616 | | |
| 761 | Secondary Sedimentation Basin No.3 Collector Drive | | | | 31,801 | | |
| 762 | Secondary Sedimentation Basin No.3 Isolation Gates | | | | 27,950 | | |
| 763 | Secondary Sedimentation Basin No.3 Scum Skimmer | | | | 28,985 | | |
| 764 | Secondary Sedimentation Basin No.3 Drain Valves | | | | 14,876 | | |
| 765 | Secondary Sedimentation Basin No.3 Launders/Weirs | | | | 32,616 | | |
| 766 | Secondary Sedimentation Basin No.4 Collector Drive | | | | 31,801 | | |
| 767 | Secondary Sedimentation Basin No.4 Isolation Gates | | | | 27,950 | | |
| 768 | Secondary Sedimentation Basin No.4 Scum Skimmer | | | | 28,985 | | |
| 769 | Secondary Sedimentation Basin No.4 Drain Valves | | | | 14,876 | | |
| 770 | Secondary Sedimentation Basin No.4 Launders/Weirs | | | | 32,616 | | |
| 771 | Secondary Sedimentation Basin No.5 Collector Drive | | | | 31,801 | | |
| 772 | Secondary Sedimentation Basin No.5 Isolation Gates | | | | 27,950 | | |
| 773 | Secondary Sedimentation Basin No.5 Scum Skimmer | | | | 28,985 | | |
| 774 | Secondary Sedimentation Basin No.5 Drain Valves | | | | 14,876 | | |
| 775 | Secondary Sedimentation Basin No.5 Launders/Weirs | | | | 32,616 | | |
| 776 | Secondary Sedimentation Basin No.6 Collector Drive | | | | 31,801 | | |
| 777 | Secondary Sedimentation Basin No.6 Isolation Gates | | | | 27,950 | | |
| 778 | Secondary Sedimentation Basin No.6 Scum Skimmer | | | | 28,985 | | |
| 779 | Secondary Sedimentation Basin No.6 Drain Valves | | | | 14,876 | | |
| 780 | Secondary Sedimentation Basin No.6 Launders/Weirs | | | | 32,616 | | |
| 781 | Secondary Sedimentation Basin No.7 Collector Drive | | | | 31,801 | | |
| 782 | Secondary Sedimentation Basin No.7 Isolation Gates | | | | 27,950 | | |
| 783 | Secondary Sedimentation Basin No.7 Scum Skimmer | | | | 28,985 | | |
| 784 | Secondary Sedimentation Basin No.7 Drain Valves | | | | 14,876 | | |
| 785 | Secondary Sedimentation Basin No.7 Launders/Weirs | | | | 32,616 | | |
| 731 | Secondary Sedimentation Basin No.1 Collector Drive | | | | 31,801 | | |
| | Total Project 3201-000 | 7,477,611 | 7,189,179 | 288,432 | 6,101,653 | | |
| 3203-000 | Effluent Standby Generator ATS Replace (2016) | 176,216 | 18,561 | 157,655 | | Open | (1) |
| 751 | Effluent Pump Station Auto Transfer Switch | 176,216 | 18,561 | 157,655 | 18,561 | | |
| | Total Project 3203-000 | | | | 18,561 | | |

South Orange County Wastewater Authority
Capital Assets Placed in Service and /or Project Completed FY 2016-17
USE AUDIT FY 2016-17

| | Capital Project Description | Invoiced Inception to date | Spent Inception to date | Difference | Assets Placed in Service | Project Status | Due To/(From) Member Agency |
|----------|--|----------------------------|-------------------------|-----------------|--------------------------|----------------|-----------------------------|
| 3204-000 | Facility Improvements Structural Repairs (2015) | 691,175 | 767,175 | (76,000) | 58,778 | | (1) |
| 750 | Effluent Pump Station Structural Improvements | | | | | | |
| 786 | Plant No.1 Secondary Sedimentation Basin Structural Improvem | | | | 324,645 | | |
| 787 | Aeration Basin Structural Improvements | | | | 383,752 | | |
| | Total Project 3204-000 | 691,175 | 767,175 | (76,000) | 767,175 | | (1) |
| | Total Liquids | 8,345,002 | 7,974,915 | 370,087 | 6,887,389 | | |
| Common | Diesel Storage Tank (2016) | 227,430 | 177,499 | 49,931 | | Closed | 49,931 |
| 3206-000 | 752 42614 | 227,430 | 177,499 | 49,931 | 177,499 | | |
| | Total Project 3206-000 | 227,430 | 177,499 | 49,931 | 177,499 | | 49,931 |
| | Total Common | 227,430 | 177,499 | 49,931 | 177,499 | | 49,931 |
| | Total PC2 J B Latham | 8,572,432 | 8,152,413 | 420,019 | 7,064,888 | | 49,931 |
| | Grand Total | 8,572,432 | 8,152,413 | 420,019 | 7,064,888 | - | 49,931 |

(1) Partially completed project with multiple assets placed in service over the Life of the Project.

Agenda Item

Meeting Date: October 4, 2018

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Final 2016-17 Use Audit Reconciliation to Finance Statements Audit

Finance Committee requested at the September 19, 2018, meeting that staff prepare a reconciliation to Finance Statements for June 30, 2017 Use Audit. Item is attached.

Recommended Action

The Board will be requested to receive and file the SOCWA Financial Reconciliation for the Year Ended June 30, 2017.

**South Orange County Wastewater Authority
Financial Statements Reconciliation
for the Year Ended June 30, 2017**

O&M Costs:

Use Audit (page 9):

| | | |
|---|-------------------|------------|
| 1. Operations | 16,587,653 | |
| 2. Residual Engineering (after transfer to Capital) | 344,018 | |
| 3. Admin | 1,997,037 | |
| Total O&M | 18,928,708 | (A) |

**Statement of Revenues, Expenses and Change in Net Position
(page 20):**

Operating Revenue:

| | | |
|--|-------------------|-----|
| 1. SOCWA Operating Revenue | 18,928,708 | (A) |
| 2. Audit Adjustment from FY 2015-16, Use Audit recorded in FY 2016-17 | 311,146 | (B) |
| Sub-total SOCWA before PC 23 | 19,239,854 | |
| 3. PC 23 Operating Revenue | 2,263,977 | (C) |

| | |
|---|-------------------|
| Statement of Revenues, Expenses and Change in Net Position | 21,503,831 |
|---|-------------------|

PC 23, North Coast Interceptor, NCI, capital assets are owned by SOCWA and are included in the annual financial statements. The financial records are maintained by Laguna Beach.

Agenda Item

Finance Committee Meeting

Meeting Date: October 4, 2018

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Unfunded Pension Liability (UAL) Distribution by Member Agencies Results and Recommendation

Summary

Staff met with the Finance Committee on August 10, 2018, August 29, 2018 and again on Sept 19, 2018 to preview information and options for distributing long term liabilities. Nyhart and Bartel Associates Actuaries attended all three (3) meetings and presented their analysis of SOCWA data and options for distribution of unfunded liabilities (PERS, OPEB and Compensated Absences).

Also, at the request of the Finance Committee, Nyhart and Bartel Associates Actuaries presented the Long-Term Liabilities Allocation Methodology Study to Member Agencies Finance Officers on August 15, 2018.

Attendees at the August 15, 2018 meeting were:

- Neely Shahbakhti, El Toro Water District
- Pamela Arends-King, South Coast Water District
- Trevor Agrelius, Moulton Niguel Water District
- Gavin Curran, City of Laguna Beach
- Ken Al-Imam, City of San Juan Capistrano (did not attend the meeting but spoke by phone with Mary Carey to review the information provided).

Discussions included:

1. Formal Presentation on the Methodology, Results and Recommendation
2. Long Term Liabilities by Project Committee and Member Agency (Mary Carey)
3. Liabilities should be distributed by project committee and member agency in the same manner as the benefit was earned
4. Limited information at the employee level available from CalPERS
5. AWMA, SERRA and SOCRA historical records, contracted services rather than full time employees and record retention gaps (Jim Burror)
6. AWMA contracted with CalPERS in 1978
7. SERRA contracted with CalPERS in 1983
8. SOCRA never contracted with CalPERS, the agency was created for joint permitting
9. GASB 75 implementation 6/30/2018; the estimated net liability in presentation is \$6.6 million based on a 6% discount rate, however, the discount rate will be increased to 7% (based on PARS performance reports) and the actual net liability will be approximately \$5.3 million. The total OPEB liability is \$10.1 million and is 48% funded via a PARS trust fund

The Member Agencies Finance Officers Recommendation:

- All of the four Finance Officers in attendance at the August 15th meeting as well as Ken Al-Imam of City of San Juan Capistrano felt the approach was reasonable and the work was well done.
- MNWD requested to continue to review historical records of SOCWA's predecessor's and to conduct some analytics. On August 16, 2018, SOCWA staff provided the following additional information to MNWD:
 1. FY 1990-91 Use Audit that was used for the Long-Term Liabilities Distribution Study
 2. The oldest records of AWMA, SERRA and SOCRA (SOCRA 1999-2000, no labor) that we could find:
 - SERRA Audit FY 1984-85
 - RTP Use Audit FY 1982-1983
 - AWMA Use Audit FY 1984-85
 - AWMA Use Audit FY 1990-91
 - SERRA Reconciliations FY 1990-91
 - SOCRA Use Audit FY 1999-00
- Four Finance Officers of the Member Agencies recommended that the Authority should move forward with the joint SOCWA and Actuaries recommended approach outlined below.

The Finance Committee reviewed the Finance Officers of the Finance Committee recommendation at the September 19, 2018 meeting, and voted by majority to recommend the joint SOCWA staff and Actuaries approach to the SOCWA Board to approve member agency Distribution Percentages, Timing and Future Application as attached.

