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

AGENDA

*Special Meeting of The
South Orange County Wastewater Authority
Board of Directors*

Thursday, December 8, 2016
9:30 a.m.

THE BOARD OF DIRECTORS MEETING 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 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 an 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. Operational Reports1

- 1) Monthly Operations Report – October 2016.....3
- 2) Beach/Ocean Monitoring Report.....12
- 3) Recycled Water Report35
- 4) Pretreatment Report39
- 5) Capital Improvement Program Status Report.....43

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

FISCAL IMPACT None.

5. FINANCIAL MATTERS

A. Approval of Fiscal Year 2015-16 Use Audit.....61

ACTION The Board will be requested to 1) approve the Fiscal Year 2015-16 Use Audit dated November 29, 2016, 2) approve refunds for Agencies whose costs were under budget, and 3) approve billings for Agencies with additional assessments.

FISCAL IMPACT Refer to Staff Report

6. GENERAL MANAGER’S REPORTS

A. Award of Contract - Outfall Dilution Study.....162

ACTION The Board will be requested approve award of contract Michael Baker International in the amount of \$102,670 for outfall dilution analysis.

FISCAL IMPACT The total cost of the project is \$102,670, with \$71,445 for the SJCOO (PC 5) analysis and \$31,225 for the ACOO (PC24) analysis.

B. Employee Recognition Resolutions

1) Resolution No. 2016-07 – Ms. Hillary Kelly, 33 years of service.....167

ACTION Staff recommends the Board approve Resolution No. 2016-07 and authorize Chairman Ferons to sign the Commendation on the behalf of the Board of Directors of the South Orange County Wastewater Authority.

FISCAL IMPACT Refer to Staff Report

2) Resolution No. 2016-08 - Mr. Brian Wetmore, 30 years of service.....169

ACTION Staff recommends the Board approve Resolution No. 2016-08 and authorize Chairman Ferons to sign the Commendation on the behalf of the Board of Directors of the South Orange County Wastewater Authority.

FISCAL IMPACT Refer to Staff Report

7. CLOSED SESSION

A. Closed Session will be conducted under Government Code Section 54956.9 for the following purpose:

POTENTIAL LITIGATION – IN 1 MATTER

Pursuant to Government Code Section 54956.9 a Closed Session will be conducted to confer with legal counsel RE: potential litigation in 1 matter.

8. 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.]

9. ADJOURNMENT

THE NEXT REGULAR SOCWA BOARD MEETING WILL HELD ON
JANUARY 5, 2017 AT 8:30 A.M.

Agenda Item

Meeting Date: December 8, 2016

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Jim Burror, Director of Operations
SUBJECT: October 2016 Operations Report

Summary/Discussion

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

1) Monthly Operational Report

A six (6) page overview and comparison of member agency usage of the facilities. This includes influent parameters and recycled water production. The pages also include ongoing calculations used by SOCWA for billing the agencies. Other items include important statistics for regulatory compliance, visitations 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 member agencies that are planning reuse projects and may wish to utilize water currently being discharged to the ocean.

3) Beach Ocean Monitoring Report

4) Recycled Water Report

5) Pretreatment Report

Fiscal impact

No change

Recommendation

Staff recommends receiving and filing the above mentioned operational reports.

Monthly Operational Report

SOCWA Operational Report October, 2016

Excursion, Complaint, and Violation Events

| Events | CTP | RTP | JBL | Totals |
|------------|-----|-----|-----|--------|
| Odor | 0 | 6 | 0 | 6 |
| Noise | 0 | 0 | 0 | 0 |
| Spills | 0 | 0 | 0 | 0 |
| Violations | 0 | 0 | 0 | 0 |
| Others | 0 | 0 | 0 | 0 |

Plant Wastewater Billing Characteristics

| Key Parameters | CTP | RTP | JBL TP1 | JBL TP2 | Totals |
|--------------------------|------|-------|---------|---------|--------|
| Influent (mgd) | 2.77 | 7.50 | 6.76 | 0.94 | 17.97 |
| Effluent (mgd) | 2.59 | 1.86 | 6.76 | 1.15 | 12.36 |
| Peak Flow (mgd) | 2.90 | 16.61 | 11.05 | 10.00 | 40.56 |
| Influent BOD (mg/l) | 495 | 252 | 247 | 295 | |
| Influent TSS (mg/l) | 325 | 296 | 457 | 297 | |
| Effluent BOD (mg/l) | 6.4 | 2.5 | 8.3 | 9.2 | |
| Effluent TSS (mg/l) | 6.2 | 4.7 | 11.9 | 9.8 | |
| Effluent Turbidity (NTU) | 3.9 | 2.7 | 6.5 | 7.0 | |

Recycled Water (AWT) Operations

| Key Parameters | CTP | RTP | JBL | Totals |
|------------------------------------|------|-------|------|--------|
| Average Flow (mgd) | 0.77 | 5.65 | | 6.41 |
| Days of Operation (days) | 24 | 31 | | |
| Total Flow (million gallons) | 23.8 | 175.1 | | 198.8 |
| Plant Irrigation (million gallons) | 0.10 | 0.00 | 0.31 | |
| AWT Time Online (%) | 99.4 | 99.8 | | |

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 October, 2016 (cont'd)

Biosolids Management

| Biosolids Management Site | CTP | RTP | JBL | Totals |
|---------------------------|-----|-------|-------|--------|
| Synagro Compost (tons) | | NA | 0.0 | NA |
| Nursery Products (tons) | | 177.4 | 414.5 | 591.8 |
| Prima Deshecha (tons) | | 198.0 | 179.3 | 377.3 |
| Other: _____ (tons) | | 0.0 | 0.0 | 0.0 |
| Total Processed (tons) | | 375.3 | 593.8 | 969.1 |

Summary of Maintenance Activities

| Task Type | CTP | RTP | JBL | Totals |
|--------------------------|-----|-----|-------|--------|
| Preventative Maintenance | 460 | 495 | 1,140 | 2,095 |
| Corrective Maintenance | 236 | 235 | 373 | 844 |

Site Visitors

| Visitor Types | CTP | RTP | JBL | Totals |
|------------------|-----|-----|-----|--------|
| Regulatory | 1 | 0 | 3 | 4 |
| Member Agency | 0 | 2 | 0 | 2 |
| Residents | 0 | 1 | 0 | 1 |
| Others | 10 | 15 | 60 | 85 |
| Tours #/Visitors | 0 | 1 | 0 | 1 |

Grit Disposal Management

| Grit & Screenings | CTP | RTP | JBL | Totals |
|-----------------------------|-----|------|-----|--------|
| Simi Valley Landfill (tons) | 6.3 | 25.7 | NA | 32.0 |

Chemical and Energy Utilization

| Chemical/Utility | CTP | RTP | JBL | Totals |
|----------------------------|---------|--------------|---------|-----------|
| Ferric Chloride (tons) | 0.1 | 27.7 | 18.0 | 45.8 |
| Power (kWh) | 230,544 | 107,717 | 474,744 | 813,005 |
| Natural Gas (Dth) | 60 | NA | 3,985 | 4,045 |
| Digester Gas (scfm) | | 9,119,148 | 0(1) | 9,119,148 |
| Digester Gas Power Savings | | \$ 32,458.23 | | |

(1) Engine removed for construction project.

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 October, 2016 (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 | 1.695 | 59.07% | | | | 1.69 |
| EBSB | 0.039 | 1.35% | | | | 0.04 |
| SCWD | 1.136 | 39.58% | | 1.659 | 24.54% | 2.79 |
| MNWD | 0.000 | 0.00% | 7.50 | 1.400 | 20.71% | 8.90 |
| CSJC | | | | 1.996 | 29.53% | 2.00 |
| SMWD | | | | 1.705 | 25.22% | 1.71 |
| Total | 2.869 | 100.00% | 7.50 | 6.760 | 100.00% | 17.13 |

Total Agency Outfall Flows by Outfall System-Billing Flows

| Agency | SJCOO (mgd) | SJCOO (%) | SJCOO Meter (mgd) | ACOO (mgd) | ACOO (%) | Total (mgd) | Notes |
|--------------|-------------|----------------|-------------------|-------------|----------------|--------------|---------------------|
| CLB | | | | 1.69 | 25.15% | 1.69 | |
| EBSB | | | | 0.04 | 0.57% | 0.04 | |
| SCWD | 1.67 | 18.30% | | 0.76 | 11.33% | 2.43 | Includes Desalters |
| MNWD | 1.40 | 15.35% | | 1.86 | 27.54% | 3.26 | |
| ETWD | | | | 2.36 | 34.99% | 2.36 | Direct Outfall Only |
| CSJC | 2.00 | 21.89% | | | | 2.00 | Includes Desalter |
| SMWD | 2.14 | 23.42% | | | | 2.14 | Includes Chiquita |
| CSC | 1.92 | 21.04% | | | | 1.92 | Direct Outfall Only |
| IRWD | | | | 0.03 | 0.41% | 0.03 | Direct Outfall Only |
| Total | 9.12 | 100.00% | 8.71 | 6.74 | 100.00% | 15.86 | |

SOCWA Operational Report October, 2016 (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% | 3.19 | 38.02% | 1.996 | 29.53% | 1.98 | 28.40% |
| MNWD | 3.00 | 23.08% | 1.40 | 16.69% | 1.400 | 20.71% | 1.45 | 20.74% |
| SCWD | 3.75 | 28.85% | 2.00 | 23.84% | 1.659 | 24.54% | 1.68 | 24.10% |
| SMWD | 2.25 | 17.31% | 1.80 | 21.45% | 1.705 | 25.22% | 1.87 | 26.76% |
| Total | 13.00 | 100.00% | 8.39 | 100.00% | 6.760 | 100.00% | 6.99 | 100.00% |

Project Committee No. 2 Solids (JBL)

| Agency | Own (lbs/d) | Own (%) | Budget (lbs/d) | Budget (%) | Month (lbs/d) | Month (%) | FY Avg to Date (lbs/d) | FY Avg to Date (%) |
|--------|-------------|---------|----------------|------------|---------------|-----------|------------------------|--------------------|
| CSJC | 11,572 | 30.00% | 8,620 | 33.30% | 4,694 | 21.55% | 4,464 | 19.10% |
| MNWD | 8,340 | 21.62% | 5,270 | 20.36% | 5,721 | 26.26% | 6,064 | 25.95% |
| SCWD | 7,715 | 20.00% | 5,304 | 20.49% | 4,318 | 19.82% | 5,035 | 21.54% |
| SMWD | 10,946 | 28.38% | 6,695 | 25.86% | 7,053 | 32.37% | 7,808 | 33.41% |
| Total | 38,573 | 100.00% | 25,889 | 100.00% | 21,786 | 100.00% | 23,371 | 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% | 3.00 | 17.13% | 1.92 | 21.04% | | |
| CSJC | 11.08% | 3.83 | 21.87% | 2.00 | 21.89% | 2.00 | 29.53% |
| MNWD | 15.51% | 2.42 | 13.82% | 1.40 | 15.35% | 1.40 | 20.71% |
| SCWD | 12.47% | 2.67 | 15.25% | 1.67 | 18.30% | 1.66 | 24.54% |
| SMWD | 44.32% | 5.59 | 31.92% | 2.14 | 23.42% | 1.71 | 25.22% |
| Total | 100.00% | 17.51 | 100.00% | 9.12 | 0.00% | 6.76 | 100.00% |

(1) Influent billing meter summary:

- a. CSJC is metered for two weeks of each month to determine the monthly flow.
The area velocity metering system in the collection system has an accuracy of +/- 20%.
 - b. MNWD is assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur they are estimated.
 - c. SCWD is the summation of the DPSD and Victoria PS meters.
The two metering systems have an accuracy of +/- 10%.
 - d. The Oso Trabuco sewer is metered for two weeks of each month to determine the monthly flow.
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%.
- Source: Cost Allocation Methodology for Project Committees, Dudek Engineering 2012.

SOCWA Operational Report October, 2016 (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 | 1.900 | 17.10% | | |
| CSJC | 2.146 | 19.31% | 1.98 | 28.40% |
| MNWD | 1.766 | 15.89% | 1.45 | 20.74% |
| SCWD | 1.687 | 15.18% | 1.68 | 24.10% |
| SMWD | 3.616 | 32.53% | 1.87 | 26.76% |
| Total | 11.115 | 100.00% | 6.99 | 100.00% |

Project Committee No. 15 (CTP)

| Agency | Own (mgd) | Own (%) | Budget (mgd) | Budget (%) | Month (mgd) | Month (%) | FY Avg to Date (mgd) | FY Avg to Date (%) |
|--------|-----------|---------|--------------|------------|-------------|-----------|----------------------|--------------------|
| CLB | 2.54 | 37.91% | 1.960 | 60.61% | 1.695 | 59.07% | 1.780 | 57.63% |
| EBS | 0.20 | 2.99% | 0.061 | 1.89% | 0.039 | 1.35% | 0.050 | 1.62% |
| SCWD | 2.00 | 29.85% | 1.213 | 37.51% | 1.136 | 39.58% | 1.259 | 40.74% |
| MNWD | 1.96 | 29.25% | 0.000 | 0.00% | 0.000 | 0.00% | 0.000 | 0.00% |
| Total | 6.70 | 100.00% | 3.234 | 100.00% | 2.869 | 100.00% | 3.089 | 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 | 0.01408 | 0.167% | 0.0000 | 0.0099 | 0.0099 | 0.13% | 0.0118 | 0.15% |
| EBS | 0.00044 | 0.005% | 0.0000 | 0.0002 | 0.0002 | 0.00% | 0.0003 | 0.00% |
| SCWD | 0.00871 | 0.103% | 0.0000 | 0.0066 | 0.0066 | 0.09% | 0.0084 | 0.11% |
| ETWD | 0.01719 | 0.204% | 0.0000 | 0.0121 | 0.0121 | 0.16% | 0.0130 | 0.17% |
| MNWD | 8.40541 | 99.521% | 7.5029 | 0.0579 | 7.5608 | 99.62% | 7.6291 | 99.56% |
| Total | 8.44583 | 100.000% | 7.5029 | 0.0867 | 7.5896 | 100.00% | 7.6626 | 100.00% |

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

SOCWA Operational Report October, 2016 (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% | 4,728 | 12.95% | 128,939 | 11.39% | 142,806 | 12.29% |
| EBSD | 295 | 0.59% | 147 | 0.40% | 2,948 | 0.26% | 4,042 | 0.35% |
| SCWD | 4,480 | 8.96% | 2,926 | 8.02% | 86,406 | 7.63% | 101,051 | 8.70% |
| ETWD | 10,200 | 20.41% | 5,903 | 16.17% | 157,861 | 13.94% | 157,810 | 13.58% |
| MNWD | 29,395 | 58.82% | 22,801 | 62.46% | 756,044 | 66.78% | 756,268 | 65.08% |
| Total | 49,975 | 100.00% | 36,505 | 100.00% | 1,132,197 | 100.00% | 1,161,977 | 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% | 1.49 | 13.32% | 1.695 | 22.40% | 1.780 | 28.12% |
| EBSD | 0.780% | 0.06 | 0.54% | 0.039 | 0.51% | 0.050 | 0.79% |
| ETWD | 16.302% | 2.89 | 25.83% | 2.358 | 31.17% | 1.781 | 28.13% |
| IRWD | 15.760% | 2.62 | 23.41% | 0.855 | 11.30% | 1.274 | 20.12% |
| MNWD | 43.848% | 2.96 | 26.45% | 1.856 | 24.53% | 1.122 | 17.72% |
| SCWD | 12.310% | 1.17 | 10.46% | 0.764 | 10.09% | 0.324 | 5.11% |
| Total | 100.000% | 11.19 | 100.00% | 7.567 | 0.00% | 6.331 | 100.00% |

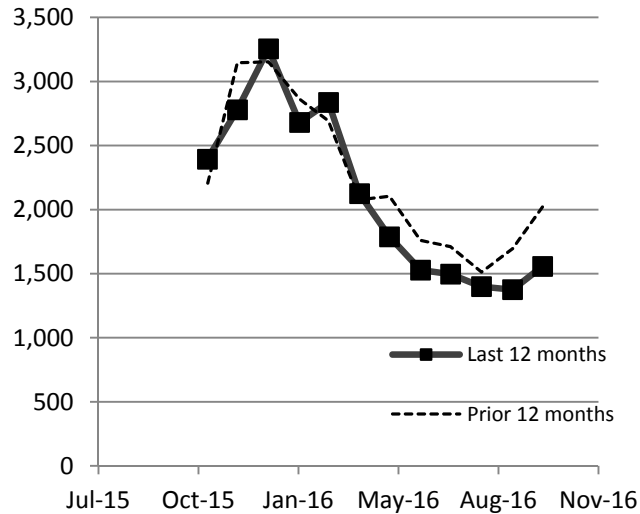
SOCWA Ocean Outfall Discharges by Agency