Recommendation Action

The Board of Directors directs staff to implement the following allocation instructions:

Member Agencies Distribution percentages as shown to be used for allocating the Authority's three Long Term Liabilities for FY's 2015-16, 2016-17 and 2017-18:

- Pension
- Post-Retirement Health Care Benefits
- Compensated Absences

Timing

- Net Pension Liability reported at 6/30/18
 - Based on assets and actuarial liabilities through 6/30/17
 - Allocated on labor costs through 6/30/17
- Net Pension Liability reported at 6/30/17
 - Based on assets and actuarial liabilities through 6/30/17
 - Allocated on labor costs through 6/30/16
- Changes in each agency's allocation will be due to:
 - Change in average proportion
 - Changes in net pension liability

Unfunded Pension Liability (UAL) Distribution by Member Agencies Results

October 4, 2018

Page 3 of 6

- Similar timing for OPEB
- Compensated absences
 - 6/30/17 reporting should use averages through 2018 if available

Future Application

- Recommendation to replicate in future years
 - For 6/30/2019, the 2018 labor costs will be appended to existing data and included in new average
 - Allocation percentages should move gradually and reasonable predictably over time
 - Compensated Absence average would continue to be three years, with the most recent year's labor data replacing the labor data from three year's prior in the average

The joint SOCWA and Actuaries recommended approach:

**Recommended Allocation Percentages for Net Pension and Retiree Health
 SOCWA's Inception to Date Labor Data, FY's 2001-02 to 2016-17
 (16 years)**

| | Avg. Labor \$ 2002-2017 dollars in thousands | Allocation Percent |
|--------------|--|-------------------------------------|
| CLB | \$432 | 10.62% |
| CSC | 27 | 0.67% |
| CSJC | 420 | 10.33% |
| EBSD | 19 | 0.46% |
| ETWD | 145 | 3.57% |
| IRWD | 31 | 0.77% |
| MNWD | 1,842 | 45.27% |
| SCWD | 747 | 18.36% |
| SMWD | 404 | 9.93% |
| TCWD | 0 | 0.01% |
| Total | 4,068 | 100% |

**Recommended Allocation Percentages for Compensated Absences
 Based on 3 years Labor Data, FY's 2014-15 to 2016-17**

| | Compensated Absences dollars in thousands | Allocation Percent |
|--------------|---|---------------------------|
| CLB | \$57 | 11.47% |
| CSC | 3 | 0.58% |
| CSJC | 51 | 10.23% |
| EBSD | 2 | 0.44% |
| ETWD | 17 | 3.48% |
| IRWD | 4 | 0.72% |
| MNWD | 225 | 45.16% |
| SCWD | 92 | 18.46% |
| SMWD | 47 | 9.40% |
| TCWD | 0 | 0.05% |
| Total | 498 | 100% |

Actuaries and SOCWA Joint Recommendation

| Grand Total by Project Committes and Member Agency | | | | | | | | | | | |
|--|----------------------|-----------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------------------|----------------------------|-------------------------------|--------------|-------------------|
| Net Pension, Retiree Health and Compensated Absences Liabilities (\$'s) | | | | | | | | | | | |
| City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total | |
| Net Pension Liability | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | - | - | 1,802,989 | - | - | - | 972,875 | 1,238,878 | 1,407,965 | - | 5,422,708 |
| PC 3A | - | - | - | - | - | - | 1,888,896 | 368,160 | - | - | 2,257,056 |
| PC 5 - San Juan Creek Ocean Outfall | - | 73,774 | 69,407 | - | - | - | 48,941 | 132,438 | 47,648 | - | 372,208 |
| PC 8 - Pretreatment Program | 39,066 | 50,702 | 52,802 | 31,658 | 2,653 | 53,452 | 112,543 | 105,178 | 84,621 | - | 532,675 |
| PC 12 SO- Water Reclamation Permits | - | - | 1,187 | 1,112 | - | 1,542 | 5,187 | 3,854 | 1,572 | 1,551 | 16,006 |
| PC 15 - Coastal Treatment Plant/AWT | 1,477,918 | - | - | - | 65,464 | - | 179,722 | - | 1,566,558 | - | 3,289,663 |
| PC 17 - Joint Regional | 401,497 | - | - | 529,005 | 15,689 | - | 5,142,037 | - | 283,193 | - | 6,371,421 |
| PC 21 Effluent Transmission Main | - | - | - | - | - | - | - | - | - | - | - |
| PC 24 - Ais o Creek Ocean Outfall | 55,943 | - | - | 105,654 | 2,160 | 87,726 | 114,088 | - | 20,795 | - | 386,367 |
| Total Retiree Health Liability by Project Committee and Member Agency | 1,974,424 | 124,476 | 1,926,385 | 667,430 | 85,966 | 142,721 | 8,464,291 | 1,848,508 | 3,412,351 | 1,551 | 18,648,104 |
| Grand Total by Project Committes and Member Agency | | | | | | | | | | | |
| Net Pension, Retiree Health and Compensated Absences Liabilities (% 's) | | | | | | | | | | | |
| City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total | |
| Member Agency Distribution by PC % | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | | | 33.2% | | | | 17.9% | 22.8% | 26.0% | 100.0% | |
| PC 3A | | | | | | | 83.7% | 16.3% | | 100.0% | |
| PC 5 - San Juan Creek Ocean Outfall | | 19.8% | 18.6% | | | | 13.1% | 35.6% | 12.8% | 100.0% | |
| PC 8 - Pretreatment Program | 7.3% | 9.5% | 9.9% | 5.9% | 0.5% | 10.0% | 21.1% | 19.7% | 15.9% | 100.0% | |
| PC 12 SO- Water Reclamation Permits | | | 7.4% | 6.9% | 0.0% | 9.6% | 32.4% | 24.1% | 9.8% | 100.0% | |
| PC 15 - Coastal Treatment Plant/AWT | 44.9% | | | | 2.0% | | 5.5% | | 47.6% | 100.0% | |
| PC 17 - Joint Regional | 6.3% | | | 8.3% | 0.2% | | 80.7% | | 4.4% | 100.0% | |
| PC 21 Effluent Transmission Main | | | | | | | | | | 0.0% | |
| PC 24 - Ais o Creek Ocean Outfall | 14.5% | | | 27.3% | 0.6% | 22.7% | 29.5% | | 5.4% | 100.0% | |
| Retiree Health Liability by Member Agency | 10.6% | 0.7% | 10.3% | 3.6% | 0.5% | 0.8% | 45.4% | 9.9% | 18.3% | 0.0% | 100.0% |

South Orange County Wastewater Authority

Long Term Liabilities Allocation Methodology

Mary Beth Redding

The logo for BarTEL Associates, LLC features the word "BARTEL" in a large, serif font above the word "ASSOCIATES, LLC" in a smaller, sans-serif font. A horizontal line is positioned between the two words, with the "A" in "ASSOCIATES" partially overlapping it.

Will Kane

The logo for nyhart consists of a circular icon on the left containing a stylized red and black geometric design, followed by the word "nyhart" in a lowercase, sans-serif font.

Allocation of Unfunded Liability

- Two primary takeaways from the June 27th Finance Committee meeting:
 - 1) Allocation of unfunded liabilities will be based on Historical Labor Data by Project Committee and Wastewater (Liquids, Solids, Common, AWT, etc.) taken from SOCWA's official Use Audits
 - 2) SOCWA would work to obtain Labor Data stretching further back in history

Allocation of Unfunded Liability

- Based on that discussion, we used the following approach to allocate long-term liabilities
 - Use dollar-averaged labor costs from a start date through the measurement year
 - Three potential approaches for Pension and OPEB:
 - Use 2002 as the start date
 - Use 1990 as the start date including all Project Committees
 - Use 1990 as the start date and exclude PC 17 and PC15 for contract-operated periods
 - For Compensated Absences, use dollar-averaged labor costs over the three years preceding the measurement date
 - 240 Hours maximum carryover balance for vacation
 - 176 Hours carryover balance for sick pay
 - 80 Hours minimum annual accrual for both vacation and sick pay

Allocation of Unfunded Liability

- Allocation Procedures
 - Implicitly assumes all Pension /OPEB/Compensated Absences (PTO earned but not used) are proportional to labor costs
 1. Dollar labor costs for each PC were distributed by wastewater (solids, liquids, common, AWT, etc.) for each year, multiplied by
 2. Member Agency usage percentage for each PC and Wastewater for each year
 - Dollars totaled for each member agency each year
 - Dollars for each member agency summed over averaging period and divided by total dollars for the period to create the allocation percentage

Allocation of Unfunded Liability

- “Contract Years” Excluded
 - PC 15 from FY 1990 through 1999
 - PC 17 in FY 1990 and 1991
 - All costs for these PCs and Years excluded

Allocation of Unfunded Liability

- Allocation and Data Procedures before 1999
 - Data missing for many PCs or Items
 - Missing amounts equal to average of next previous and succeeding year with data
 - Missing amounts in 1990 equal the following year
 - AWMA-CTP was allocated dollar costs, but those dollars were excluded from the totals. So, the remaining dollars were allocated to member agencies.
 - Prior agencies were added into their successor agencies as follows:
 - CBWD, CBSD, DPSD => SCWD
 - LAWD => IRWD

Timing

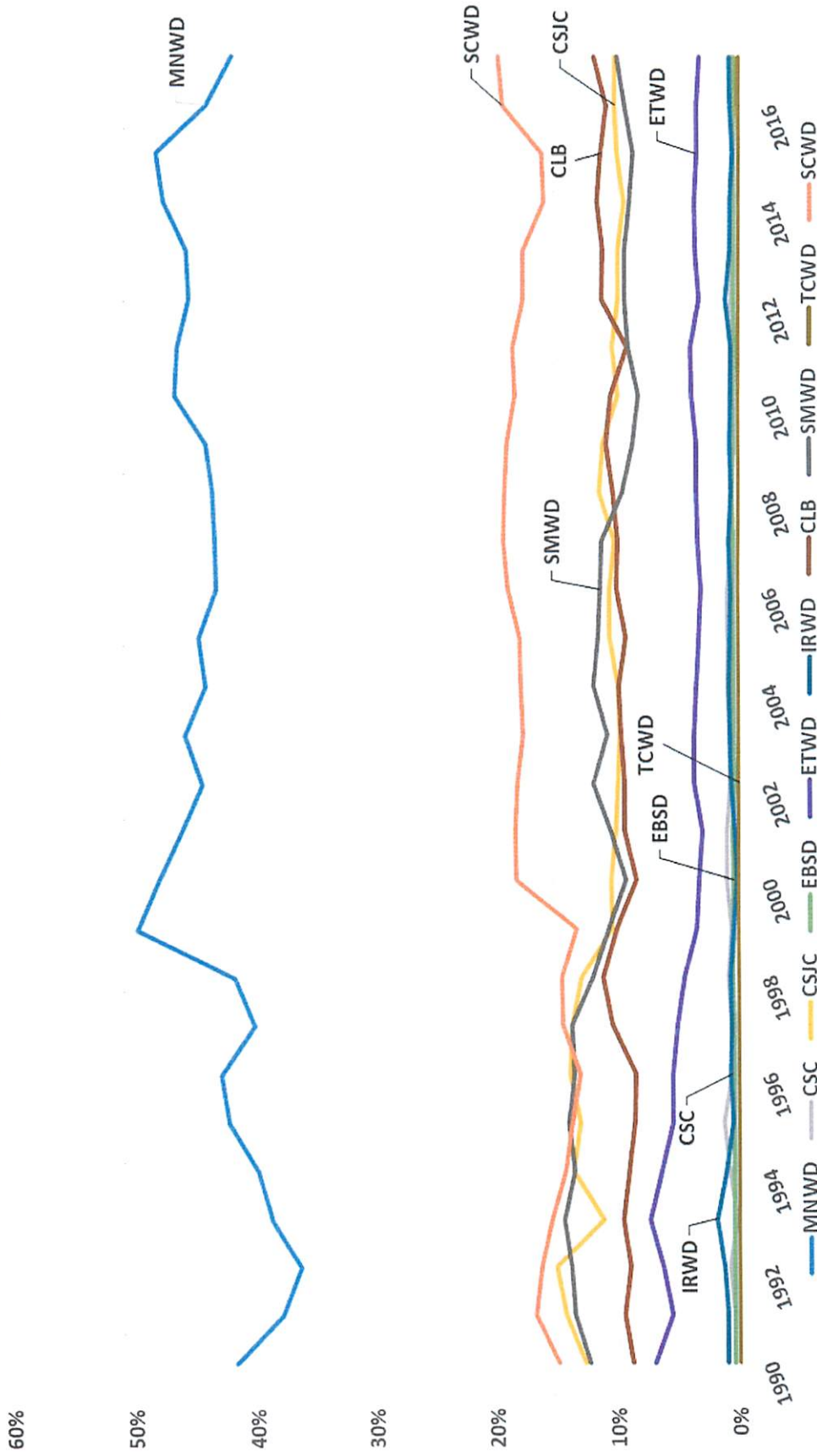
- Net Pension Liability reported at 6/30/18
 - Based on assets and actuarial liabilities through 6/30/17
 - Allocated on labor costs through 6/30/17
- Net Pension Liability reported at 6/30/17
 - Based on assets and actuarial liabilities through 6/30/16
 - Allocated on labor costs through 6/30/16
- Changes in each agency's allocation will be due to:
 - Change in average proportion
 - Changes in net pension liability
- Similar timing for OPEB
- Compensated absences
 - 6/30/18 reporting should use averages through 2018 if available