SOCWA Outfall Discharge Report October, 2016

| Agency | SJCOO (mgd) | SJCOO (%) | ACOO (mgd) | ACOO (%) | Total (mgd) |
|----------------------------------|-------------|----------------|-------------|----------------|--------------|
| CLB | | | 1.69 | 22.40% | 1.69 |
| EBSD | | | 0.04 | 0.51% | 0.04 |
| SCWD | 1.67 | 18.30% | 0.76 | 10.09% | 2.43 |
| MNWD | 1.40 | 15.35% | 1.86 | 24.53% | 3.26 |
| ETWD | | | 2.36 | 31.17% | 2.36 |
| CSJC | 2.00 | 21.89% | | | 2.00 |
| SMWD | 2.14 | 23.42% | | | 2.14 |
| CSC | 1.92 | 21.04% | | | 1.92 |
| IRWD | | | 0.86 | 11.30% | 0.86 |
| Total | 9.12 | 100.00% | 7.57 | 100.00% | 16.69 |
| or Acre-Feet per year equivalent | | | | | 18,688 |

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

| | |
|--------------|---------------|
| Oct-16 | 1,557 |
| Sep-16 | 1,376 |
| Aug-16 | 1,399 |
| Jul-16 | 1,496 |
| Jun-16 | 1,528 |
| May-16 | 1,788 |
| Apr-16 | 2,125 |
| Mar-16 | 2,837 |
| Feb-16 | 2,681 |
| Jan-16 | 3,255 |
| Dec-15 | 2,780 |
| Nov-15 | 2,394 |
| Total | 25,216 |



Beach Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

October 2016

| DATE | IRWD LOS ALISOS WRP | | | | EL TORO WRP | | | | SOCWA REGIONAL PLANT | | | | SOCWA COASTAL PLANT | | | | IRWD IDP | IRWD SGU | SCWD ACWRF | ACOO FLOW | Rain Fall inches |
|----------|------------------------|------|------|------|-------------|------|------|------|-------------------------|------|------|------|------------------------|------|------|------|-------------|-------------|---------------|--------------|------------------------|
| | FLOW | TSS | cBOD | SS | FLOW | TSS | cBOD | SS | FLOW | TSS | cBOD | SS | FLOW | TSS | cBOD | SS | FLOW | FLOW | FLOW | MGD | |
| | MGD | mg/L | mg/L | ml/L | MGD | mg/L | mg/L | ml/L | MGD | mg/L | mg/L | ml/L | MGD | mg/L | mg/L | ml/L | MGD | MGD | MGD | MGD | |
| 10/01/16 | No Flow | | | | 2.111 | 10.4 | 5.4 | <0.1 | 0.010 | | | | 2.062 | | | | 0.425 | 0.217 | 0.102 | 4.285 | |
| 10/02/16 | No Flow | | | | 1.826 | 12.6 | 2.9 | <0.1 | 0.000 | 7.3 | | <0.1 | 2.246 | 15.7 | 11.0 | | 0.425 | 0.568 | 0.091 | 4.163 | |
| 10/03/16 | No Flow | | | | 1.927 | 11.0 | 3.6 | <0.1 | 2.650 | 6.3 | 4.0 | <0.1 | 2.492 | 7.3 | 8.0 | <0.1 | 0.425 | 0.573 | 0.103 | 7.172 | |
| 10/04/16 | No Flow | | | | 2.556 | 18.2 | 4.9 | <0.1 | 0.760 | 5.0 | 2.0 | 0.1 | 2.077 | 6.1 | 6.0 | 0.2 | 0.426 | 0.006 | 0.110 | 5.503 | |
| 10/05/16 | No Flow | | | | 2.192 | 15.6 | 3.8 | <0.1 | 0.070 | 4.5 | 3.0 | 0.1 | 1.906 | 7.7 | 8.0 | <0.1 | 0.407 | 0.000 | 0.105 | 4.273 | |
| 10/06/16 | No Flow | | | | 1.592 | 17.2 | 6.7 | <0.1 | 0.050 | 5.7 | 2.0 | 0.1 | 2.292 | 3.7 | 6.0 | 0.1 | 0.425 | 0.001 | 0.091 | 4.025 | |
| 10/07/16 | No Flow | | | | 1.052 | 13.6 | 4.9 | <0.1 | 0.010 | 1.4 | 2.8 | 0.1 | 1.926 | 1.1 | 6.7 | 0.1 | 0.425 | 0.000 | 0.100 | 3.088 | |
| 10/08/16 | No Flow | | | | 2.056 | 15.2 | 8.1 | <0.1 | 0.020 | | | | 1.922 | | | | 0.425 | 0.000 | 0.114 | 4.112 | |
| 10/09/16 | No Flow | | | | 1.687 | 14.8 | 5.7 | <0.1 | 0.230 | 3.3 | 5.0 | <0.1 | 2.333 | 25.8 | 10.0 | | 0.425 | 0.000 | 0.097 | 4.347 | |
| 10/10/16 | No Flow | | | | 2.050 | 13.8 | 5.3 | <0.1 | 3.190 | 4.3 | 3.0 | <0.1 | 3.143 | 5.4 | 6.0 | <0.1 | 0.426 | 0.000 | 0.104 | 8.487 | |
| 10/11/16 | No Flow | | | | 2.200 | 11.2 | 4.0 | <0.1 | 0.780 | 4.7 | 2.0 | 0.1 | 1.687 | 4.2 | 4.0 | 0.1 | 0.425 | 0.000 | 0.102 | 4.769 | |
| 10/12/16 | No Flow | | | | 1.998 | 12.2 | 3.4 | <0.1 | 0.030 | 4.2 | 5.0 | <0.1 | 2.169 | 2.6 | 5.0 | <0.1 | 0.427 | 0.000 | 0.097 | 4.294 | |
| 10/13/16 | No Flow | | | | 1.637 | 31.0 | 8.7 | <0.1 | 0.040 | 3.7 | 3.0 | 0.1 | 2.193 | 4.8 | 5.0 | <0.1 | 0.694 | 0.000 | 0.111 | 3.981 | |
| 10/14/16 | No Flow | | | | 1.785 | 12.6 | 3.8 | 0.1 | 0.700 | 3.2 | 2.0 | 0.1 | 2.902 | 3.6 | 5.0 | <0.1 | 0.852 | 0.000 | 0.096 | 5.483 | |
| 10/15/16 | No Flow | | | | 2.099 | 10.6 | 4.0 | <0.1 | 0.710 | | | | 2.357 | | | | 0.853 | 0.530 | 0.098 | 5.264 | |
| 10/16/16 | No Flow | | | | 1.209 | 11.4 | 3.8 | <0.1 | 1.090 | 3.3 | 2.0 | <0.1 | 2.625 | 10.8 | 9.0 | | 0.852 | 0.565 | 0.099 | 5.023 | 0.01 |
| 10/17/16 | No Flow | | | | 2.492 | 12.6 | 4.1 | <0.1 | 3.570 | 6.5 | 3.0 | 0.1 | 3.206 | 4.8 | 6.0 | <0.1 | 0.846 | 0.566 | 0.092 | 9.360 | 0.08 |
| 10/18/16 | No Flow | | | | 3.464 | 15.8 | 5.5 | <0.1 | 2.150 | 3.5 | 2.0 | <0.1 | 2.582 | 1.6 | 3.0 | 0.1 | 0.852 | 0.565 | 0.104 | 8.300 | 0.01 |
| 10/19/16 | No Flow | | | | 2.771 | 12.4 | 3.8 | <0.1 | 1.730 | 3.3 | 2.0 | 0.2 | 2.579 | 3.6 | 7.0 | <0.1 | 0.452 | 0.565 | 0.084 | 7.164 | |
| 10/20/16 | No Flow | | | | 2.114 | 12.6 | 4.4 | <0.1 | 3.000 | 2.5 | 1.0 | 0.1 | 3.065 | 2.5 | 5.0 | 0.1 | 0.349 | 0.610 | 0.098 | 8.277 | |
| 10/21/16 | No Flow | | | | 1.713 | 10.0 | 4.1 | <0.1 | 2.600 | 5.9 | 2.0 | 0.2 | 2.403 | 0.9 | 5.0 | 0.1 | 0.808 | 0.613 | 0.096 | 6.812 | |
| 10/22/16 | No Flow | | | | 2.109 | 10.4 | 5.0 | <0.1 | 2.280 | | | | 2.342 | | | | 0.808 | 0.613 | 0.109 | 6.840 | |
| 10/23/16 | No Flow | | | | 2.438 | 28.8 | 6.0 | <0.1 | 1.790 | 11.6 | 4.0 | <0.1 | 2.481 | 9.1 | 10.0 | | 0.854 | 0.612 | 0.085 | 6.794 | 0.04 |
| 10/24/16 | No Flow | | | | 3.355 | 8.2 | 3.7 | <0.1 | 3.330 | 3.4 | 1.0 | 0.1 | 3.161 | 4.1 | 5.0 | <0.1 | 0.829 | 0.611 | 0.001 | 9.847 | 0.20 |
| 10/25/16 | No Flow | | | | 3.542 | 13.2 | 5.8 | <0.1 | 3.100 | 5.3 | 2.0 | 0.1 | 3.149 | 5.9 | 6.0 | 0.1 | 0.727 | 0.610 | 0.114 | 9.905 | 0.01 |
| 10/26/16 | No Flow | | | | 3.048 | 9.4 | 3.7 | <0.1 | 3.460 | 7.9 | 3.0 | 0.1 | 2.524 | 5.9 | 6.0 | 0.1 | 0.854 | 0.611 | 0.093 | 9.125 | 0.01 |
| 10/27/16 | No Flow | | | | 3.368 | 7.4 | 2.6 | <0.1 | 4.390 | 3.9 | <2.0 | 0.2 | 2.265 | 3.1 | 4.0 | 0.1 | 0.854 | 0.179 | 0.094 | 10.117 | |
| 10/28/16 | No Flow | | | | 3.554 | 8.4 | 3.3 | <0.1 | 3.840 | 3.4 | 1.0 | 0.1 | 2.823 | 9.7 | 8.0 | 0.1 | 0.855 | 0.000 | 0.100 | 10.317 | |
| 10/29/16 | No Flow | | | | 2.513 | 9.6 | 3.6 | <0.1 | 3.720 | | | | 2.669 | | | | 0.854 | 0.001 | 0.102 | 9.004 | |
| 10/30/16 | No Flow | | | | 2.916 | 7.0 | 4.2 | <0.1 | 4.050 | 4.0 | 2.0 | <0.1 | 3.100 | 7.3 | 6.0 | | 0.855 | 0.000 | 0.093 | 10.159 | 0.01 |
| 10/31/16 | No Flow | | | | 3.736 | 12.4 | 1.9 | <0.1 | 4.190 | 3.8 | 2.0 | <0.1 | 2.731 | 5.2 | 5.0 | <0.1 | 0.855 | 0.000 | 0.092 | 10.749 | |
| AVG | No Flow | | | | 2.358 | 13.2 | 4.5 | <0.1 | 1.856 | 4.7 | 2.5 | <0.1 | 2.497 | 6.2 | 6.4 | <0.1 | 0.645 | 0.278 | 0.096 | 6.808 | |
| TOTAL | No Flow | | | | 73.11 | | | | 57.54 | | | | 77.41 | | | | 19.99 | 8.62 | 2.977 | 211.04 | 0.37 |

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1 2016
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: high tide 1126

Weather: Partly Cloudy

COMMENTS:

| STA# | DATE | TIME | Total Coliform | Fecal Coliform | Entero-coccus | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 10/05/16 | 1055 | <20 | <20 | <3 | None | None | None | None | Green | 67 | Clear | | |
| S4 | 10/05/16 | 1025 | <20 | <20 | 2 | None | None | None | None | Green | | Clear | | |
| S5 | 10/05/16 | 1010 | <20 | <20 | 7 | None | None | None | None | Green | 67 | Clear | | |
| S6 | 10/05/16 | 950 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| WEST | 10/05/16 | 940 | 20 | <20 | 10 | None | None | None | None | Green | | Clear | | |
| S7 | 10/05/16 | 935 | <20 | <20 | 2 | None | None | None | None | Green | 68 | Clear | | |
| S8 | 10/05/16 | 915 | 30 | 30 | 20 | None | None | None | None | Green | | Clear | | |
| S9 | 10/05/16 | 910 | <20 | 20 | 8 | None | None | None | None | Green | | Clear | | |
| ACM1 | 10/05/16 | 904 | <20 | 9 | <3 | None | None | None | None | Green | | Clear | | |
| S10 | 10/05/16 | 855 | 30 | 80 | 3 | None | None | None | None | Green | 69 | Clear | | |
| S11 | 10/05/16 | 845 | <20 | 9 | 2 | None | None | None | None | Green | | Clear | | |
| S12 | 10/05/16 | 830 | 20 | <20 | <3 | None | None | None | None | Green | | Clear | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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: Overcast
 COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------------|----------------------------------|---------------------------------|--------------------|----------|-----------------|------|----------------|----------------|--------------------|-----------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 10/12/16 | 1140 | 40 | 20 | <3 | None | None | None | None | Green | 68 | Slightly Turbid | | |
| S4 | 10/12/16 | 1125 | <20 | <20 | 3 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 10/12/16 | 1110 | 30 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S6 | 10/12/16 | 0940 | <20 | <20 | 3 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 10/12/16 | 0935 | 10 | <20 | 3 | None | None | None | None | Green | | Slightly Turbid | | |
| S7 | 10/12/16 | 0930 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 10/12/16 | 0910 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 10/12/16 | 0855 | <20 | 20 | 7 | None | None | None | None | Green | | Slightly Turbid | | 20 |
| ACM1 | 10/12/16 | 0850 | <20 | 30 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| S10 | 10/12/16 | 0845 | <20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S11 | 10/12/16 | 0840 | <20 | 20 | 3 | None | None | None | None | Green | 63 | Slightly Turbid | | |
| S12 | 10/12/16 | 0835 | 10 | 20 | <4 | None | None | None | None | Green | | Slightly Turbid | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 0610

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 10/20/16 | 1000 | <20 | <20 | <3 | None | None | None | None | Green | 70 | Clear | | |
| S4 | 10/20/16 | 740 | 10 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S5 | 10/20/16 | 730 | 10 | 30 | 10 | None | None | None | None | Green | | Clear | | |
| S6 | 10/20/16 | 925 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| WEST | 10/20/16 | 920 | 20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S7 | 10/20/16 | 915 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S8 | 10/20/16 | 910 | <20 | <20 | <3 | None | None | None | None | Blue | | Clear | | |
| S9 | 10/20/16 | 900 | 90 | 50 | 2 | None | None | None | None | Green | | Clear | | |
| ACM1 | 10/20/16 | 850 | 150 | 70 | 3 | None | None | None | None | Green | | Clear | | |
| S10 | 10/20/16 | 830 | <20 | <20 | <3 | None | None | None | None | Green | | Clear | | |
| S11 | 10/20/16 | 820 | <20 | 10 | <3 | None | None | None | None | Green | | Clear | | |
| S12 | 10/20/16 | 815 | 10 | 10 | 2 | None | None | None | None | Green | | Clear | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 0725

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------------|----------------------------------|---------------------------------|--------------------|----------|-----------------|------|----------------|----------------|--------------------|-----------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 10/26/16 | 0945 | 20 | <20 | 3 | None | None | None | None | Green | 68 | Slightly Turbid | | |
| S4 | 10/26/16 | 0935 | 20 | 20 | 5 | None | None | None | None | Green | | Slightly Turbid | | |
| S5 | 10/26/16 | 0920 | 20 | <20 | 8 | None | None | None | None | Green | | Slightly Turbid | | |
| S6 | 10/26/16 | 0910 | 40 | <20 | 3 | None | None | None | None | Green | | Slightly Turbid | | |
| WEST | 10/26/16 | 0905 | 40 | <20 | 6 | None | None | None | None | Green | | | | |
| S7 | 10/26/16 | 0900 | 70 | 40 | 20 | None | None | None | None | Green | | Slightly Turbid | | |
| S8 | 10/26/16 | 0855 | 80 | 60 | 20 | None | None | None | None | Green | | Slightly Turbid | | |
| S9 | 10/26/16 | 0845 | 40 | 40 | 50 | None | None | None | None | Green | | Slightly Turbid | | |
| ACM1 | 10/26/16 | 0840 | 90 | 50 | 40 | None | None | None | None | Green | | Slightly Turbid | | |
| S10 | 10/26/16 | 0830 | 40 | 20 | 30 | None | None | None | None | Green | | Slightly Turbid | | |
| S11 | 10/26/16 | 0825 | 20 | <20 | <3 | None | None | None | None | Green | | Slightly Turbid | | |
| S12 | 10/26/16 | 0820 | 80 | 60 | 20 | None | None | None | None | Green | 64 | Slightly Turbid | | |

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

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 930

Weather: Partly Cloudy

COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S3 | 10/31/16 | 1030 | <20 | <20 | <3 | None | None | None | None | Green | 64 | Clear | | |
| S4 | 10/31/16 | 1010 | 200 | 100 | 200 | None | None | None | None | Green | | Clear | | |
| S5 | 10/31/16 | 955 | <20 | <20 | <30 | None | None | None | None | Green | | Clear | | |
| S6 | 10/31/16 | 940 | <20 | <20 | 30 | None | None | None | None | Green | | Clear | | |
| WEST | 10/31/16 | 935 | <20 | <20 | <30 | None | None | None | None | Green | 63 | Clear | | |
| S7 | 10/31/16 | 930 | <20 | <20 | 40 | None | None | None | None | Green | | Clear | | |
| S8 | 10/31/16 | 910 | 20 | 9 | 3 | None | None | None | None | Green | | Clear | | |
| S9 | 10/31/16 | 905 | <20 | 9 | 3 | None | None | None | None | Green | | Clear | | |
| ACM1 | 10/31/16 | 900 | 9 | 9 | <3 | None | None | None | None | Green | | Clear | | |
| S10 | 10/31/16 | 940 | <100 | <20 | 8 | None | None | None | None | Green | | Clear | | |
| S11 | 10/31/16 | 930 | <20 | <20 | 3 | None | None | None | None | Green | | Clear | | |
| S12 | 10/31/16 | 920 | 9 | 9 | 3 | None | None | None | None | Green | 62 | 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 ACOC |
| 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: October 2016

REPORT DUE: December 1, 2016

SAMPLE SOURCE: Receiving water, nearshore and offshore

EXACT SAMPLE POINTS: As specified in permit

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

REPORT FREQUENCY: Monthly

SAMPLING FREQUENCY: Monthly

TYPE OF SAMPLE: Grab

Comments: High Tide 1058

| Sta No. | Sample Depth | Sample Date | Total Coliform | Fecal Coliform | Enterococcus | Sample Time | Oil & Grease | Sewage Debris | 0 - None 1 - Mild 2 - Moderate 3 - Severe |
|---------|--------------|-------------|-------------------|-------------------|--------------------|-------------|--------------|---------------|--|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | CFU/100ml EPA 1600 | | | | |
| A-1 | Surface | 10/04/16 | 2 | <2 | <2 | 828 | 0 | 0 | |
| A-1 | Mid depth | 10/04/16 | 10 | <10 | <10 | | | | |
| A-2 | Surface | 10/04/16 | <2 | <2 | <2 | 748 | 0 | 0 | |
| A-2 | Mid depth | 10/04/16 | 10 | <10 | <10 | | | | |
| A-3 | Surface | 10/04/16 | <2 | <2 | <2 | 751 | 0 | 0 | |
| A-3 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| A-4 | Surface | 10/04/16 | <2 | <2 | <2 | 804 | 0 | 0 | |
| A-4 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| A-5 | Surface | 10/04/16 | <2 | <2 | <2 | 756 | 0 | 0 | |
| A-5 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| B-1 | Surface | 10/04/16 | <2 | <2 | <2 | 739 | 0 | 0 | |
| B-1 | Mid depth | 10/04/16 | 20 | 20 | <10 | | | | |
| B-2 | Surface | 10/04/16 | <2 | 2 | <2 | 810 | 0 | 0 | |
| B-2 | Mid depth | 10/04/16 | 30 | 20 | <10 | | | | |
| N1 | Surface | 10/04/16 | <2 | <2 | <2 | 828 | 0 | 0 | |
| N2 | Surface | 10/04/16 | <2 | <2 | <2 | 826 | 0 | 0 | |
| N3 | Surface | 10/04/16 | <2 | <2 | <2 | 824 | 0 | 0 | |
| N4 | Surface | 10/04/16 | <2 | 2 | <2 | 823 | 0 | 0 | |
| N5 | Surface | 10/04/16 | 2 | 4 | <2 | 822 | 0 | 0 | |
| N6 | Surface | 10/04/16 | 2 | <2 | <2 | 821 | 0 | 0 | |
| N7 | Surface | 10/04/16 | <2 | <2 | <2 | 820 | 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.

ACOO Permit Order No. R9-2012-0013

| Agency - Facility | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Potential Fine |
|-------------------|----------------|-------------|--------------------------|-------|--------------|----------------|----------------|
|-------------------|----------------|-------------|--------------------------|-------|--------------|----------------|----------------|

There were no water quality violations during this reporting period.

| Reporting Agency | Responsible Agency | Estimated Volume (Gallons) | Type of Discharge | Location/Comments | Receiving Waters | Date Reported To State | Date Resolved |
|------------------|--------------------|----------------------------|-------------------|--|------------------|------------------------|---------------|
| SCWD | SCWD | 19,200 | Recycled Water | Flow control valve off of a gravity line overfilled a feed tank for the Aliso Creek Water Harvesting Project. Immediately upon discovery a manual valve was closed and the tank overflow ceased. The tank overflow started at approximately 4:20a.m. and was discovered at 7:50a.m. The overflow was corrected by 8:00a.m. | Aliso Creek | 8/29/2016 by SCWD | 8/29/2016 |

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

October 2016

| DATE | J.B. LATHAM FACILITY | | | | SAN CLEMENTE WRP | | | | SMWD CHIQUITA WRP | | | | 3-A PLANT | | | | CSJC | SCWD | SJCOO | Rain |
|----------|----------------------|-------------|--------------|------------|------------------|-------------|--------------|------------|-------------------|-------------|--------------|------------|-------------|-------------|--------------|------------|-------------------------|-------------------------|-------------|----------------|
| | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | FLOW MGD | TSS mg/L | cBOD mg/L | SS ml/L | Desalter FLOW MGD | Desalter FLOW MGD | FLOW MGD | Fall inches |
| 10/01/16 | 6.380 | | | | 1.500 | | | | 0.020 | | | | 0.023 | | | | No Flow | No Flow | 7.660 | |
| 10/02/16 | 6.500 | 8.1 | 10.7 | | 1.892 | | | | 0.070 | | | | 0.026 | | | | No Flow | No Flow | 7.940 | |
| 10/03/16 | 6.520 | 10.9 | | 0.2 | 1.377 | 10.6 | 8.0 | <0.1 | 0.360 | 17.6 | 8.5 | <0.1 | 0.028 | 4.8 | 8.0 | 0.2 | No Flow | No Flow | 8.340 | |
| 10/04/16 | 6.670 | 9.0 | 12.1 | 0.2 | 1.702 | 9.8 | 7.0 | <0.1 | 0.430 | 8.4 | 9.3 | <0.1 | 0.027 | 5.6 | 9.0 | <0.1 | No Flow | No Flow | 8.490 | |
| 10/05/16 | 6.470 | 9.8 | 7.4 | <0.1 | 2.112 | 12.2 | 9.0 | <0.1 | 0.090 | 4.0 | 6.6 | 0.1 | 0.045 | 2.8 | 4.0 | 0.5 | No Flow | No Flow | 7.760 | |
| 10/06/16 | 6.300 | 9.9 | 7.7 | 0.3 | 1.429 | 8.5 | 7.0 | <0.1 | 0.120 | 5.2 | 4.8 | <0.1 | 0.026 | 6.0 | 5.0 | <0.1 | No Flow | No Flow | 7.860 | |
| 10/07/16 | 6.130 | 12.3 | 8.6 | 0.2 | 1.652 | 10.4 | 8.0 | <0.1 | 0.040 | 4.8 | 5.2 | <0.1 | 0.083 | 2.4 | 5.0 | <0.1 | No Flow | No Flow | 7.050 | |
| 10/08/16 | 6.170 | | | | 1.401 | | | | 0.020 | | | | 0.034 | | | | No Flow | No Flow | 7.570 | |
| 10/09/16 | 6.160 | 10.0 | 9.5 | | 1.288 | | | | 0.070 | | | | 0.019 | | | | No Flow | No Flow | 7.520 | |
| 10/10/16 | 6.080 | 12.5 | 11.0 | <0.1 | 1.955 | 8.2 | 7.0 | <0.1 | 0.120 | 23.6 | 9.2 | <0.1 | 0.043 | 5.2 | 8.0 | <0.1 | No Flow | No Flow | 7.510 | |
| 10/11/16 | 6.080 | 10.6 | 9.8 | 0.1 | 1.800 | 10.1 | 8.0 | <0.1 | 0.360 | 5.6 | 8.7 | <0.1 | 0.043 | 7.6 | 9.0 | <0.1 | No Flow | No Flow | 8.070 | |
| 10/12/16 | 6.170 | 10.6 | 8.7 | 0.2 | 1.890 | 8.3 | 7.0 | <0.1 | 0.020 | 3.6 | 8.5 | <0.1 | 0.022 | 10.8 | 6.0 | <0.1 | No Flow | No Flow | 7.680 | |
| 10/13/16 | 6.130 | 10.6 | 9.8 | <0.1 | 1.393 | 8.9 | 6.0 | <0.1 | 0.020 | 6.0 | 5.1 | 0.1 | 0.031 | 6.4 | 7.0 | <0.1 | No Flow | No Flow | 7.430 | |
| 10/14/16 | 6.080 | 7.1 | 7.8 | 0.1 | 1.812 | 6.6 | 5.0 | <0.1 | 0.160 | 6.4 | 6.5 | <0.1 | 0.053 | 7.2 | 7.0 | 0.2 | No Flow | No Flow | 7.820 | |
| 10/15/16 | 6.020 | | | | 1.709 | | | | 0.040 | | | | 0.030 | | | | No Flow | No Flow | 7.450 | |
| 10/16/16 | 6.260 | 6.1 | 9.8 | | 1.455 | | | | 0.610 | | | | 0.027 | | | | No Flow | No Flow | 8.270 | 0.01 |
| 10/17/16 | 6.260 | 10.5 | 9.6 | <0.1 | 2.667 | 7.6 | 7.0 | <0.1 | 1.060 | 21.6 | 9.8 | <0.1 | 0.102 | 6.8 | 8.0 | 0.1 | No Flow | No Flow | 9.460 | 0.08 |
| 10/18/16 | 5.930 | 11.2 | 6.0 | 0.2 | 2.095 | 9.0 | 7.0 | <0.1 | 0.810 | 6.4 | 9.0 | <0.1 | 0.065 | 13.6 | 9.0 | <0.1 | No Flow | No Flow | 8.920 | 0.01 |
| 10/19/16 | 5.800 | 9.3 | 5.0 | 0.1 | 2.238 | 11.5 | 8.0 | <0.1 | 0.530 | 6.8 | 5.7 | <0.1 | 0.094 | 2.0 | 8.0 | <0.1 | No Flow | No Flow | 9.190 | |
| 10/20/16 | 5.670 | 9.9 | 5.2 | 0.2 | 1.477 | 12.0 | 9.0 | <0.1 | 0.250 | 4.8 | 5.6 | <0.1 | 0.063 | 3.2 | 5.0 | <0.1 | No Flow | No Flow | 7.840 | |
| 10/21/16 | 5.510 | 11.2 | 8.4 | 0.2 | 2.683 | 9.4 | 8.0 | <0.1 | 0.030 | 1.6 | 5.1 | <0.1 | 0.105 | 4.0 | 6.0 | <0.1 | No Flow | No Flow | 7.900 | |
| 10/22/16 | 5.530 | | | | 2.201 | | | | 0.040 | | | | 0.120 | | | | No Flow | No Flow | 7.930 | |
| 10/23/16 | 5.640 | 8.6 | 8.2 | | 1.905 | | | | 0.060 | | | | 0.227 | | | | No Flow | No Flow | 7.660 | 0.04 |
| 10/24/16 | 5.740 | 12.1 | 8.6 | 0.1 | 2.461 | 8.3 | 8.0 | <0.1 | 0.600 | 32.8 | 9.2 | <0.1 | 0.214 | 6.4 | 9.0 | <0.1 | No Flow | No Flow | 8.980 | 0.20 |
| 10/25/16 | 6.100 | 46.8 | 8.0 | 0.2 | 1.624 | 8.9 | 6.0 | <0.1 | 1.670 | 8.0 | 10.4 | <0.1 | 0.043 | 10.8 | 9.0 | <0.1 | No Flow | No Flow | 8.800 | 0.01 |
| 10/26/16 | 5.980 | 11.7 | 7.2 | 0.1 | 1.790 | 7.4 | 6.0 | <0.1 | 1.930 | 8.4 | 9.0 | <0.1 | 1.219 | 5.6 | 6.0 | 0.2 | No Flow | 0.297 | 11.790 | 0.01 |
| 10/27/16 | 6.090 | 8.1 | 7.2 | <0.1 | 2.500 | 9.0 | 7.0 | <0.1 | 0.720 | 16.0 | 10.8 | <0.1 | 1.311 | 8.0 | 5.0 | 0.4 | No Flow | No Flow | 11.140 | |
| 10/28/16 | 6.880 | 10.0 | 6.8 | 0.1 | 1.993 | 10.8 | 7.0 | <0.1 | 0.670 | 8.0 | 8.6 | <0.1 | 1.622 | 6.0 | 5.0 | 0.4 | No Flow | No Flow | 10.940 | |
| 10/29/16 | 6.500 | | | | 2.113 | | | | 0.700 | | | | 1.530 | | | | No Flow | No Flow | 10.880 | |
| 10/30/16 | 6.680 | 11.4 | 9.8 | | 2.648 | | | | 0.910 | | | | 1.632 | | | | No Flow | No Flow | 12.120 | 0.01 |
| 10/31/16 | 6.670 | 11.5 | 7.8 | <0.1 | 2.702 | 8.2 | 7.0 | <0.1 | 0.830 | 9.2 | 9.5 | <0.1 | 1.810 | 15.2 | 9.0 | 1.8 | No Flow | No Flow | 12.100 | |
| AVG | 6.165 | 11.5 | 8.4 | <0.1 | 1.918 | 9.3 | 7.2 | <0.1 | 0.431 | 9.9 | 7.9 | <0.1 | 0.346 | 6.7 | 7.0 | <0.2 | 0.000 | No Flow | 8.712 | |
| TOTAL | 191.100 | | | | 59.464 | | | | 13.360 | | | | 10.717 | | | | 0.000 | 0.297 | 270.070 | 0.37 |

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 1032

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | Fecal Coliform | Entero-coccus | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S0 | 10/03/16 | 833 | <40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | 2 |
| S1 | 10/03/16 | 840 | <40 | <40 | 20 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 10/03/16 | 821 | 20 | 20 | <40 | None | None | None | None | Green | 68 | Slightly Turbid | | |
| DSB5 | 10/03/16 | 807 | <40 | 40 | 20 | None | None | None | None | Brown | 68 | Slightly Turbid | | 1 |
| S3 | 10/03/16 | 847 | 20 | <40 | <40 | None | None | None | None | Green | | Slightly Turbid | | 10 |
| DSB4 | 10/03/16 | 848 | <40 | <40 | <40 | None | None | None | None | Green | 68 | Slightly Turbid | | |
| S5 | 10/03/16 | 855 | <30 | <30 | <30 | None | None | None | None | Green | 69 | Slightly Turbid | | |
| DSB1 | 10/03/16 | 904 | <40 | <40 | <40 | None | None | None | None | Green | | Slightly Turbid | | |
| SJC1 | 10/03/16 | 829 | 40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | 2 |

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

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 0615

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total Coliform | Fecal Coliform | Enterococcus | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S0 | 10/10/16 | 840 | <40 | <40 | <40 | None | None | None | None | Brown | 68 | Turbid | | |
| S1 | 10/10/16 | 900 | <40 | 40 | <40 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 10/10/16 | 830 | 40 | 40 | <40 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB5 | 10/10/16 | 825 | 70 | <40 | 40 | None | None | None | None | Brown | 67 | Turbid | | |
| S3 | 10/10/16 | 910 | 40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | |
| DSB4 | 10/10/16 | 905 | 40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | |
| S5 | 10/10/16 | 920 | <40 | <40 | <40 | None | None | None | None | Brown | 69 | Turbid | | |
| DSB1 | 10/10/16 | 925 | 40 | <40 | <40 | None | None | None | None | Brown | | Turbid | | |
| C1 | 10/10/16 | 835 | 240 | <100 | <10 | None | None | None | None | Brown | | Turbid | | |