Future Application

- Recommendation intended to be simple to replicate in future years
- For 6/30/2019, the 2018 labor costs will be appended to existing data and included in new average
- Allocation percentages should move gradually and reasonable predictably over time
- Compensated Absence average would continue to be three years, with the most recent year's labor data replacing the labor data from three year's prior in the average

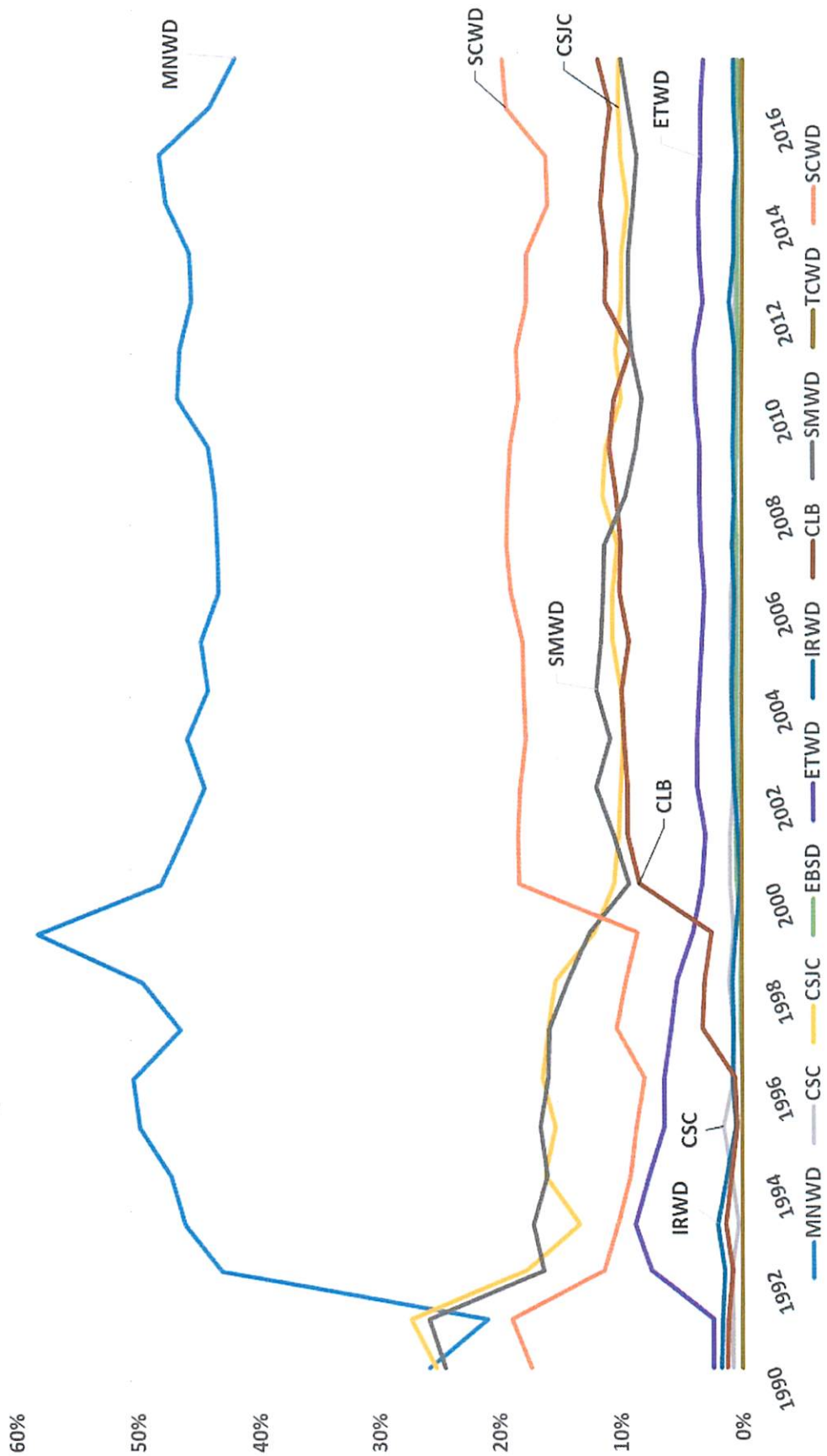
Labor Data

Change in Labor Percentage Over 27 Years, all Data Included



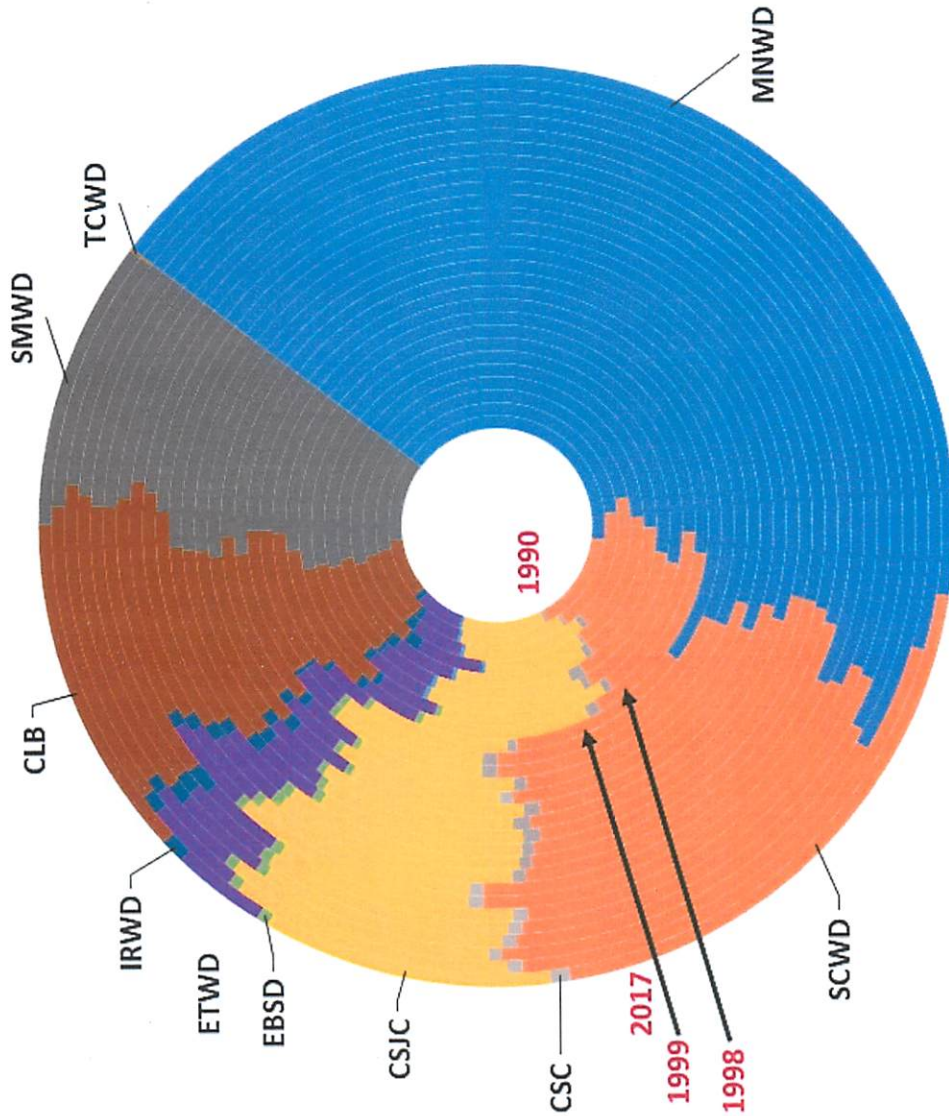
Labor Data

Change in Labor Percentage Over 27 Years, Excludes Contract Years



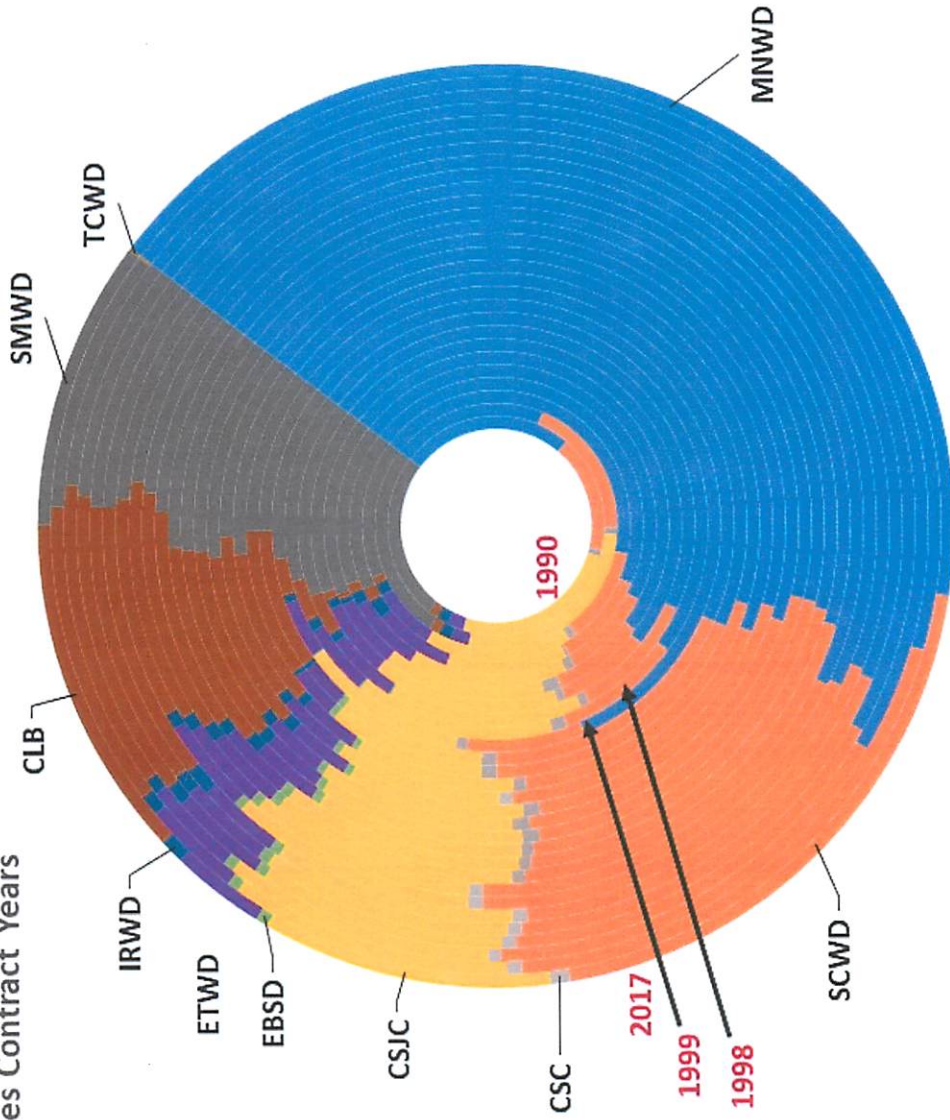
Labor Data

Change in Labor Percentage over 27 Years, All Data Included



Labor Data

Change in Labor Percentage over 27 Years,
Excludes Contract Years



Allocations – For 6/30/2018 Reporting

| | Avg. Labor\$ 2002-2017 | Allocation Percent | Avg. Labor\$ 1990 – 2017 | Allocation Percent | Avg. Labor\$ 1990 – 2017 Excl. Contract | Allocation Percent |
|--------------|---------------------------|-----------------------|-----------------------------|-----------------------|--|-----------------------|
| CLB | \$ 432 | 10.62% | \$ 346 | 10.27% | \$ 275 | 8.62% |
| CSC | 27 | 0.67% | 24 | 0.71% | 24 | 0.75% |
| CSJC | 420 | 10.33% | 373 | 11.06% | 373 | 11.68% |
| EBSD | 19 | 0.46% | 16 | 0.47% | 12 | 0.38% |
| ETWD | 145 | 3.57% | 138 | 4.09% | 130 | 4.08% |
| IRWD | 31 | 0.77% | 27 | 0.79% | 26 | 0.82% |
| MNWD | 1,842 | 45.27% | 1,498 | 44.40% | 1,456 | 45.58% |
| SCWD | 747 | 18.36% | 589 | 17.44% | 534 | 16.70% |
| SMWD | 404 | 9.93% | 364 | 10.78% | 364 | 11.38% |
| TCWD | 0 | 0.01% | 346 | 0.01% | 0 | 0.01% |
| Total | 4,068 | 100% | 3,404 | 100% | 3,217 | 100% |

Net Pension Liability – 6/30/2018 Reporting (\$000's)

| | Avg. Pension\$ 2002-2017 | % | Avg. Pension\$ 1990 – 2017 | % | Avg. Pension\$ 1990 – 2017 Excl. Contract Periods | % |
|-------|-----------------------------|--------|-------------------------------|--------|--|--------|
| CLB | \$ 1,424 | 10.62% | \$ 1,377 | 10.27% | \$ 1,156 | 8.62% |
| CSC | 90 | 0.67% | 95 | 0.71% | 100 | 0.75% |
| CSJC | 1,385 | 10.33% | 1,483 | 11.06% | 1,566 | 11.68% |
| EBSD | 62 | 0.46% | 63 | 0.47% | 51 | 0.38% |
| ETWD | 479 | 3.57% | 548 | 4.09% | 547 | 4.08% |
| IRWD | 103 | 0.77% | 106 | 0.79% | 110 | 0.82% |
| MNWD | 6,071 | 45.27% | 5,954 | 44.40% | 6,113 | 45.58% |
| SCWD | 2,462 | 18.36% | 2,339 | 17.44% | 2,240 | 16.70% |
| SMWD | 1,332 | 9.93% | 1,446 | 10.78% | 1,527 | 11.38% |
| TCWD | 1 | 0.01% | 1 | 0.01% | 1 | 0.01% |
| Total | 13,410 | 100% | 13,410 | 100% | 13,410 | 100% |

Net OPEB Liability – 6/30/18 Reporting (Est) (\$000's)

| | Avg. Retiree Health\$ 2002-2017 | % | Avg. Retiree Health\$ 1990 – 2017 | % | Avg. Retiree Health\$ 1990 – 2017 Excl. Contract | % |
|--------------|---------------------------------|-------------|-----------------------------------|-------------|--|-------------|
| CLB | \$ 701 | 10.62% | \$ 678 | 10.27% | \$ 569 | 8.62% |
| CSC | 44 | 0.67% | 47 | 0.71% | 49 | 0.75% |
| CSJC | 682 | 10.33% | 730 | 11.06% | 771 | 11.68% |
| EBSD | 30 | 0.46% | 31 | 0.47% | 25 | 0.38% |
| ETWD | 236 | 3.57% | 270 | 4.09% | 269 | 4.08% |
| IRWD | 51 | 0.77% | 52 | 0.79% | 54 | 0.82% |
| MNWD | 2,988 | 45.27% | 2,930 | 44.40% | 3,008 | 45.58% |
| SCWD | 1,212 | 18.36% | 1,151 | 17.44% | 1,102 | 16.70% |
| SMWD | 656 | 9.93% | 711 | 10.78% | 751 | 11.38% |
| TCWD | 1 | 0.01% | 0 | 0.01% | 0 | 0.01% |
| Total | 6,600 | 100% | 6,600 | 100% | 6,600 | 100% |

Compensated Absences – 6/30/18 Reporting (\$000's)

| | Comp. Absences \$ 6/30/2018 | % |
|--------------|-----------------------------------|-------------|
| CLB | \$ 57 | 11.47% |
| CSC | 3 | 0.58% |
| CSJC | 51 | 10.23% |
| EBSD | 2 | 0.44% |
| ETWD | 17 | 3.48% |
| IRWD | 4 | 0.72% |