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 1043

Weather: Partly Cloudy

COMMENTS:

| STA# | DATE | TIME | Total Coliform | Fecal Coliform | Entero-coccus | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|-------------------|-------------------|--------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | CFU/100ml SM9222B | CFU/100ml SM9222D | CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S0 | 10/18/16 | 825 | 40 | 40 | 20 | None | None | None | None | Green | 65 | Turbid | | |
| S1 | 10/18/16 | 830 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| S2 | 10/18/16 | 810 | <40 | <40 | 20 | None | None | None | None | Green | | Turbid | | |
| DSB5 | 10/18/16 | 800 | >=100 | 200 | 640 | None | None | None | None | Brown | | Turbid | | |
| S3 | 10/18/16 | 835 | <40 | <40 | 70 | None | None | None | None | Green | 66 | Turbid | | |
| DSB4 | 10/18/16 | 840 | 40 | 20 | <40 | None | None | None | None | Green | | Turbid | | |
| S5 | 10/18/16 | 850 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| DSB1 | 10/18/16 | 859 | <40 | <40 | <40 | None | None | None | None | Green | 67 | Turbid | | |
| C1 | 10/18/16 | 820 | 100 | 200 | 50 | None | None | None | None | Green | | Turbid | | |

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 0655

Weather: Clear

COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S0 | 10/25/16 | 0820 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| S1 | 10/25/16 | 0825 | 40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| S2 | 10/25/16 | 0807 | 50 | 100 | 70 | None | None | None | None | Green | 65 | Turbid | | |
| DSB5 | 10/25/16 | 0750 | <40 | <40 | 90 | None | None | None | None | Green | | Turbid | | |
| S3 | 10/25/16 | 0830 | <40 | <40 | 40 | None | None | None | None | Green | | Turbid | | |
| DSB4 | 10/25/16 | 0830 | 40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| S5 | 10/25/16 | 0836 | <40 | <40 | <40 | None | None | None | None | Green | | Turbid | | |
| DSB1 | 10/25/16 | 0840 | <40 | <40 | <40 | None | None | None | None | Green | 65 | Turbid | | |
| C1 | 10/25/16 | 0820 | 100 | 200 | 40 | None | None | None | None | Green | | Turbid | | |

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

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2016
 REPORT DUE: December 1, 2016
 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 0930

Weather: Partly Cloudy

COMMENTS:

| STA# | DATE | TIME | Total | Fecal | Entero- | Material of Sewage | | Oil & Grease | Odor | Water Color | H2O Temp(F) | Water Condition | Water Outlet | Birds |
|------|----------|------|----------------------------|----------------------------|---------------------------|--------------------|----------|--------------|------|-------------|-------------|-----------------|--------------|-------|
| | | | Coliform CFU/100ml SM9222B | Coliform CFU/100ml SM9222D | coccus CFU/100ml EPA 1600 | Onshore | Offshore | | | | | | | |
| S0 | 10/31/16 | 836 | 20 | 30 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| S1 | 10/31/16 | 842 | 100 | 40 | <40 | None | None | None | None | Green | | Slightly Turbid | | |
| S2 | 10/31/16 | 825 | 200 | 40 | <40 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| DSB5 | 10/31/16 | 808 | 40 | <40 | <40 | None | None | None | None | Green | | Slightly Turbid | | |
| S3 | 10/31/16 | 845 | 100 | 40 | <40 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| DSB4 | 10/31/16 | 850 | 200 | 10 | 10 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| S5 | 10/31/16 | 858 | 50 | 10 | 10 | None | None | None | None | Green | | Slightly Turbid | | |
| DSB1 | 10/31/16 | 904 | <40 | <40 | <40 | None | None | None | None | Green | 64 | Slightly Turbid | | |
| C1 | 10/31/16 | 827 | 40 | <40 | 200 | None | None | None | None | Green | 64 | Slightly Turbid | | |

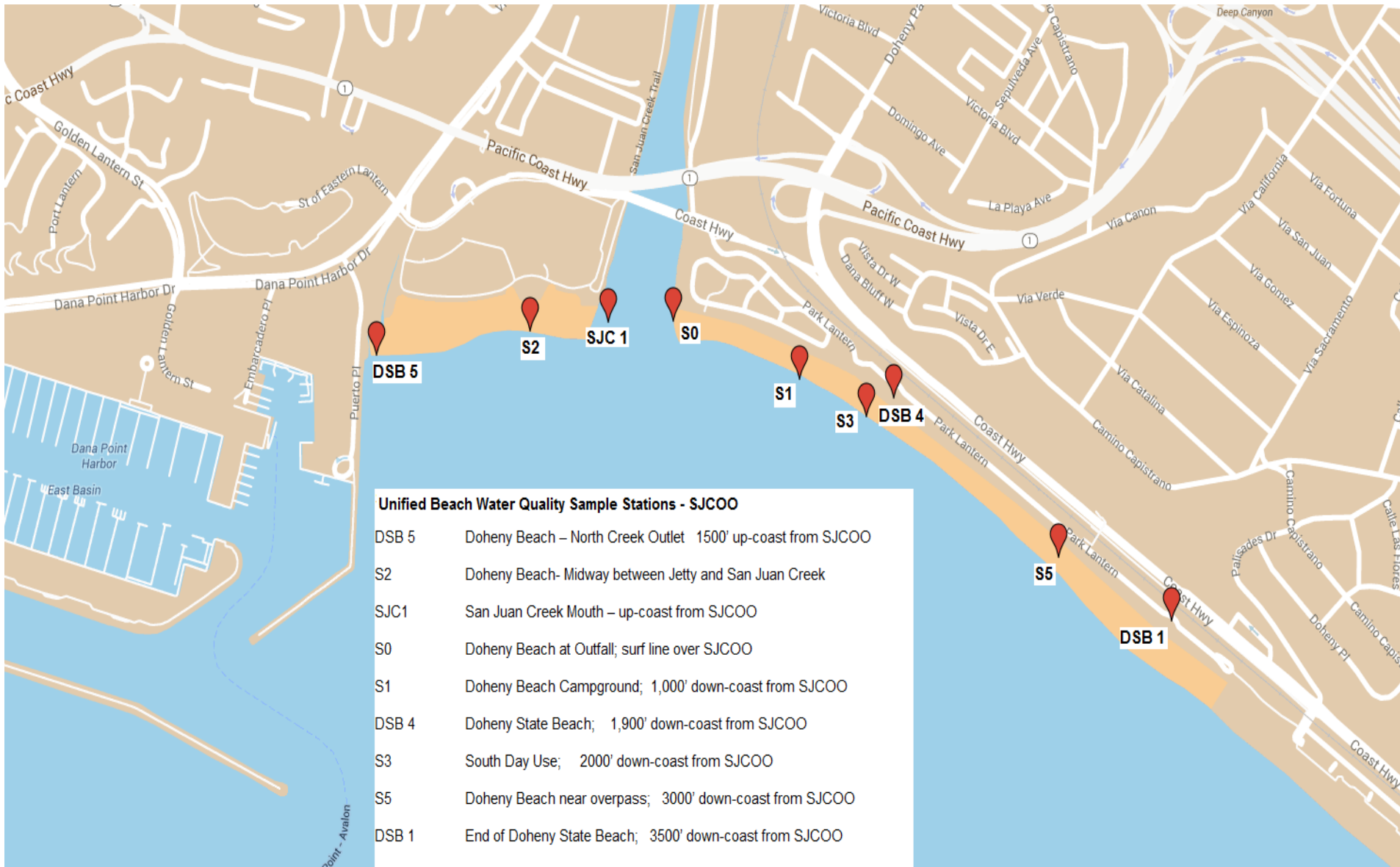
RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

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: October 2016

REPORT FREQUENCY: Monthly

REPORT DUE: December 1, 2016

SAMPLE SOURCE: Receiving water, nearshore and offshore

SAMPLING FREQUENCY: Monthly

EXACT SAMPLE POINTS: As specified in permit

TYPE OF SAMPLE: Grab

SAMPLES COLLECTED BY: Seaventures/SOCWA staff

SAMPLES ANALYZED BY: SOCWA Lab

Comments: High Tide 1058

| 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 | 10/04/16 | <2 | <2 | <2 | 928 | 0 | 0 | 0 - None |
| A-1 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | 1 - Mild |
| A-2 | Surface | 10/04/16 | <2 | <2 | <2 | 931 | 0 | 0 | 2 - Moderate |
| A-2 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | 3 - Severe |
| A-3 | Surface | 10/04/16 | <2 | <2 | <2 | 934 | 0 | 0 | |
| A-3 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| A-4 | Surface | 10/04/16 | <2 | <2 | <2 | 948 | 0 | 0 | |
| A-4 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| A-5 | Surface | 10/04/16 | <2 | <2 | <2 | 940 | 0 | 0 | |
| A-5 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| B-1 | Surface | 10/04/16 | <2 | <2 | <2 | 921 | 0 | 0 | |
| B-1 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| B-2 | Surface | 10/04/16 | <2 | <2 | <2 | 956 | 0 | 0 | |
| B-2 | Mid depth | 10/04/16 | <10 | <10 | <10 | | | | |
| N1 | Surface | 10/04/16 | <2 | <2 | <2 | 915 | 0 | 0 | |
| N2 | Surface | 10/04/16 | <2 | <2 | <2 | 910 | 0 | 0 | |
| N3 | Surface | 10/04/16 | <2 | <2 | <2 | 907 | 0 | 0 | |
| N4 | Surface | 10/04/16 | 4 | 2 | <2 | 905 | 0 | 0 | |
| N5 | Surface | 10/04/16 | <2 | <2 | <2 | 900 | 0 | 0 | |
| N6 | Surface | 10/04/16 | <2 | 2 | <2 | 858 | 0 | 0 | |

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

SJCOO Permit Order No. R9-2012-0012

| Agency | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Potential Fine |
|---|----------------|-------------|--------------------------|-------|--------------|----------------|----------------|
| <p>There were no violations during this period.</p> | | | | | | | |

| Reporting Agency | Responsible Agency | Estimated Volume (Gallons) | Type of Discharge | Location/Comments | Receiving Waters | Date Reported To State | Date Resolved |
|------------------|--------------------|----------------------------|-------------------|--|------------------|------------------------|---------------|
| | | | | There were no spills during this reporting period. | | | |

Recycled Water Report

Waste Discharge Requirement Order 97 - 52

| Agency - Facility | Violation Date | Constituent | Effluent Limit Violation | Units | Permit Limit | Reported Value | Remarks |
|---------------------|----------------|----------------|--------------------------|-----------|--------------|----------------|---|
| SCWD-CTP | 1/4/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 1/4/2016 | Manganese | Daily | mg/L | 0.06 | 0.07 | |
| SMWD - Chiquita WRP | 1/21/2016 | Total Coliform | Monitoring | MPN/100ml | Daily | None | Monitoring Violation |
| SOCWA - RTP | 2/11/2016 | Manganese | Daily | mg/L | 0.06 | 0.07 | |
| SOCWA - RTP | 2/11/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 2/9/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-3A | 2/9/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD - 3A | 2/9/2016 | Manganese | Daily | mg/L | 0.06 | 0.07 | |
| SOCWA - RTP | 3/1/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 3/1/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD-3A | 4/7/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD - Nichols | 4/7/2016 | TDS | Daily | mg/L | 1100 | 1110 | |
| SOCWA - RTP | 4/14/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 4/14/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 4/14/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SMWD - OCWRP | 4/24/2016 | Total Coliform | Monthly | MPN/100ml | 23 | 70 | Sample result on 4/3/16 was 49 & on 4/24/16 was 70, exceeding 23 in one month |
| SOCWA - RTP | 5/10/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 5/10/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 6/14/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 6/14/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 7/5/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 7/5/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 7/5/2016 | TDS | Daily | mg/L | 1100 | 1130 | |
| SMWD-3A | 7/22/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 8/2/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 8/2/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.05 | |
| SOCWA - RTP | 9/13/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 9/13/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.05 | |
| SOCWA - RTP | 9/13/2016 | TDS | 12-Month | mg/L | 1000 | 1041 | |
| SMWD-3A | 9/16/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SOCWA - RTP | 10/11/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.06 | |
| SCWD-CTP | 10/11/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.05 | |
| SOCWA - RTP | 10/11/2016 | TDS | 12-Month | mg/L | 1000 | 1034 | |
| SMWD-3A | 10/10/2016 | Manganese | 12-Month | mg/L | 0.05 | 0.05 | |

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Oct 31, 2016

| Constituent | Units | 12-month Avg Maximum Permit Limit | IRWD-LAWRP 12-month Average * | ETWD-WRP 12-month Average ** | TCWD 12-month Average | SMWD Oso 12-month Average | SMWD Chiquita 12-month Average | SMWD Nichols 12-month Average | MNWD-3A 12-month Average | MNWD-RTP 12-month Average | SCWD-CTP 12-month Average *** |
|----------------------|-------|---|--|---|-----------------------------|---------------------------------|--------------------------------------|-------------------------------------|--------------------------------|---------------------------------|--|
| TDS | mg/L | 1000 | 841 | 916 | 986 | 935 | 903 | 941 | 997 | 1,034 | 869 |
| Chloride | mg/L | 375 | 172 | 192 | 249 | 195 | 201 | 291 | 222 | 237 | 235 |
| Sulfate | mg/L | 400 | 252 | 233 | 279 | 295 | 283 | 285 | 300 | 323 | 297 |
| Sodium | mg/L | None | 157 | 160 | 200 | 153 | 140 | 227 | 173 | 183 | 173 |
| Alkalinity | mg/L | None | - | - | - | - | - | - | | 273 | 186 |
| Adjusted SAR | Ratio | None | 4.85 | - | 5.78 | 4.46 | 4.02 | 6.22 | 5.01 | 4.78 | 4.91 |
| Iron | mg/L | 0.3 | 0.014 | 0.000 | 0.037 | 0.137 | 0.120 | 0.137 | 0.19 | 0.277 | 0.130 |
| Manganese | mg/L | 0.05 | 0.017 | 0.000 | 0.012 | 0.021 | 0.034 | 0.027 | 0.060 | 0.063 | 0.048 |
| MBAS | mg/L | 0.5 | 0.06 | 0.00 | 0.06 | 0.23 | 0.23 | 0.23 | 0.23 | 0.07 | 0.07 |
| Boron | mg/L | 0.75 | 0.34 | 0.287 | 0.352 | 0.293 | 0.340 | 0.400 | 0.31 | 0.313 | 0.27 |
| Fluoride | mg/L | None | 0.70 | 1.750 | 0.27 | 1.063 | 0.88 | 1.40 | 0.99 | 0.84 | 0.84 |
| Total Organic Carbon | mg/L | None | 9.5 | - | 8.5 | 7.3 | 8.3 | 7.8 | 10.3 | 11.7 | 10.7 |

* 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 720 mg/L
Chloride 150 mg/L
Sulfate 240 mg/L

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

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

| Agency | Facility or Region | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | Dec-16 | Annual Totals |
|-------------------|-----------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------------|
| CSJC ¹ | 3-A Plant/MNWD | 0.00 | 1.82 | 6.76 | 23.86 | 28.38 | 26.04 | 12.92 | 19.0 | 26.64 | 11.35 | | | 156.75 |
| CSJC ² | Chiquita/SMWD | 8.53 | 16.14 | 16.23 | 21.95 | 22.83 | 25.94 | 27.60 | 24.50 | 22.90 | 22.20 | | | 208.82 |
| CSJC ³ | Non-Domestic Well | 0.88 | 0.38 | 2.41 | 0.27 | 0.00 | 20.48 | 48.18 | 57.60 | 10.50 | 21.61 | | | 162.31 |
| ETWD | Region 8 | 23.42 | 55.08 | 52.33 | 105.24 | 133.64 | 172.45 | 195.68 | 197.92 | 168.12 | 221.64 | | | 1325.52 |
| IRWD | | | | | | | | | | | | | | |
| | ⁴ IRWD - 8 | 11.00 | 43.30 | 37.20 | 95.60 | 84.80 | 98.50 | 111.30 | 120.60 | 106.40 | 82.30 | | | 791.00 |
| | ⁴ IRWD - 9 | 8.80 | 33.60 | 31.30 | 59.20 | 62.40 | 88.10 | 104.40 | 111.80 | 71.00 | 36.70 | | | 607.30 |
| SCWD | SOCWA CTP | 35.37 | 76.63 | 47.88 | 94.72 | 112.39 | 122.75 | 170.09 | 148.65 | 93.08 | 72.95 | | | 974.51 |
| MNWD | JRP | 103.73 | 233.36 | 250.70 | 470.52 | 536.66 | 630.13 | 584.56 | 683.78 | 627.16 | 537.21 | | | 4657.81 |
| | 3-A Plant | 0.00 | 38.94 | 0.00 | 126.06 | 171.24 | 178.12 | 185.33 | 172.48 | 174.92 | 144.32 | | | 1191.41 |
| | ⁵ CTP | -0.43 | 14.22 | -1.88 | 5.04 | 3.09 | 6.45 | 25.37 | 10.31 | -16.96 | -11.56 | | | 33.65 |
| SMWD | Oso Creek | 158.48 | 107.56 | 138.93 | 143.01 | 140.89 | 131.78 | 150.50 | 147.09 | 143.66 | 141.63 | | | 1403.53 |
| | Chiquita | 66.20 | 269.51 | 240.11 | 388.28 | 380.84 | 459.30 | 502.25 | 516.80 | 490.07 | 487.92 | | | 3801.28 |
| | Nichols | 0.00 | 1.47 | 1.58 | 1.45 | 1.60 | 1.81 | 2.09 | 2.02 | 1.90 | 2.00 | | | 15.92 |
| TCWD | RRWRP | 53.49 | 48.18 | 52.36 | 48.80 | 52.35 | 50.10 | 45.24 | 51.80 | 48.69 | 50.79 | | | 501.80 |
| | | | | | | | | | | | | | | |
| TOTALS | | 461.37 | 908.01 | 854.80 | 1533.15 | 1676.81 | 1953.52 | 2099.62 | 2210.54 | 1935.50 | 1799.07 | 0.00 | 0.00 | 15432.39 |

¹ Denotes transfer of recycled water from MNWD (3A Plant) for use in the CSJC service area. Not counted as additional production.