| MNWD | 225 | 45.16% |
| SCWD | 92 | 18.46% |
| SMWD | 47 | 9.40% |
| TCWD | 0 | 0.05% |
| Total | 498 | 100% |

Recommendation

- From Actuary's point of view
 - Use data only from 2002 and later
 - Much pre-2002 data is estimated
 - Pre-2002 data looks inconsistent with data immediately after 2002 in many cases
 - Inclusion of dollar labor costs of non-SOCWA employees (for those employees in those years SOCWA has no pension or OPEB obligation) means those years have more weight in the averages than they should

Actuaries and SOCWA Joint Recommendation

| Based on Where Worked Labor Distribution FY's 2002 through 2016, SOCWA's Inception-to-Date | | | | | | | | | | | |
|--|--------------|-----------------|----------------|----------------------|----------------|-----------------------|--------------------------|----------------------|-----------------------|------------|--|
| Net Pension Liability As of June 30, 2017 by Project Committee and Member Agency (\$'s) | | | | | | | | | | | |
| City of | City of | City of San | El Toro | Emerald | Irvine Ranch | Moulton | Santa | South | Trabuco | Total | |
| Laguna Beach | San Clemente | Juan Capistrano | Water District | Bay Service District | Water District | Niguel Water District | Margarita Water District | Coast Water District | Canyon Water District | | |
| - | - | 1,116,948 | - | - | - | 593,382 | 758,012 | 871,559 | - | 3,339,900 | |
| - | 45,381 | 42,711 | - | - | - | 1,214,534 | 238,530 | - | - | 1,453,064 | |
| 24,738 | 31,930 | 33,457 | 20,091 | 1,602 | 33,432 | 70,184 | 65,157 | 29,243 | - | 229,889 | |
| - | - | 469 | 440 | - | 610 | 2,051 | 1,523 | 52,727 | 613 | 333,318 | |
| 909,721 | - | - | - | 40,627 | - | 109,521 | - | 966,700 | - | 2,026,570 | |
| 247,541 | - | - | 328,020 | 9,765 | - | 3,161,138 | - | 174,953 | - | 3,921,417 | |
| - | - | - | - | - | - | - | - | - | - | - | |
| 34,301 | - | - | 65,824 | 1,343 | 54,245 | 70,982 | - | 12,764 | - | 239,459 | |
| 1,216,301 | 77,311 | 1,193,586 | 414,375 | 53,337 | 88,286 | 5,251,583 | 1,145,985 | 2,108,568 | 613 | 11,549,944 | |
| Based on Where Worked Labor Distribution FY's 2002 through 2016, SOCWA's Inception-to-Date | | | | | | | | | | | |
| Net Pension Liability As of June 30, 2017 by Project Committee and Member Agency (% 's) | | | | | | | | | | | |
| City of | City of | City of San | El Toro | Emerald | Irvine Ranch | Moulton | Santa | South | Trabuco | Total | |
| Laguna Beach | San Clemente | Juan Capistrano | Water District | Bay Service District | Water District | Niguel Water District | Margarita Water District | Coast Water District | Canyon Water District | | |
| - | - | 33.4% | - | - | - | 17.8% | 22.7% | 26.1% | - | 100.0% | |
| - | 19.7% | 18.6% | - | - | - | 83.6% | 16.4% | - | - | 100.0% | |
| 7.4% | 9.6% | 10.0% | 6.0% | 0.5% | 10.0% | 13.0% | 36.0% | 12.7% | - | 100.0% | |
| - | - | 7.4% | 6.9% | 0.0% | 9.6% | 32.4% | 24.1% | 15.8% | 9.7% | 100.0% | |
| 44.9% | - | - | 8.4% | 2.0% | - | 5.4% | - | 47.7% | - | 100.0% | |
| 6.3% | - | - | - | 0.2% | - | 80.6% | - | 4.5% | - | 100.0% | |
| 14.3% | - | - | 27.5% | 0.6% | 22.7% | 29.6% | - | 5.3% | - | 100.0% | |
| 10.5% | 0.7% | 10.3% | 3.6% | 0.5% | 0.8% | 45.5% | 9.9% | 18.3% | 0.0% | 100.0% | |
| Member Agency Distribution by PC % | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | | | | | | | | | | | |
| PC 3A | | | | | | | | | | | |
| PC 5 - San Juan Creek Ocean Outfall | | | | | | | | | | | |
| PC 8 - Pretreatment Program | | | | | | | | | | | |
| PC 12 SO - Water Reclamation Permits | | | | | | | | | | | |
| PC 15 - Coastal Treatment Plant/AWT | | | | | | | | | | | |
| PC 17 - Joint Regional | | | | | | | | | | | |
| PC 21 Effluent Transmission Main | | | | | | | | | | | |
| PC 24 - Aliso Creek Ocean Outfall | | | | | | | | | | | |
| Net Pension Liability by Project Committee and Member Agency | | | | | | | | | | | |

Actuaries and SOCWA Joint Recommendation

| Based on Where Worked Labor Distribution FY's 2002 through 2017, SOCWA's Inception-to-Date | | | | | | | | | | | |
|---|--------------|-----------------|----------------|----------------------|----------------|-----------------------|--------------------------|----------------------|-----------------------|-----------|--|
| Retiree Health (GASB 75 Amount) As of June 30, 2018 by Project Committee and Member Agency (\$'s) | | | | | | | | | | | |
| City of | City of | City of San | El Toro | Emerald | Irvine Ranch | Moulton | Santa | South | Trabuco | Total | |
| Laguna Beach | San Clemente | Juan Capistrano | Water District | Bay Service District | Water District | Niguel Water District | Margarita Water District | Coast Water District | Canyon Water District | | |
| - | - | 638,116 | - | - | - | 345,701 | 441,958 | 500,448 | - | 1,926,223 | |
| - | 26,492 | 24,883 | - | - | - | 651,602 | 127,950 | 17,170 | - | 779,553 | |
| 13,573 | 17,806 | 18,302 | 10,976 | 947 | 18,873 | 39,480 | 36,935 | 29,629 | - | 133,393 | |
| - | - | 519 | 486 | - | 674 | 2,268 | 1,685 | 687 | 678 | 6,999 | |
| 525,335 | - | - | - | 23,181 | - | 63,840 | - | 556,096 | - | 1,168,452 | |
| 142,027 | - | - | 186,763 | 5,537 | - | 1,826,220 | - | 100,302 | - | 2,260,850 | |
| - | - | - | - | - | - | - | - | - | - | - | |
| 20,062 | - | - | 37,482 | 769 | 31,282 | 40,912 | - | 7,502 | - | 138,010 | |
| 700,998 | 44,298 | 681,820 | 235,707 | 30,434 | 50,829 | 2,987,726 | 655,675 | 1,211,834 | 678 | 6,600,000 | |
| Based on Where Worked Labor Distribution FY's 2002 through 2017, SOCWA's Inception-to-Date | | | | | | | | | | | |
| Retiree Health (GASB 75 Amount) As of June 30, 2018 by Project Committee and Member Agency (%'s) | | | | | | | | | | | |
| City of | City of | City of San | El Toro | Emerald | Irvine Ranch | Moulton | Santa | South | Trabuco | Total | |
| Laguna Beach | San Clemente | Juan Capistrano | Water District | Bay Service District | Water District | Niguel Water District | Margarita Water District | Coast Water District | Canyon Water District | | |
| - | - | 33.1% | - | - | - | 17.9% | 22.9% | 26.0% | - | 100.0% | |
| - | 19.9% | 18.7% | - | - | - | 83.6% | 16.4% | 12.9% | - | 100.0% | |
| 7.3% | 9.5% | 9.8% | 5.9% | 0.5% | 10.1% | 13.3% | 35.3% | 15.9% | - | 100.0% | |
| - | - | 7.4% | 6.9% | 0.0% | 9.6% | 21.2% | 19.8% | 9.8% | 9.7% | 100.0% | |
| 45.0% | - | - | - | 2.0% | - | 32.4% | 24.1% | 47.6% | - | 100.0% | |
| 6.3% | - | - | 8.3% | 0.2% | - | 5.5% | - | 4.4% | - | 100.0% | |
| 14.5% | - | - | 27.2% | 0.6% | 22.7% | 80.8% | - | 5.4% | - | 100.0% | |
| 10.6% | 0.7% | 10.3% | 3.6% | 0.5% | 0.8% | 45.3% | 9.9% | 18.4% | 0.0% | 100.0% | |

Net Pension Liability

- PC 2 - Jay B. Latham Plant
- PC 3A
- PC 5 - San Juan Creek Ocean Outfall
- PC 8 - Pretreatment Program
- PC 12 SO - Water Reclamation Permits
- PC 15 - Coastal Treatment Plant/AWT
- PC 17 - Joint Regional
- PC 21 Effluent Transmission Main
- PC 24 - Aliso Creek Ocean Outfall

Total Retiree Health Liability by Project Committee and Member Agency

234

Member Agency Distribution by PC %

- PC 2 - Jay B. Latham Plant
- PC 3A
- PC 5 - San Juan Creek Ocean Outfall
- PC 8 - Pretreatment Program
- PC 12 SO - Water Reclamation Permits
- PC 15 - Coastal Treatment Plant/AWT
- PC 17 - Joint Regional
- PC 21 Effluent Transmission Main
- PC 24 - Aliso Creek Ocean Outfall

Retiree Health Liability by Member Agency

Actuaries and SOCWA Joint Recommendation

| Based on Where Worked Labor Distribution FY's 2015 through 2017, Rolling 3 Years | | | | | | | | | | | |
|--|----------------------|-----------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------------------|----------------------------|-------------------------------|---------|--|
| Compensated Absences As of June 30, 2018 by Project Committee and Member Agency (\$'s) | | | | | | | | | | | |
| City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total | |
| - | - | 47,925 | - | - | - | 33,793 | 38,909 | 35,958 | - | 156,585 | |
| - | 1,900 | 1,813 | - | - | - | 22,760 | 1,679 | - | - | 24,439 | |
| 755 | 967 | 1,043 | 591 | 104 | 1,148 | 1,448 | 2,530 | 1,235 | - | 8,926 | |
| - | - | 199 | 186 | - | 258 | 868 | 645 | 263 | 260 | 12,837 | |
| 42,862 | - | - | - | 1,656 | - | 6,361 | - | 43,763 | - | 2,680 | |
| 11,928 | - | - | 14,223 | 387 | - | 154,679 | - | 7,937 | - | 94,641 | |
| - | - | - | - | - | - | - | - | - | - | 189,154 | |
| 1,580 | - | - | 2,348 | 48 | 2,200 | 2,194 | - | 528 | - | 8,898 | |
| 57,125 | 2,867 | 50,980 | 17,348 | 2,195 | 3,606 | 224,982 | 46,849 | 91,950 | 260 | 498,160 | |
| Based on Where Worked Labor Distribution FY's 2015 through 2017, Rolling 3 Years | | | | | | | | | | | |
| Compensated Absences As of June 30, 2018 by Project Committee and Member Agency (%'s) | | | | | | | | | | | |
| City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | El Toro Water District | Emerald Bay Service District | Irvine Ranch Water District | Moulton Niguel Water District | Santa Margarita Water District | South Coast Water District | Trabuco Canyon Water District | Total | |
| - | - | 30.6% | - | - | - | 21.6% | 24.8% | 23.0% | - | 100.0% | |
| - | 21.3% | 20.3% | - | - | - | 93.1% | 6.9% | - | - | 100.0% | |
| 5.9% | 7.5% | 8.1% | 4.6% | 0.8% | 8.9% | 16.2% | 28.3% | 13.8% | - | 100.0% | |
| - | - | 7.4% | 6.9% | 0.0% | 9.6% | 22.4% | 24.0% | 17.6% | - | 100.0% | |
| 45.3% | - | - | - | 1.7% | - | 32.4% | 24.1% | 9.8% | 9.7% | 100.0% | |
| 6.3% | - | - | 7.5% | 0.2% | - | 6.7% | - | 46.2% | - | 100.0% | |
| - | - | - | - | - | - | 81.8% | - | 4.2% | - | 100.0% | |
| 17.8% | - | 26.4% | 24.7% | 0.5% | 24.7% | 24.7% | - | 5.9% | - | 100.0% | |
| 11.5% | 0.6% | 10.2% | 3.5% | 0.4% | 0.7% | 45.2% | 9.4% | 18.5% | 0.1% | 100.0% | |

Net Pension Liability

- PC 2 - Jay B. Latham Plant
- PC 3A
- PC 5 - San Juan Creek Ocean Outfall
- PC 8 - Pretreatment Program
- PC 12 SO - Water Reclamation Permits
- PC 15 - Coastal Treatment Plant/AWT
- PC 17 - Joint Regional
- PC 21 Effluent Transmission Main
- PC 24 - Aliso Creek Ocean Outfall

Total Retiree Health Liability by Project Committee and Member Agency

235

Member Agency Distribution by PC %

- PC 2 - Jay B. Latham Plant
- PC 3A
- PC 5 - San Juan Creek Ocean Outfall
- PC 8 - Pretreatment Program
- PC 12 SO - Water Reclamation Permits
- PC 15 - Coastal Treatment Plant/AWT
- PC 17 - Joint Regional
- PC 21 Effluent Transmission Main
- PC 24 - Aliso Creek Ocean Outfall

Retiree Health Liability by Member Agency

SOCWA Dollar Based Allocation of Long Term Liabilities

SOCWA
Example of Dollar-based Allocation

| | Labor Dollars | | Labor Allocation | | Labor Allocation | | Dollar Allocation | | | | Average Labor Dollars | | | Allocation Percent | | | |
|--------------|-----------------|-----------------|------------------|----------|------------------|----------|-----------------------|--------------------------|---------------|-----------------|-----------------------|--------|-----------------------|--------------------|--------------|-------------|--|
| | Year 1 | Year 2 | Agency X | Agency Y | Agency X | Agency Y | Agency X | Agency Y | Year 1 | Year 2 | Year 1 | Year 2 | Average | Agency X | Agency Y | Average | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (1) * (3) | (1) * (4) | (2) * (5) | (2) * (6) | | | | | | | |
| PCA solid | \$ 300 | \$ 450 | 60% | 40% | 35% | 65% | \$ 180 | \$ 120 | \$ 158 | \$ 293 | | | \$ 169 | \$ 206 | 12% | 15% | |
| liquid | \$ 500 | \$ 800 | 55% | 45% | 40% | 60% | \$ 275 | \$ 225 | \$ 320 | \$ 480 | | | \$ 298 | \$ 353 | 22% | 26% | |
| PCB solid | \$ 20 | \$ 90 | 50% | 50% | 50% | 50% | \$ 10 | \$ 10 | \$ 45 | \$ 45 | | | \$ 28 | \$ 28 | 2% | 2% | |
| liquid | \$ 200 | \$ 350 | 80% | 20% | 90% | 10% | \$ 160 | \$ 40 | \$ 315 | \$ 35 | | | \$ 238 | \$ 38 | 18% | 3% | |
| Total | \$ 1,020 | \$ 1,690 | | | | | \$ 625 | \$ 395 | \$ 838 | \$ 853 | | | \$ 731 | \$ 624 | 54% | 46% | |
| | | | | | | | Total \$ 1,020 | | | \$ 1,690 | | | Total \$ 1,355 | | Total | 100% | |
| | | | | | | | | Average: \$ 1,355 | | | | | | | | | |

Agenda Item

Meeting Date: October 4, 2018

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Monthly Progress Report on State Audit Recommendations

Attached are staff updates for the State Audit Response Schedule.