² Denotes recycled water purchased from SMWD Chiquita-WRP used in the CSJC service area. Not counted as additional production.

³ Denotes nondomestic groundwater produced from wells used for landscape irrigation.

⁴ IRWD production is from recycled water production, nonpotable water wells, and surface water impoundments

⁵ Denotes transfer of recycled water from SCWD (SOCWA CTP) for use in the MNWD service area. Not counted as additional production.

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

NR = No Report

Pretreatment Report

Agenda Item

Legal Counsel Review: N/A

Meeting Date: December 8, 2016

TO: SOCWA Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Katie Greenwood, Source Control Manager
SUBJECT: Monthly Pretreatment Report, October and November 2016
San Juan Creek Ocean Outfall
NPDES Permit #CA0107417 Order #R9-2012-0012
Aliso Creek Ocean Outfall
NPDES Permit #CA0107611 Order #R9-2012-0013

Summary of Program Activities

SOCWA Staff continues to utilize the CA Manufactures Directory to perform industrial waste surveys and identify potential industry requiring a permit to discharge wastewater.

- Federal pretreatment regulations require SOCWA conduct an annual Industrial Waste Survey of its entire jurisdiction to identify new industry. SOCWA manages a running IU Survey list/spreadsheet of all identified commercial and industrial businesses located in each Member Agency's (MA's) jurisdiction. Each MA IU Survey list is updated as often as possible. **SMWD, MNWD, IRWD** and **ETWD** frequently send SOCWA copies of "Will Serve" notices which describe new business and whether or not a grease interceptor is required. SOCWA would like to set-up similar procedures with the **CSC, CSJC, CLB** and **SCWD** in the very near future. SOCWA also maintains a subscription to an online database called the California Manufacturers Directory through which potential new industry may be sorted by zip code, standard industrial classification (SIC) code, and number of people employed. This sorted list may then be cross referenced with each MA IU Survey list to identify IU sites which have not been surveyed and may need to be.

SOCWA Staff finished conducting annual site inspections and monitoring/sampling of all SIU/CIU's in the SOCWA service area. This is a required activity of the SOCWA approved pretreatment program and has to be completed by December 31, 2016. The information and data obtained from these required activities will be incorporated into the SOCWA Pretreatment Annual Report.

SOCWA Staff has provided MAs with the required reporting forms to assist in the production of the annual pretreatment report. Influent and effluent data from each of the treatment plants and the narrative portion of the report will be submitted electronically to the State. The annual pretreatment report is due to the State Water Board via electronic reporting by March 1, 2016. Staff has begun to work on the draft of the narrative portion of the annual electronic pretreatment report. As of November 22, 2016:

- SOCWA completed the annual influent/effluent sampling at JBL, CTP, and RTP treatment plants and is in the process of reviewing and transferring the data to the Hach Water Information Management System (WIMS) database.
- CSC has completed its annual influent/effluent sampling at its WRP and has submitted the results to SOCWA for review.
- ETWD completed its annual influent/effluent sampling on October 12, 2016 and SOCWA is waiting to receive the analytical result for review.

- SMWD completed the annual influent/effluent sampling at Oso Creek, Chiquita, and 3A treatment plants during the week of October 10, 2016. SOCWA is waiting to receive the analytical results for review.
- IRWD completed its annual influent/effluent sampling of the Los Alisos WRP and submitted results to SOCWA for review on October 14, 2016.

Inspection Related Activities

SOCWA Staff conducted the following inspections and sampling events on the following date:

- SMWD – Applied Medical WD Permit 1-003, November 9, 2016 - inspected/sampled
- SMWD – Applied Medical WD Permit 1-004, November 9, 2016 - inspected/sampled
- CLB–Nuisance Special Wastewater Discharge (NSWD) Permit N4-001, November 15, 2016, sampled at CTP HWs.
- EBSD-NSWD Permit N4-001, November 16, 2016, sampled at wet well to which four diversion sites flow.

Permit Related Activities

The following permits were issued or are in the process of being drafted for issuance:

SCWD-N4-006-09-16 – Nuisance Water Special Wastewater Diversion Permit (NSWD) for Headlands Reserves (Baby Beach) – **City of Dana Point and SOCWA are waiting on SCWD to provide an amended Diversion Agreement. The current permit expired at the end of September 2016.** SOCWA Staff has prepared a new draft permit which reflects Dana Point as the responsible party. City of Dana Point took over operation and maintenance of the diversion site from Headlands Reserves as of August 1, 2016.

- In anticipation of a rain event, the diversion was closed on September 19th. Since Permit language states that the diversion is to be closed from October 15th through April 15th each year, City of Dana Point decided to keep the diversion closed for the rest of the season.

SCWD–N4-007-09-16 – NSWD for Montage Resorts – **Montage Resorts and SOCWA are waiting on SCWD to provide an amended Diversion Agreement. The current permit expired at the end of September 2016.** SOCWA Staff has prepared a draft renewal permit in anticipation of the new agreement.

SCWD-N4-009-11-16 – NSWD for City of Dana Point Headlands – **City of Dana Point and SOCWA are waiting on SCWD to provide an amended Diversion Agreement. The current permit expired on** November 20, 2016. The permit will continue to allow storm drain nuisance water from three areas to be discharged to the sanitary sewer year round. The diversions are required to be closed in accordance with the diversion deactivation protocol and after receiving the 1/10” of any storm event.

CSC-2-008 – SDG&E – SOCWA Staff has prepared a draft Special Wastewater Discharge (SWD) Permit for review to allow for the discharge of water accumulated in and collected from utility vaults within the jurisdiction of the CSC. The permit is on hold until requested information associated with the permit application is provided.

SOCWA-4-005 – SMWD - Lake Mission Viejo Project – Staff has prepared a SWD Permit to allow for the discharge of treated lake water, reject (brine and backwash) water and neutralized cleaning in place (CIP) (from RO, ultrafiltration, and ion exchange treatment) water to the Oso Trabuco sewer trunkline. The draft permit is currently being reviewed by MNWD, SOCWA Staff is waiting to receive comments.

IRWD-1-001 – Dynacast –SOCWA Staff modified the existing WD Permit on September 23, 2016 to reclassify the industry as a Non-Significant Categorical Industrial User (NSCIU) and to include treated oily mop wastewater as a secondary batch wastewater discharge. The new classification allows for a discharge of no more than 100 gpd of wastewater considered categorical wastewater subject only to SOCWA’s local limits. Facility procedures for separating and treating the mop wastewater are being refined and as of November 22, 2016, no mop wastewater has been discharged to the sewer from the facility.

Summary of Enforcement Events

SOCWA (MNWD/SMWD) - SOCWA Staff issued a warning notice of non-compliance (WNON) to Alliance Residential Builders on November 2, 2016 for failing sample for and measure all permit required constituents in September (data reported in October). Enforcement was escalated and a NON was issued on November 21, 2016 for again failing to sample and measure all permit required constituents in October (data reported in November) and for failing to submit a flow log (for October) in self-monitoring report (SMR) package.

**Summary of Activities and Types of IUs in the SOCWA Service Area.
YTD through November 22, 2016.**

| <u>MA</u> | | <u>Events</u> | <u>Permit</u> | <u>NIWD</u> | <u>BMP</u> | <u>FSE</u> | <u>OSE</u> | <u>Closed</u> | <u>Enforcement</u> | <u># of IUs</u> |
|------------------------|-----|---------------|---------------|-------------|------------|-------------|-------------|---------------|--------------------|-----------------|
| CLB | (S) | 2 | 3 | 2 | 5 | 8 | 110 | 0 | 0 | 128 |
| CSC | (M) | 18 | 5 | 35 | 18 | 181 | 1283 | 0 | 4 | 1522 |
| CSJC | (S) | 5 | 2 | 27 | 59 | 137 | 1669 | 0 | 0 | 1894 |
| ETWD | (M) | 0 | 3 | 98 | 0 | 262 | 134 | 0 | 0 | 497 |
| EBSD | (U) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| IRWD | (S) | 2 | 3 | 51 | 19 | 63 | 922 | 0 | 3 | 1058 |
| MNWD | (S) | 96 | 6 | 125 | 40 | 599 | 2025 | 15 | 0 | 2795 |
| SMWD | (S) | 25 | 6 | 20 | 18 | 172 | 715 | 2 | 5 | 931 |
| SCWD | (S) | 0 | 14 | 33 | 7 | 148 | 184 | 0 | 1 | 386 |
| TCWD | (S) | 0 | 11 | 0 | 0 | 7 | 33 | 0 | 0 | 51 |
| SOCWA | (S) | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Totals | | 150 | 57 | 391 | 166 | 1577 | 7075 | 17 | 15 | 9266 |
| Dentist (All) | | | | | | | | | | 371 |
| Total Known IUs | | | | | | | | | | 9637 |

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

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

Agenda Item

Legal Counsel Review: N/A

Meeting Date: December 8, 2016

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
(*16/'17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|--|---|--------------|--|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 3213-000 | Water System Piping Improvements (2014) | Study | Study completed. Remaining work is part of the Package 'B' Improvements. |
| 3201-000 | Aeration/Secondary Upgrade (2009) | Constuction | Part of the Package 'A/C' Improvements. Gateway Pacific has substantially completed the aeration 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. |
| 3202-000 | Preliminary and Primary Treatment Improvements (Package "B") (2016) | Design | Workshop No.3 with PC 2 Engineering Committee was held on November 17, 2016. |
| 3203-000 | Effluent Standby Generator ATS Replacement (2016) | Design | Gateway Pacific is awaiting delivery of the equipment for the auto transfer switch replacement. |
| 3252-000 | Plant 1 Standby Power Generator Replacement (2017) | Design | Proposals for the design services for this project are to be received on December 5, 2016. |
| 3251-000 | Effluent Flow Meter Replacement (2017) | Design | Proposals for the design services for this project are to be received on December 5, 2016. |
| 3250-000 | Plant 1 Grit Basin Improvements (2017) | Design | Proposals for the design services for this project are to be received on December 5, 2016. |
| 3253-000 | Effluent System Valve Replacement (2017) | Design | Proposals for the design services for this project are to be received on December 5, 2016. |
| 3204-000 | Facility Improvements - Structural Repair (2015) | Constuction | Part of the Package 'A/C' Improvements. Gateway Pacific has substantially completed the structural improvements. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
(‘16/’17)**

| <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. |
| 3206-000 | Diesel Storage Tank (2016) | Design | Installation of the new storage tank has been substantially completed. |
| 4014-000 | Foul Air System Evaluation (2016) (NCP) | Study | The kickoff meeting for the project will be held on December 15, 2016, with DHK Engineering. |
| 3205-000 | West Side Power System Upgrade (2013) | Constuction | Part of the Package 'A/C' Improvements. Gateway Pacific has received and installed the new switchgear. The new service from SDG&E has been energized. |
| 3216-000 | Hoist System for Maintenance Shop (2013) | Design | Part of the Package 'B' Improvements. |
| 3260-000 | SCADA System Upgrade (2017) | Construction | Project underway by SOCWA Operations department. |
| 4001-000 | Plant Drain System Study (2017) (NCP) | Study | RFP for engineering services to be issued in December, 2016. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 2(R) - JB LATHAM TREATMENT PLANT CAPITAL PROJECTS
('16/'17)**

| <i>Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|---|---|----------------------|--|
| CAPITAL IMPROVEMENT PROJECT SOLIDS | | | |
| 3209-000 | Facility Improvements - Co-Generation Reconstruction (2015) | Construction | Part of the Package 'A/C' Improvements. Gateway Pacific currently installing the new co-generation equipment in the Energy Building. |
| 3272-000 | Dewatering System Controls Upgrade (2017) | Construction | SOCWA Operations staff is reviewing proposals from two vendors. |
| 4002-000 | Dewatering System Condition Assessment (2017) (NCP) | Condition Assessment | RFP for engineering services to be issued in December, 2016. |
| 4003-000 | Heating System Condition Assessment (2017) (NCP) | Condition Assessment | RFP for engineering services to be issued in December, 2016. |
| 3210-000 | Facility Improvements - Solids Area (2015) | Design | Part of the Package 'B' Improvements. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 3A(R) - PLANT 3A CAPITAL PROJECTS
(16/17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|-------------------------------------|--------------------------------------|--------------|--|
| CAPITAL IMPROVEMENT PROJECTS | | | |
| 1253 | Surface Drainage Improvements (2014) | Construction | S.S. Mechanical has substantially completed this work. |
| 1273 | Primary Sedimentation Upgrade (2011) | Construction | S.S. Mechanical has substantially completed this work. |
| 1250 | Channel & Basin Lining Repair (2013) | Construction | S.S. Mechanical has substantially completed this work. |
| 1294 | Electrical/Structural Repairs (2003) | Construction | S.S. Mechanical has substantially completed this work. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 5 - SAN JUAN CREEK OCEAN OUTFALL CAPITAL PROJECTS
(‘16/‘17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|-------------------------------------|--|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS | | | |
| 3601-000 | Junction Structure Rehabilitation Design | Design | Black & Veatch and Dudek are currently working on resource agency and Coastal Commission permit applications. |
| 4004-000 | Emergency Plan Development (2016) (NCP) | Study | Kick-off meeting held on September 1, 2016; work in progress. |
| 4005-000 | Dilution Study (2017) (NCP) | Study | A recommendation for the award of the contract will be made at the December 8, 2016 SOCWA Board Meeting. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(*16/'17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|---|--|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS LIQUIDS | | | |
| 1352 | Lighting System Improvements (2014) | Construction | This item is part of the Miscellaneous Improvements 2015 project; this work has been substantially completed. |
| 3501-000 | Fire Protection (2013) | Construction | This item is part of the Miscellaneous Improvements 2015 project; this work has been substantially completed. |
| 1367 | Export Sludge Line Repair & Rip Rap (R - 2) (2012) | Study | 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. |
| 3502-000 | RAS Hypochlorite System (2013) | Construction | This item is part of the Miscellaneous Improvements 2015 project. Pascal & Ludwig has completed the installation of the new chemical pipelines from the containment area to the RAS feedpoints. |
| 3504-000 | Aeration System Modification Design (2015) | Design | Draft report summarizing findings by CH2MHill to be submitted in December, 2016. |
| 3505-000 | Headworks Overflow Pipe Modifications (2015) | Construction | This item is part of the Miscellaneous Improvements 2015 project; this work has been substantially completed. |
| 3506-000 | Structural Modifications - Site (2015) | Construction | This item is part of the Miscellaneous Improvements 2015 project; this work has been substantially completed. |
| 3507-000 | East Primary Influent Gates (2015) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(16/17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|---|--|----------------------|--|
| CAPITAL IMPROVEMENT PROJECTS LIQUIDS | | | |
| 3508-000 | Grit System Knife Gate Valve Replacement (2015) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |
| 3509-000 | Switchgear Replacement Design (2016) | Design | Draft report summarizing findings by CH2MHill to be submitted in December, 2016. |
| 3510-000 | Grating Rebate and Concrete Repair Between Aeration Basins and Primary Basins (2016) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |
| 4022-000 | Influent/Overflow Condition Assessment (2016) | Condition Assessment | Assessment completed; draft report submitted by V&A Consultants. |
| 3512-000 | Grating Rebate and Concrete Repair Between HW Building and Primary Basins (2016) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |
| 3514-000 | CTP Facility Upgrade Design (2016) | Design | Draft report summarizing findings by CH2MHill to be submitted in December, 2016. |
| 3515-000 | Existing Export Sludge Wetwell Refurbishment (2015) | Construction | This item is part of the Miscellaneous Improvements 2015 project; this work has been substantially completed. |
| 3534-000 | Export Sludge System (1997) | Design | The application for County of Orange Encroachment Permit has been submitted. The design team is also working to resolve issues raised by the U. S. Fish and Wildlife Service. A meeting with USACOE staff is scheduled for December 9, 2016. |
| 3550-000 | Export Sludge Pump Addition (2017) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |
| 3552-000 | SCADA System Improvements (2017) | Construction | Project underway by SOCWA Operations department. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 15(R) - COASTAL TREATMENT PLANT CAPITAL PROJECTS
(*16/'17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|---|--|----------------------|--|
| CAPITAL IMPROVEMENT PROJECTS LIQUIDS | | | |
| 3553-000 | Plant Drainage Improvements (2017) | Design | RFP for design services to be issued in January, 2017. |
| 3554-000 | Odor Scrubber Bleach Tank Replacement (2017) | Design | Project will bid as part of CTP Miscellaneous Improvements 2017. Project will go to bid in December, 2016. |
| 4015-000 | Conceptual Building Design (2017) (NCP) | Study | RFP for engineering services to be issued in January, 2017. |
| 3503-000 | Scrubber Upgrade (2013) | Construction | The stack extension has been completed; the replacement of the chemical feed pumps will be bid as part of CTP Miscellaneous Improvements 2017. |
| CAPITAL IMPROVEMENT PROJECT AWT | | | |
| 3516-000 | Disinfection System Upgrade (AWT) (2011) | Construction | This item is part of the Miscellaneous Improvements 2015 project. Pascal & Ludwig has completed the installation of the process equipment. |
| 1357 | Hypochlorite Tank (AWT) (2013) | Construction | The new tank has been installed. |
| 3562-000 | AWT Applied Water Pump Replacement (2017) | Design | Dudek has submitted the 90% complete drawings for the project. Project to go to bid in December, 2016. |
| 4006-000 | Effluent Equalization System Condition Assessment (2017) (NCP) | Condition Assessment | Project has been awarded to V&A Consultants; assessments to be performed in January, 2017. |
| 4007-000 | Contact Basins Condition Assessment (2017) (NCP) | Condition Assessment | Project has been awarded to V&A Consultants; assessments to be performed in January, 2017. |
| 3517-000 | AWT Backwash Water Pump Replacement (2016) | Design | Dudek has submitted the 90% complete drawings for the project. Project to go to bid in December, 2016. |
| 3518-000 | Chlorine Mixer Replacement (2015) | Construction | This item is part of the Miscellaneous Improvements 2015 project; the work is substantially complete. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(16/17)**