Recommended Action

The Board will be requested to receive and file the *Monthly Progress Report on State Audit Recommendations* – State Audit Response Schedule.

SOCWA State Audit Response Schedule

| Page | Recommendations | Supplemental Actions to Implement Recommendations | Preparation Schedule/Responsible Staff | Filing Date |
|------|--|--|---|--|
| 16 | <p>Finish Investigating difference in available cash balances per audited financial statements</p> | <p>(a) Complete investigation of differences in available cash balances to audited financial statements.</p> <p>(b) Develop a method that is agreeable to members for allocating additional cash to the credit of members:</p> <ul style="list-style-type: none"> (i) Consider allocating to members based on existing proportion to available cash (ii) Implement improved procedures to account for member cash (iii) Provide monthly reports of available cash balances to members | <p>(a) Prepare results of investigation report, and discuss with Finance Committee and Board</p> <p>(b)Cash Roll Forward results discussed Finance Committee and Board of Directors April, 2018</p> <ul style="list-style-type: none"> (i) Board to review by June, 2018 (ii) Underway (iii) Underway <p>Responsible: Finance Controller</p> | <p>(a)To be completed: September, 2018 – Submitted to State 9/20/18 for 6 mo. compliance</p> <p>(b)(i)To be Completed: September, 2018 – FCM directed staff to provide alternative methods to allocate and to meet with Agency Finance Officers to review, meeting pending early October 2018.</p> <p>(ii) 2015-16 Cash Roll Forward was distributed to Board April, 2018; 2016-17 to be reviewed by Finance Committee May, 2018 - Done</p> <p>(iii)Complete 2017-18 update and Implement monthly updates with July 2018 Monthly Financials (projected to be at 10/2018 Finance Committee for review & approval)</p> |

| Page | Recommendation | Supplements to Recommendation | Preparation Schedule/Responsible Staff | Filing Date |
|------|---|--|--|--|
| 19 | SOCWA and Members should amend the current JPA to expressly state whether members will be responsible for SOCWA retirement benefits | SOCWA should inform plan participants. | Begin consideration of JPA Revisions with assistance of SOCWA Counsel by July, 2018 Submit to Agencies for approval, July, 2019 Responsible: GM/SOCWA Counsel | To be Completed: September, 2019 |
| 28 | Develop and follow a timeline with specific deadlines for completing each of its planned year-end tasks | <ul style="list-style-type: none"> i. Prepare a policy requiring correction of future internal control deficiencies within six months of identifying by external auditor ii. Develop accounting procedures including step-by-step instructions iii. Amend policy on procurements to specify that SOCWA should enter into agreements of at least 5 years with competitively procured external audit firms. iv. Adopt policy to rotate external auditor when state law requires. | <ul style="list-style-type: none"> (i) Counsel to develop by May 2018 Board meeting. Responsible: GM/SOCWA Counsel (ii) Underway. Responsible: Finance Controller (iii) Counsel to develop by May 2018 Board meeting. Responsible: GM/SOCWA Counsel. (iv) Counsel to develop by May 2018 Board meeting. Responsible: GM/SOCWA Counsel. | <ul style="list-style-type: none"> (i) Completed, reported to State Auditor 5/10/18 (ii) Procedures & Schedule for Year End to review with Finance Committee August, 10 2018. Submitted to State 9/20/18 with 6-month compliance update (ii) Submitted to State 9/20/18 with 6-month compliance update. (iv) and (iv) completed and submitted to State Auditor with initial 60 day compliance 5/11/18. |

| | | | | |
|----|--|--|---|---|
| 34 | Assure full compliance with the Public Records Act | <p>(i) Update policy on PRA at least annually to track any changes in laws.</p> <p>(ii) Develop more detailed procedures to ensure that SOCWA responds to requests for records in compliance with PRA.</p> <p>(iii) Establish a policy to retain accurate records and supporting documentation to demonstrate full compliance with all PRA requirements.</p> | <p>(i) April 2018 Board Meeting May 2018, Procedures/Staff Training Responsible: GM/SOCWA Counsel</p> <p>(iii) April 2018 Board Meeting</p> | <p>(i) Adopted April 2018 Board Meeting</p> <p>(ii) Pending (9/2018)</p> <p>(iii) Adopted April 2018 Board Meeting</p> <p>(iv) Submitted to State Auditor with initial 60 day report on 5/10/18</p> |
|----|--|--|---|---|

Update October 2018

Agenda Item

Legal Counsel Review: Yes

Meeting Date: October 4, 2018

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Amber Baylor, Director of Environmental Compliance
SUBJECT: Resolution No. 2018-13 - Basin Plan Amendment
FISCAL IMPACT: Costs to be a pass through to SMWD and MNWD or funded separately by those agencies

Summary

SOCWA has succeeded in being listed as a preferred project in the Triennial Review Process for amendments to the Basin Plan. The project proposed is for adjustment of Water Quality Objectives for Total Dissolved Solids in the Middle San Juan and Middle Trabuco Hydrologic Sub-basins. The Basin Plan Amendment cannot proceed unless SOCWA and the member agencies provide financial resources to the San Diego Regional Water Quality Board (SDRWQCB) for staff as the Board does not have the necessary staff to complete currently.

SOCWA provided affected member agencies with a sample contract from the SDRWQCB that elucidates terms to support a position on an as needed basis. SOCWA has also provided the contract to general counsel for review and recommendation. The Resolution provided in the Board packet contains support for the funding commitments that would allow for the Basin Plan Amendment to proceed. The work would proceed at up to approximately \$139,000 per year of cost to each agency participating (Moulton Niguel Water District and Santa Margarita Water District) and would be managed through Project Committee 12 budgeting. The time of the SDRWQCB staff would be billed as incurred by hourly rate structure, and SOCWA would have the option to cancel the work on 30 days written notice. Additionally, the progress of work would be subject to annual approval of amounts to fund the work in any given year. It is anticipated that the work would take up to three (3) years to complete.

As SMWD and MNWD are utilizing recycled water to support reuse objectives in the respective hydrologic sub-basin area this work should proceed. The work will support adjustment to the TDS objectives within the basin plan. The commitment to the work is also needed to allow for reissuance of the Master Recycled Permit.

Recommended Action

- 1) SOCWA Board of Directors approve Resolution No. 2018-13 – Basin Plan Amendment.
- 2) As needed, costs to be assigned through PC 12 to SMWD and MNWD (as noted in FY 2018-19 Budget Assumptions Item 2: expenses incurred for single agency or group of agencies that is less than a full PC may be billed to and paid for by the incurring agency or agencies).
- 3) SMWD and MNWD to be requested to authorize the funding commitment.

RESOLUTION NO. 2018-13
RESOLUTION OF THE BOARD OF DIRECTORS
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
BASIN PLAN AMENDMENT

WHEREAS, the Salt and Nutrient Management Plan (SNMP) tentatively approved by the SDRWQCB concluded that a basin plan amendment is required to support expanded recycled water use within the SOCWA service area.

WHEREAS, the San Diego Regional Water Quality Control Board (SDRWQCB) has prioritized revision of water quality objectives for Total Dissolved Solids (TDS) in the Middle San Juan and Middle Trabuco groundwater basins for expanded recycled water uses in the SOCWA service area through the triannual Basin Plan Amendment process (hereinafter referred to as the "WQO Project").

WHEREAS, the SDRWQCB requires additional staff resources to complete the technical, administrative, and procedural elements of the WQO Project for the timely completion of the basin plan amendment.

WHEREAS, SOCWA will work closely with Santa Margarita Water District and the Moulton Niguel Water District (the affected member agencies) to complete technical studies, conduct public workshops, and coordinate with the SDRWQCB staff person assigned to complete the WQO Project for the basin plan amendment work.

WHEREAS, SOCWA will coordinate with the SDRWQCB and affected member agencies in the WQO Project for the basin plan amendment process.

WHEREAS, SOCWA will provide support to SDRWQCB for completion of the WQO Project from equal contributions from the affected member agencies Moulton Niguel Water District and Santa Margarita Water District within Project Committee 12.

WHEREAS, SOCWA'S pending Master Recycled Water Permit requirements are predicated on in the initiation of the WQO Project for the basin plan amendment.

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

Section 1. SOCWA, upon approval of the affected member agencies identified above, will contract with the SDRWQCB to provide the necessary resources to complete the WQO Project for the basin plan amendment.

Section 2. SOCWA shall thereafter coordinate efforts to complete the WQO Project for the Basin Plan amendment.

ADOPTED, SIGNED and APPROVED this 4th day of October 2018.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

By: _____
Chairman

(Seal)

By: _____
Secretary

OR

SANTA MARGARITA WATER DISTRICT

By: _____
Chairman

(Seal)

By: _____
Secretary

OR

MOULTON NIGUEL WATER DISTRICT

By: _____
Chairman

(Seal)

By: _____
Secretary

Agenda Item

Budgeted: Yes

Budget amount: \$638,000

Line Item: PC 2, 15 and 17 and Lines Item 5006 and 5009

Legal Counsel Review: Yes

Meeting Date: October 4, 2018

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Chlor-Alkali Products (Caustic Soda and Bleach) Contract Extension with Olin Corporation, DBA Olin Chloro-Alkali Products

FISCAL IMPACT: Existing FY2018-19 Budget is Estimated to be Sufficient at this Time.

Summary

At the end of October 2018, the existing contract with Olin Corporation, DBA Olin Chloro-Alkali Products (Olin), will expire and needs to be extended. Staff proposes extending the contract for one (1) additional year and performing a request for proposals for the future contract.

Discussion/Analysis

SOCWA staff traditionally conducts a request for proposals for all chemical contracts. Bleach supply chains have been interrupted due to the recent hurricanes affecting the eastern seaboard. Staff feels that the current quotes for short-term increases would be locked into long-term contracts if a long-term contract were put into place today via opening an RFP at this time.