| Task Code | Description | Phase | Status |
|--|--|----------------------|---|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 3701-000 | Secondary Electrical System Rerouting (2014) | Design | RFP has been distributed; proposals due on January 10, 2017. |
| 3730-000 | Primary Gallery Upgrade (2014) | Design | After discussion with MNWD staff SOCWA staff will delay this work in order to perform a more comprehensive upgrade. |
| 3702-000 | Waste Activated Sludge VFD Control Panel (2013) | Design | RFP has been distributed; proposals due on January 10, 2017. |
| 3704-000 | Odor Control Scrubber Control Panel No. 1 (2013) | Design | The proposed modifications to the scrubber control panel would require the shutdown of the scrubber for over a week. Options are being evaluated. |
| 3707-000 | Influent Manholes 1 and 2 and Sewer Repair (2016) | Construction | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| 3708-000 | Influent Junction Structure Gate Replacement (2016) | Construction | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| 201617RL3 | Influent Junction Structure and Pipe Condition Assessment (2016) (NCP) | Condition Assessment | Work to be completed in conjunction with RTP Miscellaneous Improvements 2016. |
| 3710-000 | AWT Water Quality Instrumentation (2016) | Design | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| 3712-000 | Grit Basin Drop Gate and Weir Replacement (2016) | Design | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| 3752-000 | AWT No.2 Upgrade Design (2017) | Design | The project has been awarded to Carollo Engineers. |
| 201717RL1 | Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP) | Condition Assessment | Project has been awarded to V&A consultants; assessments to be performed in December, 2017. |
| 1410 | Aeration System Analysis (2015) | Study | Work in progress by Hazen and Sawyer. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 17(R) - REGIONAL TREATMENT PLANT CAPITAL PROJECTS
(16/17)**

| Task Code | Description | Phase | Status |
|--|--|----------------------|--|
| CAPITAL IMPROVEMENT PROJECT LIQUIDS | | | |
| 201617RL5 | Primary Influent Channel Condition Assessment (2016) (NCP) | Condition Assessment | Project has been awarded to V&A consultants; assessments to be performed in February, 2017. |
| CAPITAL IMPROVEMENT PROJECT COMMON | | | |
| 3715-000 | Switchgear Upgrade (2006) | Construction | Pacific Hydrotech is constructing the trench for the new SCE conduit system. |
| 3760-000 | Develop Buried Piping Reconstruction Master Plan (2017) | Study | The project kick-off meeting with Lee & Ro is scheduled for December 13, 2016. |
| 3761-000 | External Lighting Upgrade (2017) | Design | Hazen and Sawyer conducting site survey. |
| 3763-000 | Reroute Plant Drains (2017) | Design | The project kick-off meeting with Lee & Ro is scheduled for December 13, 2016. |
| 3762-000 | Secondary Access Road CEQA (2017) | Permitting | Dudek submitting proposal for CEQA preparation. |
| 3764-000 | SCADA System Improvements (2017) | Construction | Project underway by SOCWA Operations department. |
| 3717-000 | Security Fencing (2015) | Design | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| 3718-000 | Access Bridge Upgrades (2015) | Design | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |
| CAPITAL IMPROVEMENT PROJECT SOLIDS | | | |
| 3720-000 | Digester Dome Recoating (2014) | Construction | Pacific Hydrotech has substantially completed this work. |
| 1478 | Underground Piping Upgrade (2006) | Construction | Pacific Hydrotech has substantially completed this work. |
| 3722-000 | Co-Generation System Retrofit (2008) | Construction | Pacific Hydrotech will be starting up the new boiler system in December. |
| 3723-000 | Recoat Top of Digesters (2016) | Design | This is part of the RTP Miscellaneous Improvements 2016 Project. A Notice to Proceed has been issued to Pacific Hydrotech. |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
PROJECT COMMITTEE NO. 24 - ALISO CREEK OCEAN OUTFALL CAPITAL PROJECTS
(16/17)**

| <i>Task Code</i> | <i>Description</i> | <i>Phase</i> | <i>Status</i> |
|-------------------------------------|---|--------------|---|
| CAPITAL IMPROVEMENT PROJECTS | | | |
| 4013-000 | Emergency Plan Development (2016) (NCP) | Study | Kick-off meeting held on September 1, 2016; work in progress. |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|---|---|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| FACILITY IMPROVEMENTS PACKAGES A/C | | C | | | | | | |
| 3201-000 | Aeration/Secondary Upgrade (2009) | C | | | | | | |
| 3203-000 | Effluent Standby Generator ATS Replacement (2016) | C | | | | | | |
| 3204-000 | Facility Improvements - Structural Repair (2015) | C | | | | | | |
| 3206-000 | Diesel Storage Tank (2016) | C | | | | | | |
| 3205-000 | West Side Power System Upgrade (2013) | C | | | | | | |
| 3209-000 | Facility Improvements - Co-Generation Reconstruction (2015) | C | | | | | | |
| FACILITY IMPROVEMENTS PACKAGE B | | P | P | D | D | D | B&A | C |
| 3213-000 | Water System Piping Improvements (2014) | P | P | D | D | D | B&A | C |
| 3214-000 | 4MGD Diversion Flow Meter & Control Structure (2012) | P | P | D | D | D | B&A | C |
| 3202-000 | Preliminary and Primary Treatment Improvements (Package "B") (2016) | P | P | D | D | D | B&A | C |
| 3212-000 | East Primary Influent Channel Repair (2015) | P | P | D | D | D | B&A | C |
| 3218-000 | Energy Building Roof Reconstruction (2015) | P | P | D | D | D | B&A | C |
| 3216-000 | Hoist System for Maintenance Shop (2013) | P | P | D | D | D | B&A | C |
| 3210-000 | Facility Improvements - Solids Area (2015) | P | P | D | D | D | B&A | C |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|--|--|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| MISCELLANEOUS IMPROVEMENTS 2017 | | | D | D | B&A | C | C | C |
| 3252-000 | Plant 1 Standby Power Generator Replacement (2017) | | D | D | B&A | C | C | C |
| 3251-000 | Effluent Flow Meter Replacement (2017) | | D | D | B&A | C | C | C |
| 3250-000 | Plant 1 Grit Basin Improvements (2017) | | D | D | B&A | C | C | C |
| 3253-000 | Effluent System Valve Replacement (2017) | | D | D | B&A | C | C | C |

| INDEPENDENT PROJECTS | | | | | | | | |
|-----------------------------|---|--|----|----|---|--|--|--|
| 4014-000 | Foul Air System Evaluation (2016) (NCP) | | P | | | | | |
| 3260-000 | SCADA System Upgrade (2017) | | C | C | | | | |
| 4001-000 | Plant Drain System Study (2017) (NCP) | | P | P | | | | |
| 3272-000 | Dewatering System Controls Upgrade (2017) | | C | C | C | | | |
| 4002-000 | Dewatering System Condition Assessment (2017) (NCP) | | CA | CA | | | | |
| 4003-000 | Heating System Condition Assessment (2017) (NCP) | | CA | CA | | | | |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|--|---|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| MISCELLANEOUS IMPROVEMENTS 2015 | | C | C | | | | | |
| 1352 | Lighting System Improvements (2014) | C | C | | | | | |
| 3501-000 | Fire Protection (2013) | C | C | | | | | |
| 3502-000 | RAS Hypochlorite System (2013) | C | C | | | | | |
| 3505-000 | Headworks Overflow Pipe Modifications (2015) | C | C | | | | | |
| 3506-000 | Structural Modifications - Site (2015) | C | C | | | | | |
| 3516-000 | Disinfection System Upgrade (AWT) (2011) | C | C | | | | | |
| 1357 | Hypochlorite Tank (AWT) (2013) | C | C | | | | | |
| 3518-000 | Chlorine Mixer Replacement (2015) | C | C | | | | | |
| 3515-000 | Existing Export Sludge Wetwell Refurbishment (2015) | C | C | | | | | |
| FACILITY IMPROVEMENTS PACKAGE | | P | P | D | D | D | B&A | C |
| 3504-000 | Aeration System Modification Design (2015) | P | P | D | D | D | B&A | C |
| 3509-000 | Switchgear Replacement Design (2016) | P | P | D | D | D | B&A | C |
| 3514-000 | CTP Facility Upgrade Design (2016) | P | P | D | D | D | B&A | C |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|---|--|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| MISCELLANEOUS IMPROVEMENTS 2017 | | D | B&A | C | C | C | C | |
| 3507-000 | East Primary Influent Gates (2015) | D | B&A | C | C | C | C | |
| 3508-000 | Grit System Knife Gate Valve Replacement (2015) | D | B&A | C | C | C | C | |
| 3510-000 | Grating Rebate and Concrete Repair Between Aeration Basins and Primary Basins (2016) | D | B&A | C | C | C | C | |
| 3512-000 | Grating Rebate and Concrete Repair Between HW Building and Primary Basins (2016) | D | B&A | C | C | C | C | |
| 3550-000 | Export Sludge Pump Addition (2017) | D | B&A | C | C | C | C | |
| 3554-000 | Odor Scrubber Bleach Tank Replacement (2017) | D | B&A | C | C | C | C | |
| 3503-000 | Scrubber Upgrade (2013) | D | B&A | C | C | C | C | |
| 3562-000 | AWT Applied Water Pump Replacement (2017) | D | B&A | C | C | C | C | |
| 3517-000 | AWT Backwash Water Pump Replacement (2016) | D | B&A | C | C | C | C | |
| EXPORT SLUDGE SYSTEM REPLACEMENT | | ENV | ENV | B&A | C | C | C | C |
| 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 |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|-----------------------------|--|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| INDEPENDENT PROJECTS | | | | | | | | |
| 4022-000 | Influent/Overflow Condition Assessment (2016) | CA | | | | | | |
| 3552-000 | SCADA System Improvements (2017) | C | C | | | | | |
| 3553-000 | Plant Drainage Improvements (2017) | | D | B&A | C | | | |
| 4015-000 | Conceptual Building Design (2017) (NCP) | | P | P | | | | |
| 4006-000 | Effluent Equalization System Condition Assessment (2017) (NCP) | | CA | | | | | |
| 4007-000 | Contact Basins Condition Assessment (2017) (NCP) | | CA | | | | | |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|--|---|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| MISCELLANEOUS IMPROVEMENTS 2016 | | B&A | C | C | C | | | |
| 3707-000 | Influent Manholes 1 and 2 and Sewer Repair (2016) | B&A | C | C | C | | | |
| 3708-000 | Influent Junction Structure Gate Replacement (2016) | B&A | C | C | C | | | |
| 3710-000 | AWT Water Quality Instrumentation (2016) | B&A | C | C | C | | | |
| 3712-000 | Grit Basin Drop Gate and Weir Replacement (2016) | B&A | C | C | C | | | |
| 3717-000 | Security Fencing (2015) | B&A | C | C | C | | | |
| 3718-000 | Access Bridge Upgrades (2015) | B&A | C | C | C | | | |
| 3723-000 | Recoat Top of Digesters (2016) | B&A | C | C | C | | | |
| COGENERATION AND SWITCHGEAR UPGRADE | | C | C | C | C | | | |
| 3715-000 | Switchgear Upgrade (2006) | C | C | C | C | | | |
| 3720-000 | Digester Dome Recoating (2014) | C | C | C | C | | | |
| 1478 | Underground Piping Upgrade (2006) | C | C | C | C | | | |
| 3722-000 | Co-Generation System Retrofit (2008) | C | C | C | C | | | |
| MISCELLANEOUS IMPROVEMENTS 2017 | | D | D | B&A | C | C | C | C |
| 3701-000 | Secondary Electrical System Rerouting (2014) | D | D | B&A | C | C | C | C |
| 3702-000 | Waste Activated Sludge VFD Control Panel (2013) | D | D | B&A | C | C | C | C |
| 3752-000 | AWT No.2 Upgrade Design (2017) | D | D | B&A | C | C | C | C |
| 3761-000 | External Lighting Upgrade (2017) | D | D | B&A | C | C | C | C |
| 3763-000 | Reroute Plant Drains (2017) | D | D | B&A | C | C | C | C |

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

| Task Code | Description | Fiscal Year 16/17 | | | Fiscal Year 17/18 | | | |
|-----------------------------|--|-------------------|---------|---------|-------------------|---------|---------|---------|
| | | 2nd Qtr | 3rd Qtr | 4th Qtr | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| INDEPENDENT PROJECTS | | | | | | | | |
| 3730-000 | Primary Gallery Upgrade (2014) | | | | D | D | D | B&A |
| 3704-000 | Odor Control Scrubber Control Panel No. 1 (2013) | | | | | | | |
| 201617RL3 | Influent Junction Structure and Pipe Condition Assessment (2016) (NCP) | | | CA | CA | | | |
| 201717RL1 | Effluent Equalization Pond and Gate Condition Assessment (2017) (NCP) | CA | CA | | | | | |
| 1410 | Aeration System Analysis (2015) | P | | | | | | |
| 201617RL5 | Primary Influent Channel Condition Assessment (2016) (NCP) | | CA | | | | | |
| 3760-000 | Develop Buried Piping Reconstruction Master Plan (2017) | P | P | P | | | | |
| 3762-000 | Secondary Access Road CEQA (2017) | | ENV | ENV | | | | |
| 3764-000 | SCADA System Improvements (2017) | | C | C | | | | |

Agenda Item

Meeting Date: December 8, 2016

TO: Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Use Audit 2015-16 Recommendation for Approval

The Finance Committee met on October 25, 2016 to review the draft Use Audit for the Fiscal Year 2015-16. At that time, MNWD asked for additional review and a Q&A period, which ensued. The Finance Committee will meet again on December 7, 2016 to consider approval of the draft Use Audit for recommendation to the Board of Directors and a verbal update of their decision will be provided to the Board at the December 8, 2016 meeting. The attached memorandum and information developed during the review period is provided to the Board in the same form as to the Finance Committee for their December 7, 2016 meeting. Staff will be seeking concurrence to approve the Use Audit and make collections and refunds in accordance with the attached summary.

Recommended Action

The General Manager (with report of Finance Committee Action on this item) recommends to the Board of Directors: 1) approve the Fiscal Year 2015-16 Use Audit dated November 29, 2016, 2) approve refunds for Agencies whose costs were under budget, and 3) approve billings for Agencies with additional assessments in accordance with the attached summary.