Staff contacted Olin for a one (1) year term extension. The following are the proposed prices:

| | | | |
|-----------------------------|------------------|---------|--------|
| Sodium Hypochlorite - 12.5% | (501-1000 gals) | \$1.290 | gallon |
| Sodium Hypochlorite - 12.5% | (1001-2000 gals) | \$1.114 | gallon |
| Sodium Hypochlorite - 12.5% | (2001-3000 gals) | \$0.897 | gallon |
| Sodium Hypochlorite - 12.5% | (3001-4000 gals) | \$0.796 | gallon |
| Sodium Hypochlorite - 12.5% | (>4500 gals) | \$0.737 | gallon |

| | | | |
|---|----------------------|---------|--------|
| Sodium Hypochlorite - 5.25% (full load) | (>4800 gals) ETWD | \$0.665 | gallon |
|---|----------------------|---------|--------|

| | | | |
|------------------------|------------------|---------|--------|
| Sodium Hydroxide - 50% | (1-500 gals) | \$4.190 | gallon |
| Sodium Hydroxide - 50% | (501-1000 gals) | \$3.500 | gallon |
| Sodium Hydroxide - 50% | (1001-2000 gals) | \$3.190 | gallon |

| | | | |
|------------------------|---------------------------------|---------|--------|
| Sodium Hydroxide - 50% | (>2000 gals) | \$3.010 | gallon |
| Sodium Hydroxide - 50% | Full trklid (3,918 min.) | \$2.840 | gallon |
| Sodium Hydroxide - 30% | (500+ gals) - IRWD | \$3.090 | gallon |
| Sodium Hydroxide - 30% | Full trklid (4,900 min.) - IRWD | \$2.390 | gallon |

Additional charges may apply for split loads per stop, additional unloading time due to SOCWA delays, fuel surcharges, sales tax, and California mill assessment fees.

Price Increases

The proposed price increases by percentage are as follows:

| Chemical Item | % Price Increase |
|---|------------------|
| Sodium Hypochlorite, 12.5% (\$/gal.) – All Locations | |
| 501 - 1000 gals. | 8% |
| 1001 – 2000 gals. | 10% |
| 2001 – 3000 gals. | 13% |
| 3001 – 4500 gals. | 14% |
| > 4500 gals. | 16% |
| Sodium Hypochlorite, 5.25% (\$/gal.) | |
| El Toro Water District- > 4800 gals. | 12% |
| Caustic Soda, 50% (\$/gal.) – All Locations | |
| 1 - 500 gals. | 13% |
| 501 – 1000 gals. | 16% |
| 1001 – 2000 gals. | 17% |
| > 2000 gals. | 19% |
| Full Truckload (~ 4,000 gals.) | 20% |
| Caustic Soda, 30% (IRWD) (\$/gal.) | |
| 500 + gals. | 47% |
| Full Truckload (~ 4,600 gals.) | 71% |

The total annual increase from the beginning of the contract in 2013 is about 5% per year on average. However, due to the elevated price increases, staff will be starting the process to conduct a Request for Proposal (RFP) after the bleach supply chains recovers and prices stabilize, most likely in early 2019. Staff from City of San Clemente (CSC), Santa Margarita Water District (SMWD), Trabuco Canyon Water District (TCWD), El Toro Water District (ETWD), Irvine Ranch Water District (IRWD), and City of San Juan Capistrano (CSJC) will be contacted to gain their input to the RFP process. These agencies also use this contract for their chloro-alkali products.

Prior Related Project Committee or Board Action(s)

None

Fiscal impact

The existing FY2018-19 Budget is estimated to be sufficient at this time. Staff will be monitoring the chemical budgets to determine if budget adjustments are necessary in the future. Future pricing is also estimated to increase under the upcoming RFP but the amount is unknown at this time.

Recommendation

Award an up to one (1) year contract extension to Olin Corporation DBA Olin Chloro-Alkali Products for Chlor-Alkali Products for (5.25%-12.5% Sodium Hypochlorite and 30%-50% Sodium Hydroxide) with the prices as indicated including applicable additional charges.

Agenda Item

Budgeted: Yes

Budget amount: \$128,000

Line Item: PC 2, 15 and 17 and Lines Item 5015

Legal Counsel Review: No

Meeting Date: October 4, 2018

TO: Board of Directors

FROM: Betty Burnett, General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Change Order to Carollo Engineers Services Contract for the Treatment Cost Allocation Analysis

FISCAL IMPACT: Original Contract \$39,894, Change Order Proposed \$28,374.

Summary

Carollo Engineering was retained by SOCWA to review and analyze the means and methods SOCWA uses to allocate line item costs to member agencies for each Project Committee. This work supplements the Board level discussions about the fair share allocation of costs for consumables like energy, water, and chemicals among other items. Carollo Engineering has completed 60% of the project and additional funding is needed to perform work beyond the original scope. The additional funding for the project is \$28,374 to bring the total project cost to \$68,268.

Discussion/Analysis

To date, completed work on the project has included:

- Review of the existing budget model and assumptions
- Reviewed the past documents laying out the means for allocating O&M costs, including the 2012 "COST ALLOCATION METHODOLOGY FOR PROJECT COMMITTEES" prepared by Dudek Engineering
- Performed a detailed assessment of each O&M cost line item
- Worked with staff to further develop means to document variable costs, including power, gas, and chemicals
- Developed potential allocation options for line items that have multiple potential allocation options
- Met with staff to clarify and confirm options for the various line items
- Outlined the potential scenarios that could be run to review the various allocation options
- Developed spreadsheets that can be used as the inputs for a scenario running model
- Prepared a potential schedule for periodically updating cost allocation methodologies

During the development of the project, it became clear that many more scenario runs were going to be needed based on the potential options being developed. In addition, it became clear

that one or more agency would prefer to run multiple scenarios beyond the scenarios being developed by the SOCWA staff. To accommodate this need, the following items are being added to the scope of the project:

- The development of a model to mimic SOCWA's Financial Model
- Additional consultant time to run multiple model runs
- Additional time and effort to prepare meeting materials and attend meetings with member agencies to review in detail the model and its inputs and outputs
- The addition of a draft report which will be prepared to document the intermediate set between the member agencies staff review and the SOCWA Finance Committee review

Carollo Engineering needs additional funding to complete the added scope of the project and finish the Treatment Cost Analysis. This extra effort will allow for a full and complete assessment of many potential cost sharing options by the member agencies.

The total project budget with this change order of \$28,374 will be \$68,268. It is anticipated that a draft report presenting results will be available for the Finance Committee in November 2018.

Prior Related Project Committee or Board Action(s)

None

Fiscal impact

This Change Order exceeds the authorization of the General Manager for the entire contract and requires Board Approval.

Recommendation

Recommend approval of the Carollo Engineering Contract Change Order for the Treatment Cost Allocation Analysis in the amount of \$28,374 for a total not to exceed amount of \$68,268.

attachment: Fee Proposal



Task Level Budget for Additional Support

South Orange County Wastewater Authority
Treatment Cost Allocation Analysis

| Task | Project Manager <i>Kyle Rhorer</i> | Cost Allocation Lead | Cost Allocation Support | Admin Support | Total Hours | Total Labor Costs | Other Direct Costs | Total Costs |
|---|---------------------------------------|-------------------------|----------------------------|------------------|-------------|----------------------|-----------------------|-----------------|
| 1 Cost allocation model revisions (per SOCWA) | 1 | 8 | 24 | 0 | 33 | \$5,718 | \$386 | \$6,104 |
| 2 Conduct additional model iterations (per Member Agencies) | 1 | 8 | 24 | 0 | 33 | \$5,718 | \$386 | \$6,104 |
| 3 Prepare draft Technical Memorandum for SOCWA review | 2 | 8 | 16 | 4 | 30 | \$5,232 | \$351 | \$5,583 |
| 4 Revise draft Technical Memorandum for Board review | 1 | 2 | 4 | 2 | 9 | \$1,570 | \$105 | \$1,675 |
| 5 Revise draft Technical Memorandum per Board comments | 1 | 2 | 4 | 2 | 9 | \$1,570 | \$105 | \$1,675 |
| 6 Meetings with Finance Committee and/or Board | 12 | 12 | 12 | 0 | 36 | \$7,944 | \$721 | \$8,665 |
| TOTAL HOURS | 18 | 40 | 84 | 8 | 150 | | | |
| HOURLY RATE | \$294 | \$213 | \$155 | \$115 | | | | |
| TOTAL COST | \$5,292 | \$8,520 | \$13,020 | \$920 | | \$27,752 | \$2,055 | \$29,807 |

Agenda Item

Legal Counsel Review: No

Meeting Date: October 4, 2018

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

Environmental Compliance

ELAP/Summit Partners

The Environmental Laboratory Accreditation Program (ELAP) has been on a single-track accreditation standard called The Nelac Institute (TNI) standard since 2015. The problem is that the TNI standard is administratively burdensome resulting in an average of 0.75FTE for adoption and maintenance of the standard without a concomitant increase in data quality. The projected increase for the state of California would trigger major regulation status as required by SB 617. Amber Baylor of SOCWA staff worked with the Clean Water Summit Partners to submit a letter to the State Water Resources Control Board objecting to TNI as a single standard. The Clean Water Summit Partners wrote a letter to express the support for exploring the option of a dual laboratory accreditation program that offers state accreditation as well as TNI accreditation within the ELAP. The Clean Water Summit Partners are the state and regional wastewater associations committed to working together on issues of critical importance to our collective memberships. The Summit Partner associations include the Bay Area Clean Water Agencies (BACWA), the California Association of Sanitation Agencies (CASA), the California Water Environment Association (CWEA), the Central Valley Clean Water Association (CVCWA), and the Southern California Alliance of Publicly Owned Treatment Works (SCAP). The Summit Partners will continue to work with the SWRCB to ensure that the final version of the ELAP regulations contain provisions for a dual accreditation system in alignment with the underlying statute, AB 1438 (the Environmental Laboratory Accreditation Act).

R9 Kelp Consortium

The status of the giant kelp forests (*Macrocystis pyrifera*) that occur along most of the southern California coast are mapped annually as part of NPDES permit requirements for ocean dischargers in Region 9 of the SDRWQCB. The program began approximately 30 years ago (1982-1983) when the Region Nine Kelp Survey Consortium (RNKSC) was formed to address regulations drafted by the San Diego Regional Water Quality Control Board for San Diego and Southern Orange Counties. The extent of these surveys was extended to northern Orange County, Los Angeles County and Ventura County in 2002 when the Central Region Kelp Survey Consortium (CRKSC) was formed to address similar requirements put forth by the Los Angeles Regional Water Control Board.

A series of meetings were held between Regional Board and ocean discharger representatives, (the latter including publicly owned treatment works [POTWs], power generators, storm water agencies and non-governmental organizations), to discuss the design and implementation of a regional kelp bed monitoring program. Primary decisions stemming from these meetings were that the methodology should be consistent with the aerial kelp surveys conducted by the late

Dr. Wheeler North dating back to 1967, and that the southern and northern programs should be coordinated as much as possible.

With the RNKSC and CRKSC programs combined, all coastal kelp beds from the Ventura River to the USA/Mexico Border are now surveyed synoptically several times a year, a coverage representing approximately 81 percent of the southern California mainland coast. Although the results of these kelp surveys were reported separately for each region prior to 2012, these reports have since been combined into a single "Status of the Kelp Beds" report published in July of each year.

The maximum areal extent of R9 canopy for 2017 was 3.277 km². The maximum total kelp canopy decreased in size in 2017 by 36.2 percent. Seven (7) kelp beds increased in size and 13 decreased with one bed disappearing in Imperial Beach. Attributed factors for the disappearance include high water temperatures, low nutrient availability, excessive turbidity, reduced upwelling, strong wave action, phytoplankton blooms/toxin production.

Engineering

CTP Sludge Forcemain Project – Regulatory Permitting Update

SOCWA has received word that the United States Fish and Wildlife Service (USFWS) has concluded its consultation regarding the Coastal Treatment Plant Export Sludge Upgrade Project. The USFWS concluded with implementation of the proposed mitigation measures that there would be no impact on the California gnatcatcher and least Bell's vireo. The next steps to finalize the permitting process are as follows:

- 1) Work with the U.S. Army Corps of Engineers to finalize the Nationwide Permit,
- 2) Obtain the finalized Coastal Development Permit from the California Coastal Commission,
- 3) Process an amendment to the Regional Water Quality Control Board permit for the updated habitat mitigation and monitoring plan, and,
- 4) Complete of access permit for the County of Orange.

None of the above items are anticipated to cause any additional delay. The project is expected to go to bid in April 2019, and begin construction in September 2019.

Finance

FY 2017-18 Use Audit Update

Fiscal Year 2017-18 preliminary Use Audit (pending completion of annual financial statements audit) was presented to the Finance Committee on September 19, 2018.

Finance Committee Direction:

Schedule a meeting with the Member Agencies Finance Officers to review:

1. Preliminary FY 2017-18 Use Audit
2. Preliminary FY 2017-18 Cash Roll Forward
3. Include FY 2017-18 Large Capital Cash Roll Forward in FY 2017-18 Use Audit Book
4. MNWD requested the reconciliation (previously presented to the Finance Committee and Board) of FY 2016-17 Use Audit to the Audited Financial Statements for FY 2016-17 to be submitted with the final Use Audit.

Legal Expenditures Update

FY 2017-18 expenditures for legal expenses were reviewed by the Finance committee at the September 19, 2018 meeting. Several items were noted for additional review including the amount of legal expenditures for SOCWA Financial Statements Audit work. Additionally, the Committee requested detail on the firms providing services to SOCWA. A revised legal expenditures information sheet for FY 2017-18 is attached.



Clean Water Summit Partners
1225 L Street, Suite 595
Sacramento, CA 95814
p: 916.446.0388

Summit Partners:
- Bay Area Clean Water Agencies (BACWA)
- California Association of Sanitation Agencies (CASA)
- Central Valley Clean Water Association (CVCWA)
- California Water Environment Association (CWEA)
- Southern California Alliance of Publicly Owned Treatment Works (SCAP)

September 6, 2018

Felicia Marcus - Chair, Board Members, and ELAP Team Members
California State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100

Subject: State Accreditation

Dear Chairperson Marcus, Board Members, and ELAP Team Members:

The Clean Water Summit Partners write to express our support for exploring the option of a dual laboratory accreditation program that offers state accreditation as well as TNI accreditation within the Environmental Lab Accreditation Program (ELAP). The Clean Water Summit Partners are the state and regional wastewater associations committed to working together on issues of critical importance to our collective memberships. The Summit Partner associations include the Bay Area Clean Water Agencies (BACWA), the California Association of Sanitation Agencies (CASA), the California Water Environment Association (CWEA), the Central Valley Clean Water Association (CVCWA), and the Southern California Alliance of Publicly Owned Treatment Works (SCAP). Together, our member agencies provide wastewater collection, treatment, and water recycling services to millions of Californians.

As you are aware, the ELAP program provides administrative oversight and serves as a mechanism for community trust in the high-quality scientific data that is utilized for the protection of safe drinking water supplies and the protection of the environment. In 2015, ELAP began development of updated regulations to enhance their administrative oversight. The Summit Partners have been tracking the ELAP regulation development process for nearly three years now, and over that time period we have submitted several comment letters, provided representation on the Environmental Laboratory Technical Advisory Committee (ELTAC), and met with Water Board members and staff on several occasions. Despite significant concerns from the regulated community, ELAP quickly settled on a single standard for the entire state, TNI with two modifications related to proficiency testing and the Technical Manager and has been pursuing that route ever since. The second draft regulations provided to the ELTAC maintain this single track for all of the state's labs. The more reasonable and feasible dual accreditation approach, supported in concept by the Summit Partners, still has not been incorporated or fully considered by ELAP.

Over the last few years, the Summit Partners and our members within the laboratory community have been able to review the administrative requirements of the TNI standard in detail. We have reached the conclusion that requiring TNI for all labs in the state would cause a significant shift in investment from scientific personnel to administrative staff. As we have mentioned in previous comments, this places a substantial burden on all water and wastewater labs, particularly smaller labs with fewer resources, and does little for the protection of water quality and public health. Laboratory work is governed by the underlying statutory requirements that each laboratory is required to meet or seeks to gain proficiency in for commercial purposes. These requirements are at the heart of oversight by ELAP, but fundamentally, laboratories meet these statutory challenges through investment in scientists and technology, not administrative personnel. We have concluded that TNI alone is not the solution for laboratory accreditation in the state of California. For some labs, the administrative burdens and complexities for compliance with TNI simply are unaffordable and will drive them to close entirely.

Instead, we believe that the hundreds of laboratories that our member agencies represent should be governed by the accreditation system that works best for their services to public health and the environment. Larger labs with a wider range of responsibilities and sufficient resources to implement the administrative burdens of TNI should be free to pursue that course. Other labs should be allowed to seek state accreditation without undergoing all of the steps required by TNI. There is already precedent for this approach within State Water Board programs. A dual laboratory accreditation system would mimic the State Water Board's operator certification program, where a tiered requirement structure is flexible to meet the many types of staffing needs at the various levels of drinking water and wastewater treatment and conveyance facilities. Laboratory staffing and certification are not dissimilar from operator certification. The tiered operator certification system works well in California because it addresses the multitude of treatment requirements in the various communities throughout the state, while the regulatory implications of the singular administrative system imposed by TNI does not. Moreover, a dual accreditation system is also in alignment with ELAA §100829(a), which authorizes the State Water Board to "[o]ffer both state accreditation and TNI accreditation, which shall be considered equivalent for regulatory activities covered by this article."

We understand that a dual accreditation could be somewhat costlier to implement, and this may be one reason why it has not been fully considered as part of the new regulatory process. The laboratory community recognizes that ELAP may need more financial resources to provide adequate administrative oversight for a dual accreditation system. The Summit Partners and our agency members could potentially support a reasonable increased fee structure as authorized in the Environmental Laboratory Accreditation Act (ELAA), Health & Safety Code § 100829(f)(1), for the advancement of the state accreditation system. If the development of a fee structure for the ELAP program proceeds simultaneously

with regulation development, we would request that the fee structure options include the fees needed to support a dual (state and TNI) accreditation system.

At present, the second draft regulation that ELAP released to the ELTAC includes the provision for a one size fits all TNI standard alone. We implore you to revise current draft regulations to be in alignment with the ELAA and feature a dual accreditation system that can be supported by the water and wastewater community. The agency members and laboratories represented by the Clean Water Summit Partners are engaging in cutting edge science that will be needed to meet the water quality requirements of the future. Further, the dual accreditation standard will provide for more scientists to meet these challenges while still providing sufficient resources for ELAP to provide ample administrative oversight of California's labs.

We thank you for your time to consider the importance of this proposal, and again offer the resources and experience of the large and robust laboratory community comprising our memberships who stand ready to assist ELAP with drafting an effective state accreditation standard.

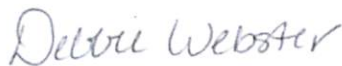
Sincerely,



David Williams
BACWA Executive Director



Roberta L. Larson
CASA Executive Director



Debbie Webster
CVCWA Executive Director



Elizabeth Allan
CWEA Executive Director



Steve Jepsen
SCAP Executive Director

cc: Christine.Sotelo@waterboards.ca.gov
elapca_comments@waterboards.ca.gov
Katelyn.McCarthy@Waterboards.ca.gov
Robert.Brownwood@waterboards.ca.gov
Darrin.Polhemus@waterboards.ca.gov
Eileen.Sobeck@waterboards.ca.gov

FY 2017-18 Legal Billing
YTD as of 6/30/2018

| FY 2017-18 Budget | Labor A | MOU B | PERS C | General Legal D | Budget/Voting Issues E | PRA F | Audit G | Contracts H | Engineering General I | Insurance J | MNWD K | PC Billed * L | Total Spent |
|-------------------|-----------|-----------|-----------|-----------------|------------------------|----------|----------|-------------|-----------------------|-------------|-----------|---------------|-------------|
| 2,632.00 | 78,291.71 | 32,109.20 | 14,954.00 | 88,935.93 | - | 5,640.00 | 6,184.00 | 11,474.00 | - | - | 42,166.98 | 23,594.78 | 305,982.60 |

* PC Billed
 Legal 01-6202-04 276,203.81
 Audit 01-6201-04 6,184.00
 PC Billed **-5017-01 23,594.79
305,982.60

| | Account |
|-------|---------------------|
| PC 2 | 02-5017-01-00-00 |
| PC 5 | |
| PC 12 | |
| PC 15 | 15-5017-01-00-00 |
| PC 17 | 17-5017-01-00-00 |
| PC 23 | 23-5017-01-00-00 |
| PC 24 | |
| | \$ 23,594.79 |

| Client | Category Expense |
|----------------------------------|------------------------|
| Varner & Brandt | A, B, D, F, G, H, K, L |
| Best Best & Krieger | B |
| Daube Law | C |
| Bowie, Arneson, Wiles & Giannone | C, D, G, H, K, L |
| Giannone & Giannone | A, C, D, G, H, K, L |
| Boutwell Fay LLP | D |
| Woodruff, Spradlin & Smart | D |