**South Orange County Wastewater Authority
FY 2015-16 USE AUDIT Summary**

| Actual Spending and Actual Usage | | | | | | |
|---|--------------------------|----------------------------|----------------------------|----------------------------|---------------------------------|----------------|
| O&M | | | Small Capital | Large Capital | | |
| FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | (Payments Due) / Refunds | |
| SOCWA by Member Agency | | | | | | |
| City of Laguna Beach | 1,990,298 | 1,927,334 | 62,964 | (10,679) | (55,149) | (2,865) |
| City of San Clemente | 143,305 | 96,253 | 47,053 | | | 47,053 |
| City of San Juan Capistrano | 2,238,795 | 1,868,009 | 370,786 | 42,390 | | 413,176 |
| El Toro Water District | 868,212 | 731,459 | 136,753 | 1,365 | | 138,118 |
| Emerald Bay Service District | 80,822 | 85,067 | (4,246) | (867) | (4,342) | (9,455) |
| Irvine Ranch Water District | 241,964 | 127,723 | 114,240 | | | 114,240 |
| Moulton Niguel Water District | 8,006,227 | 8,393,893 | (387,666) | 196,770 | (108,710) | (299,605) |
| Santa Margarita Water District | 1,769,400 | 1,808,872 | (39,472) | 85,048 | | 45,576 |
| South Coast Water District | 3,236,962 | 3,317,016 | (80,054) | 27,760 | (43,425) | (95,719) |
| Trabuco Canyon Water District | 25,640 | 20,940 | 4,700 | | | 4,700 |
| Total Member Agency | 18,601,624 | 18,376,566 | 225,058 | 341,787 | (211,626) | 355,219 |

Memorandum

DATE: December 7, 2016
TO: Finance Committee and Board of Directors
FROM: Betty Burnett, General Manager
SUBJECT: Agency Q&A for 2015-16 Use Audit

Following distribution of the Draft 2015-16 Use Audit at the Finance Committee meeting on October 25, 2016, MNWD provided questions and comments and the following information has been shared and provided in response to address those questions.

- 1) MNWD Question: We were surprised that the updated use audit provided for the October 25th meeting had changed so much from the preliminary use audit report that was distributed in August. When the August report was initially distributed, we were told by SOCWA staff that the numbers were 99.5% accurate. Can you provide detail for the changes to the Use Audit information, in particular, the additional costs attributed to MNWD of \$219,669?

SOCWA Response:

These costs attributable to MNWD arose after the draft Use Audit report from the allocation of flows and loadings information for PC 17, which were finalized after the release of the draft, and also to our surprise, estimate of flows and loadings for MNWD were off quite a bit from the actuals (see page 29). The budgets are prepared with estimates that are blessed by each agency. But as we all know, actual use is very dependent on the economy and on usage which can fluctuate based on weather, occupancy and other changes affecting our retail systems. As you know even small fluctuations in use have a big impact on fixed costs distribution. Cost categories affected by flow and loading changes can be seen on pages 17g and 17h for PC 17. The November 29, 2016 Revised Draft Use Audit now has a cost to MNWD of \$299,605 (see page 8) with the increase above \$219,669 coming from the completion of the large capital. (See attached Item I, 1-7)

- 2) MNWD Question: We did not see detail supporting the additional capital expenses owed. Can you provide more support for those figures?

SOCWA Response:

Yes, see the pages added to the November 29, 2016 Draft Use Audit to cover the large capital projects completed in 2015-16 (31 to end). Note that PC 17 is the only plant that had a capital project completion; all capital expenditures that are adjusted by change order go before the engineering committee and the board. The \$204,912 adjustment in the draft Use Audit was an expense from the construction at RTP of the influent line

manhole and this is MNWD's share of that cost. In addition, the work on the 2015-16 Audit by Davis Farr identified three project costs to be added as "completed and in service work." As a consequence the adjusted draft Use Audit (update of November 29, 2016), now includes application of return capital funds to MNWD in the amount of \$96,203.

(See page 31, \$172,479 - \$42,556 - \$33720= \$96203).

- 3) MNWD Question: Regarding the two other previously identified closed capital projects (Secondary Access Road Design and Energy Building Structural and HVAC Modifications), the Use Audit report showed expenses of \$10,656 and \$0 respectively. However, the FY 15-16 budget book showed expenses of \$35k for the access road and \$50k for the energy building. Can you help me reconcile those differences, especially since we are not able to reconcile capital payments made by the agencies to specific projects? Also, can you provide supporting information for the additional projects that were recommended to be closed by the auditor? These were listed on Page 1 and 8 of the Use Audit report as "additional completions".

SOCWA Response:

The projects and current year amounts referenced from FY 2015-16 Budget Book for PC 17 common were:

- Access Road design, \$35k
- Energy building, \$50k

For clarification, as of Feb 2015 SOCWA has "billed" (i.e. not an expenditure per se – just billings):

- Access Road design billed \$35,000 (original project estimated cost was \$70,000 – see page 78 of 2015-16 Budget).
- Energy building billing as of Feb 2015 was \$25k, the remaining \$25k appears to be later in the year (still verifying), (original project estimated cost was \$100,000 – see page 78 of 2015-16 Budget).

For the third project, influent manhole (PC 17 #3703), per the data we have available at this time, which we are working to cross verify, the cumulative actual expense is \$903,729.15. The October 25, 2016 Draft Use Audit has a correction to the \$904,355.59 for this item as follows:

| | |
|--------------------------|--------------|
| Cumulative Expense | \$903,729.15 |
| Collected from Agencies: | \$698,817.00 |
| Amount owed: | \$204,912.15 |

Based on the above, the expenditures include project 3716-000, (Secondary Access Road) which we agreed should not be closed until the total project has been completed.

In sum, the correct amount due from Member Agencies for closed projects is \$204,912. (As shown on page 32 of the November 29, 2016 Draft Use Audit).

- 4) MNWD Question: Can you provide the supporting data for the flow rates and the solids loading related to PC2, and the solids loadings related to PC17?

SOCWA Response:

Please refer to November 7, 2016 email and attachments (see attached Item I, 1-7). Thank you for coming in to meet with Brennon to review this item. We have not, as yet, received additional input as to MNWD/SMWD agreement to modify the liquids allocation for PC 2 for the FY 2015/2016 Use Audit.

- 5) MNWD Question: Can you provide support for the expenses at PC15 that were deemed common? We'd like to see how costs were allocated, and what methodology was used to determine if an item was common or liquid/solid.

SOCWA Response:

If you recall, there was a review done in the Allocation Working Group of common expense categories and we used and followed that list for the 2016-17 Budget; also your budget book lists common expense categories by project committee. See attachment Item II, PC 15 Common Costs FY 2015-16 Actual and the cost distribution table.

- 6) MNWD Question: We took a sum of all MNWD use audit reported billings/payments and it appears MNWD was attributed \$6,982,691 for FY 15-16 payments across all PCs. However, the actual payments submitted by MNWD for FY 15-16 (excluding any general fund/admin allocations) was \$7,008,218? Can you explain the reason for the variance of \$25,528?

SOCWA Response:

The \$25,528 difference is shown on page 11 of the Draft Use Audit and is the net standby adjustment.

- 7) MNWD Question: Would it be more appropriate to adopt the use audit after the external auditors have done some substantive test work on the balances reported for FY 15-16 ending amounts? If there are audit adjustments noted, how would those be incorporated if the use audit was adopted prior to that test work?

SOCWA Response:

The auditors have completed their field work at SOCWA and are in preparation of their report and found no exceptions to the O&M expenses. Traditionally the SOCWA use audit has not been tied to the completion of the formal audit work. See discussion above at #2 and #3 for returned capital funding due to project completions. Under the PC agreements, agencies are required to pay for their actual expenses, so in the event that there were an audit generated revision, then a correction would be made at that time with a corresponding invoice or check to the appropriate party. The use audit itself is the accounting mechanism but the obligations are still the same.

- 8) MNWD Question: Can you explain and provide supporting detail to show why there was an increase in "Fringe Benefit Rates" due to retirements?

SOCWA Response:

Two factors caused the actual fringe rate to be greater than anticipated at the time of the budget; first, retiring employees were replaced with lower cost personnel (O&M labor

actual was under budget by \$115k). Also the fringe pool came in slightly higher due to benefit cost increases, \$12,000 (see attached Item III). Second, at the time of the budget, the fringe rate of 71% was developed using labor estimates based on a look back at '14-'15 year actuals. This approach had been used in prior years. However, based on the 3A contract operation returning to MNWD/SMWD, the agencies requested a forward look at the estimation of labor and work locations, which adjusted the labor budget. We did not, however, make a corresponding adjustment to the estimated fringe rate. In comparison to actual the % to base salaries for time worked rose. The fringe rate as of the close of the fiscal year is at 78%.

- 9) MNWD Question: Can you provide the detail for the membership and dues balances at PC 15 totaling \$24,950 for MNWD (pg. 15o, October 25, 2016 Draft Use Audit). Also on pg. 17e, there was a total of only \$764 in for PC 15 in total. Can you explain why we are seeing those differences and what makes up the \$24,950 in memberships MNWD was allocated in costs?

SOCWA Response:

A correction was made to Page 15o expenses the \$24,950 amount belongs in Access Road Expenses, with the corrections showing as follows:

| | | | | | |
|------------------|------------------------------------|--------|--------|----------|-------------|
| 15-5039-01-**-** | Membership Dues/Fees | 0 | 764 | (764) | 0.00% |
| 15-5047-01-**-** | Access Road Expenses (increase) | 44,000 | 84,538 | (40,538) | 192.13 % |

- 10) MNWD Question: How are administrative costs applied to Capital Projects? It is my understanding that administrative did not keep time on a per project or PC basis. So, I am curious how the amount of the administration costs is determined to be applied to a particular project.

SOCWA Response:

SOCWA approach for the past 2 years:

- Only internal labor and related fringe that is project specific is charged to capital projects
- We defined those costs as Engineering Personnel
- With the implementation of ADP and Electronic Timekeeping, the Engineering department charges direct to a project committee wastewater code and the project. In the Timekeeping system, there are dropdown menus to select the appropriate Project Committee, Wastewater Code and Capital Project Number.

Prior to 2014:

- We are not certain how administrative costs were accumulated to the Project Committees, it appears that during the previous Director of Finance career that was done at his desk singularly and perhaps by adding administrative costs to particular PC projects in the capital program; after he left costs in administration were accumulated to project committees and within a PC a proportionate share was placed toward capital which explains seeing "admin costs" in the capital data

for the Influent Line Manhole (as sent to MNWD staff on 11/22/16). There it is described as “apply admin” and “apply fringe.” We do not have a clearly defined methodology for that historical application but we can observe from past records that it occurred as we reported it to you.

- 11) MNWD Question: Based on the invoices we received from SOCWA, we are unable to reconcile the revenues SOCWA receives from the agencies to a particular project. Is there additional information that you can provide that would show how revenues received from agencies for capital project invoices are applied to capital projects?

SOCWA Response:

For FY 2016-17 to date staff have invoiced only the Budget please refer to the Capital section of the Budget Book for the specific projects.

We are currently working now:

- Adding the Project #'s to the Quarterly invoices
- Implementing Cash Receipts reports by Member Agency, Project Committee and Capital Project; this would be an Inception to date report. Staff will have a projected timeline for that work by the January 2017 Board meeting. Data is being reviewed and collected now that will be needed in that effort. We will likely utilize outside accounting services to review and confirm both the approach to that task and the result.

On a going forward basis, SOCWA staff will load the capital projects cash collections into Blackbaud.

Our plan is to utilize the available records of collections and expenses to construct and verify the accounting to capital projects of collected/expended amounts. Again, an independent accounting firm will be assisting staff to build and verify the data.

Although there are various schedules in SOCWA records prepared from various periods of time that report cash collected and applied to capital, staff desires to accomplish to the extent possible a reconciliation of past collections/expenditures to become the baseline for the go forward capital projects module.

- 12) MNWD Question: In reviewing the additional information that you provided in the Q&A document specific to the Fringe Benefit Pool (Item III), I have some additional questions that I was hoping you could help me with: what is defined as Admin Leave? That seems to be a significant unbudgeted number.

SOCWA Response:

Administrative Leave is a portion of leave accrual for management level employees, and this fringe pool identification is again the effort to pull out the detail of administrative expenses that occurred throughout 2015-16 as the general ledger was expanded to accommodate detail. There was not a projection in the preparation of the 2015-16 Budget as to the amount of that leave that would be taken, but the earning of that leave would appear as an accrual. The line item addition will carry forward to preparation of the budget in the coming year.

- 13) MNWD Question: Is the Group Medical Insurance specific to the premiums covered by SOCWA for the PERS medical cost? What is in that cost category that drove costs beyond the budget amount?

SOCWA Response:

The Group Medical Insurance includes more than "medical" it also includes dental and vision coverages. The budget assumptions for 2015-16 estimated the existing cost plus 6% and the medical portion did come in slightly higher than budgeted, but in addition, as you know when coverage choices are made by employees, which occurs mid-year in a fiscal year cycle, the cost of coverages can change based on choice of coverage participation in the menu of options available for employees. These factors account for the additional \$20,037 in expense.

- 14) MNWD Question: With PERS rates defined so far in advance, what was the driver behind a \$132K increase in PERS retirement expenses this past FY?

SOCWA Response:

PERS did inform SOCWA of a potential increase total with projected unfunded liabilities in August of 2014, with the actual coming in higher than budgeted by 16%. We did not fully account for that level of increase in the Budget preparation.

- 15) MNWD Question: Why the \$10K increase in retiree health above the budgeted amount?

SOCWA Response:

Retiree medical tracks employee medical cost increases and the same factors, higher percent increases than anticipated, choice of coverages and additions to the retiree pool can create variances in the actual expense.

- 16) MNWD Question: Can you explain the unbudgeted "457 Plan - Employer Match" and the "Pension Benefit in Excess of Cap"? What are those line items covering and why were they unbudgeted? It would seem like something that could be anticipated.

SOCWA Response:

The budget for the 457 matching set for 2015-16 was \$73,700 (page 17 of the FY 2015-16 Budget). The corrected Fringe Pool breakout is attached.

Item 1

Betty Burnett

From: Betty Burnett
Sent: Monday, November 07, 2016 4:46 PM
To: 'Matt Collings'; Dan Ferons (danf@smwd.com)
Cc: Brennon Flahive (bflahive@socwa.com); Mary Carey; 'Pat Giannone'
Subject: documentation related to flows and loadings for MNWD at JBL
Attachments: 2016_11_07_16_20_57.pdf

Matt and Dan, attached please find various items of information related to the question asked by Matt as to where/when the 1.4 mgd of flow assignment to MNWD from the Oso/Trabuco line occurred. Items as follows:

1. Short summary of how SOCWA measures and allocates flows and solids. We went over the process in the Allocation Workshops and at that time metering was discussed and it was acknowledged it is needed.
2. On page marked 2, Brennon has gone through the past use audits and broken out the measured flows and pounds per day information used to assign costs. Please review the notes on that page for variations over the years.
3. Item 3 is the Agreement that applies to the allocation of costs for JBL and I have attached the relevant pages (11-15) – there is no discussion of assigning a set value to flow of 1.4, but there is an obligation to install metering (which has not yet been done).
4. Item 4 appears to have been prepared by CGVL at the time the capacity purchases for DPSD and CBWD took place. On the 2nd page see Table 1B where MNWD's "current flow" is described as 1.43. This document is dated 1995.
5. Item 5 is a 1970 Agreement, wherein the OSO/Trabuco Interceptor Sewer was discussed – with language stating that "the allocation of the capacity and cost... shall be a matter of separate agreement between SMWD and MN."
6. This item is a 7/8/13 memo from Tom Rosales to the PC 2 representatives describing the flow monitoring and cost allocation approach. It doesn't say how or when the method being used was set in place, but it does talk about the adjustment for 3A flows when diverted to JBL. Brennon recalls that a meeting was set to discuss this issue at that time and it was not attended by the agencies.
7. Item 7 is a note from Bob Gumerman, where he responds to my request that he comment on his recollection of the history of the Oso/Trabuco split.

I am hopeful the attached items will be helpful to you. We are looking to get approval of the Use Audit on Tuesday, November 29, 2016, so I would ask you to talk this matter over between your agencies and advise SOCWA of your agreement. It would be unfair to the agencies that are owed refunds from the Use Audit to allow for continuing delay.

Please also note that I found a reference to the following in past agreements: "3A Plant Agreement" means that certain agreement entitled "Agreement for the (1) Sale of Wastewater Treatment Capacity in the MNWD 3A Plant to SMWD; and (2) Sale of Capacity in the SMWD Upper Oso Reservoir and Related Facilities to MNWD, dated April 17, 1989." We do not have a copy of that document and perhaps it has some language addressing this matter in it.

Thank you,

Betty Burnett
GM, SOCWA



Oso Trabuco Flow and Waste Allocation Summary

Plant costs have been apportioned to member agencies based on a combination of sewage flows to the treatment plant and wastewater strength characterization. SOCWA provides a monthly summary of each member agency's sewage flows and wastewater influent strength data in a summary table found in the Board packet.

Sewage flows and wastewater strength data are derived from monthly J.B. Latham Plant influent flow metering and monitoring, as well as portable flow and sampling results from remote locations on the Oso Trabuco and San Juan sewage trunk lines.

Flow monitoring on the Oso Trabuco trunk line, which carry MNWD and SMWD sewage flows, is done utilizing a portable flow monitoring device over a 7-10 day period each month. The measurement is taken at the Dana Point Park manhole ¼ mile east of the JBL Plant. The flow data is extrapolated and averaged to represent that particular month. From the collected data, 1.4 MGD is allocated to MNWD and the remainder is allocated to SMWD. This practice is adjusted if either the 3A WRP or the Oso Creek WRP flows are being diverted to the JB Latham facility and this extra flow is allocated to the appropriate agency. The JB Latham secondary effluent metering data may be consulted and used as verification for the monthly allocations.

The composite samples taken for Oso Trabuco are not from engineered systems and produce highly variable results. Adding to the unknown is the fact that it is difficult to determine how much of the loading should be assigned to MNWD and how much to SMWD. SOCWA is not provided with either the ponds of Waste Activated Sludge discharged from the Oso Trabuco WRP or the amount of material discharged to the Oso Trabuco Truck line from sewage collection system vector sources. Looking through financial data from previous years, it appears that the wastewater strengths for these two agencies were based on factors that were not documented.

Annual Use Audit Values - Note 4

| | FY | MNWD PC 2 Flow MGD | MNWD Pounds #/Day | SMWD PC 2 Flows MGD | SMWD Pounds #/Day | Total OT Flow MGD | Average Pounds #/Day |
|--------|---------|--------------------------|-------------------------|---------------------------|-------------------------|-------------------------|----------------------------|
| Note 1 | 2001-02 | 1.500 | 8594 | 2.120 | 12147 | 3.620 | |
| Note 2 | 2002-03 | 1.270 | 2833 | 1.900 | 4239 | 3.170 | 7072 |
| | 2004-05 | 1.440 | 3357 | 2.130 | 4965 | 3.570 | 8322 |
| | 2005-06 | 1.370 | 4119 | 1.200 | 3608 | 2.570 | 7727 |
| | 2006-07 | 1.400 | 4169 | 1.270 | 3782 | 2.670 | 7951 |
| | 2007-08 | 1.270 | 4136 | 1.230 | 3996 | 2.500 | 8132 |
| | 2008-09 | 1.260 | 4225 | 1.970 | 6605 | 3.230 | 10830 |
| | 2009-10 | 1.270 | 3983 | 2.160 | 6774 | 3.430 | 10757 |
| | 2010-11 | 1.490 | 5413 | 2.240 | 8119 | 3.730 | 13532 |
| | 2011-12 | 1.320 | 5467 | 2.240 | 9321 | 3.560 | 14788 |
| | 2012-13 | 1.400 | 5301 | 2.170 | 8217 | 3.570 | 13518 |
| Note 3 | 2013-14 | 1.936 | 5589 | 2.231 | 8712 | 4.167 | 14301 |
| Note 3 | 2014-15 | 1.805 | 5769 | 1.849 | 7509 | 3.654 | 13278 |
| | 2015-16 | 1.400 | 6155 | 1.500 | 6352 | 2.900 | 12507 |

Note 1: In '01-'02 the pounds per day used was "total" pounds.

Note 2: Beginning in '02-'03, the pounds per day is figured as an average of TSS and BOD pounds.

Note 3: In '13-'14 and '14-'15 the 3A effluent line was shut down for construction and as a result, treated secondary effluent was sent to the Oso Trabuco line and is accounted for as a cost to MNWD. MNWD pounds were flow weighted, 2ndry eff. assumed 15 mg/l of TSS and BOD load.

Note 4: Flow readings are taken at a manhole in City of Dana Point Park approx. 1/4 mile east of the JBL plant.

2

3

AMENDMENT NO. 1

**AGREEMENT FOR ACQUISITION, USE, OPERATION,
MAINTENANCE AND EXPANSION OF SEWAGE TREATMENT
PLANT OF CITY OF SAN JUAN CAPISTRANO BY SOUTH EAST
REGIONAL RECLAMATION AUTHORITY FOR AND ON BEHALF
OF PROJECT COMMITTEE NO. 2 (THE "PC 2 AGREEMENT")**

This Amendment No. 1 to the PC 2 Agreement, except as otherwise provided Section 1.1 herein, is made effective this 18th day of May, 1998 (the "Execution Date"), by and between the SOUTH EAST REGIONAL RECLAMATION AUTHORITY ("SERRA"), a joint powers agency created by that certain joint powers agreement entitled "Joint Exercise of Powers Agreement Creating South East Regional Reclamation Authority, Orange County, California (SERRA)" dated March 9, 1970 (the "Joint Powers Agreement"), and pursuant to Section 6500 and following of the Government Code of the State of California for and on behalf of its Project Committee No. 2, and the following entities:

- (a) The City of San Juan Capistrano ("SJC");
- (b) Dana Point Sanitary District ("DPSD");
- (c) Santa Margarita Water District ("SMWD");
- (d) Moulton Niguel Water District ("MNWD");

SJC, DPSD, SMWD and MNWD are sometimes collectively referred to in this Amendment No. 1 as the "Original PC 2 Members"; and

- (e) Capistrano Beach Water District ("CBWD").

The foregoing entities are collectively in some instances referred to as the "PC 2 Members", or individually as "party" and collectively or in combination as the "parties". All parties are member agencies of SERRA and parties to the Joint Powers Agreement.

Section 2.5 Capacity Adjustment. Unless otherwise unanimously agreed in writing by the PC 2 Members having capacity rights in the SERRA Plant at the time of any reallocation,

(a) in the event that the total SERRA Plant liquids treatment capacity is less than or exceeds 13.0 mgd, the actual liquid treatment capacity shall be allocated to each PC 2 Member using the liquids capacity ownership percentages set forth in Table 3 (or, if applicable, Table 1) above; and

(b) in the event that the total SERRA Plant solids handling capacity is less than or exceeds 18.5 mgd, the actual solids handling capacity shall be allocated to each PC 2 Member using the solids capacity ownership percentages set forth in Table 3 (or, if applicable, Table 1) above.

It should be noted that certain prior SERRA Plant capacity transfer arrangements between the PC 2 Members (as referenced to in the Recitals above) may include terms providing for 'assured capacity' (or equivalent language), and the language set forth in this Section 2.3 is not intended by the parties to supersede such terms, as these terms may be enforceable between the respective PC 2 Members in connection with the individual transfer arrangements. The parties agree that the capacity adjustment mechanism set forth in subsections (a) and (b) of this Section 2.5 will, if applicable, determine all budget deposits and funding requirements for SERRA and Project Committee No. 2 proceedings.

 **III. CLARIFICATION OF OPERATING COST COMPONENTS**

Section 3.1 Amended Section 8 of PC 2 Agreement. Section 8, Operating Costs, of the PC 2 Agreement is amended to read as follows:

"8. Operating Costs. It is further agreed that each of the parties to this Agreement, in addition to obligations otherwise provided for herein, will pay to SERRA its proportionate share of the operation, maintenance and capital repair and improvement

costs of the SERRA Plant. For the purpose of this Section 8, maintenance and operating costs shall mean the necessary costs of maintaining and operating the SERRA Plant based on sound accounting principles, including expenses necessary to maintain and preserve the SERRA Plant in good repair and working order, inclusive of the Capital Repairs/Improvements defined below in subsection (b), as well as insurance, taxes, and any costs attributable to maintenance and operation. It specifically does not include depreciation or any obsolescent charges or any reserves therefor, or amortization of intangibles or other bookkeeping entries of a similar nature. Capitalized terms set forth in this Section and not otherwise defined shall have the meaning set forth in Amendment No. 1 to this Agreement.

The following is agreed to by each of the parties to this Agreement in order to define the terms to govern the manner in which the operation, maintenance and repair costs shall be allocated:

(a) SERRA shall bill each party, and each of the parties to this Agreement agrees to pay, the proportionate share of all operating and maintenance expenses of the SERRA Plant in the amounts and at the times set forth in this Section 8. SERRA will establish an operations and maintenance budget for each fiscal year (July 1 to and including June 30) for all such expenses and each PC 2 Member shall make quarterly deposits in advance to SERRA equal to twenty-five percent (25%) of the budgeted share of such party's expenses during the fiscal year.

(b) Except as hereinafter provided for Capital Repairs/Improvements (as defined below in subsection (c)), or unless otherwise agreed, the operating and maintenance expenses shall be allocated among the PC 2 Members and paid by each PC 2 Member in accordance with the following terms:

(i) "Variable Operation/Maintenance Costs" shall include all costs not otherwise defined below in (ii) as "Common Costs" and (iii) as "Standby Costs". All

Variable Operation/Maintenance Costs related to liquids treatment capacity shall be allocated based on each PC 2 Member's average flow through the SERRA Plant, determined on the basis of the prior twelve (12) month fiscal period, and all operating and maintenance costs related to solids handling capacity shall be allocated based on each PC 2 Members' average solids loading at the SERRA Plant, determined on the basis of the same fiscal year period used for averaging liquids flow; provided, for fiscal year 1998-99, all liquids and solids allocations for SJC, DPSD, SMWD, MNWD and CBWD will be based on projected flows (which provision shall not apply if the CBWD Capacity Transfers are ineffective).

(ii) "Common Costs" shall include all fixed operating and maintenance costs and expenses including but not limited to insurance, landscape maintenance, legal, audit, and permit fees, that benefit facilities at the SERRA Plant, regardless of actual liquids treatment or solids handling capacity use. Common Costs shall be first divided on a fifty/fifty (50/50) basis between liquids treatment capacity and solids handling capacity, and shall second be allocated among the PC 2 Members on the basis of the liquids treatment capacity ownership percentages and the solids handling capacity ownership percentages set forth in Table 2 or Table 3 (as applicable) in Section 2.2 of Amendment No. 1 to this Agreement.

(iii) "Standby Costs" shall be that portion of the Variable Operating/Maintenance Costs for liquids treatment capacity and for solids handling capacity determined necessary to maintain the SERRA Plant, assuming no flow through the plant occurs. Standby Costs shall be determined for both liquids treatment capacity and solids handling capacity, under the following formula:

(A) multiplying a varying percentage (as determined through the annual budget process) by certain line items in the budgeted Variable Operation/Maintenance Costs;

(B) adding the resulting products under step (A), and apportioning the resulting sum fifty-fifty (50/50) between liquids treatment capacity and solids handling capacity;

(C) dividing the liquids capacity 50% apportionment amount arrived at under step (B) by 13 mgd to arrive at a "standby charge" per mgd of unused liquids treatment capacity, and dividing the solids handling capacity 50% apportionment amount arrived at under step (B) by 18.5 mgd to arrive at a standby charge per mgd of unused solids handling capacity;

(D) multiplying the liquids standby charge under step (C) by each PC 2 Member's average unused liquids treatment capacity during the prior fiscal year, and multiplying the solids standby charge under step (C) by each PC 2 Member's average unused solids handling capacity during the prior fiscal period, will yield each PC 2 Member's total Standby Costs apportionment.

(c) Unless otherwise agreed, the costs of (i) ~~replacing~~, modifying or upgrading any portion of the SERRA Plant or equipment having a life of five years or longer, or (ii) any facilities or equipment costing in excess of ONE THOUSAND DOLLARS (\$1,000.00) (hereinafter (i) or (ii) are "Capital Repairs/Improvements") shall be allocated on the basis of the liquids treatment capacity ownership percentages or the solids handling capacity ownership percentages (as applicable) set forth in Table 2 or Table 3 (as applicable) of Section 2.2 of Amendment No. 1 to this Agreement, as opposed to the average annual use of the SERRA Plant set forth as the allocation method under subsection (b)(i) above. The parties acknowledge that the budgeted costs for the Capital Repairs/Improvements are considered part of the annual operations and maintenance budget for PC 2, subject to the two-thirds budget approval established by Section 19 of the Joint Powers Agreement. The parties acknowledge that in accordance with Section 21 of the Joint Powers Agreement, for purposes of awarding contracts for the purchase of,

or for the design, inspection, construction management or construction of, budgeted capital Repairs/Improvements, approval by a majority of the PC 2 Members is required.

(d) SERRA shall install and maintain metering devices at the individual expense of the PC 2 Members whose flows will be measured by the metering devices for the purpose of determining the amount of liquid flows and solids being transmitted to the SERRA Plant for treatment.

(e) It is agreed that the actual costs of operation and maintenance during a fiscal year shall be reviewed at least quarterly, including a comparison to the approved operations and maintenance budget required by Section 19 of the Joint Powers Agreement. SERRA shall prepare a use audit at the end of for each fiscal year in order to reconcile the operation and maintenance costs budgeted and paid during such fiscal year by the PC 2 Members with the actual costs incurred by each PC 2 Member."

IV. GENERAL

Section 4.1 Indemnification. CBWD shall indemnify, hold harmless and defend SERRA and its member agencies (except CBWD), and each of their directors, officers, representatives, consultants, agents and employees from and against all assessments, penalties, fines, judgements, claims, damages, losses, injuries, expenses and other costs, including attorney's fees, arising out of or resulting from or in connection with, or alleged to arise out of or result from or in connection with CBWD's actions in connection with or related to the decommissioning and demolishing of the Victoria Plant. This indemnification includes without limitation any claims, assessments, fines and penalties imposed by the state of California or the United States government, including any state or federal agency or department.

Section 4.2 1984 Agreement. This Amendment No. 1 by its terms supersedes the 1984 Agreement, which is deemed by the Original PC 2 Members to be null and void as of the Execution Date.

CGVL Document

④
 Budget capacity
 cost for SERRA
 plant

CAPISTRANO BEACH WATER DISTRICT
 WASTEWATER TREATMENT AND DISPOSAL ALTERNATIVES COST SUMMARY
 DECEMBER 1995

| Item | I | II | IIA | III |
|--|------------------|------------------|----------------------------|------------------|
| | 1.75 | 6.14, Solids | 2016.15, 100 W EQUALIZE | |
| Victoria WWTP Improvements | | | | |
| Chemical Augmentation (Enhanced Sedimentation) | | 0 | 0 | |
| Upgrade Primary Sedimentation Tanks | | 0 | 0 | |
| Upgrade Influent Pumping Station | | | | 168,800 |
| Demolition of Victoria Plant | | | | 250,000 |
| Upgrade Trickling Filter / Recirculation Pumping Station | 233,000 | 233,000 | 233,000 | |
| Solids Treatment | 1,426,000 | | | |
| Odor Control | 335,000 | | | |
| Upgrade Influent and Effluent Pumping Stations | 239,000 | 239,000 | 239,000 | |
| Upgrade Sand Filters | 45,000 | 45,000 | 45,000 | |
| Secondary Sedimentation Tank | 539,000 | 539,000 | 539,000 | |
| Replace Trickling Filter Media | 360,000 | 360,000 | 360,000 | |
| Plant Wide | 550,000 | 550,000 | 550,000 | |
| Subtotal, Victoria WWTP Construction Cost | 3,727,000 | 1,966,000 | 1,966,000 | 418,800 |
| Construction Contingency 30 Percent | 1,118,100 | 589,800 | 589,800 | 125,640 |
| Administration, Permits, and Engineering 10 Percent | 372,700 | 196,600 | 196,600 | 41,880 |
| Sludge forcemain and equalization Tank | | | 936,000 | |
| Subtotal Victoria WWTP Improvements Construction Cost | 5,217,800 | 2,752,400 | 3,688,400 | 586,320 |
| Cost to Purchase Capacity at SERRA Plant | | | | |
| Liquids | 0 | 0 | 0 | 3,557,100 |
| Solids | 0 | 3,557,000 | 3,557,000 | 3,557,100 |
| Capital Improvement Projects | | 54,000 | 54,000 | 1,165,300 |
| Subtotal Cost to Purchase Capacity at SERRA Plant | 0 | 3,611,000 | 3,611,000 | 8,279,500 |
| TOTAL CAPITAL INVESTMENT | 5,217,800 | 6,363,400 | 7,299,400 | 8,865,820 |
| Annual Cost Victoria WWTP | | | | |
| Plant Improvements | 523,000 | 271,900 | 271,900 | 59,700 |
| Operations and Maintenance | 769,600 | 503,400 | 507,400 | 102,000 |
| Subtotal Annual Cost Victoria WWTP | 1,292,600 | 775,300 | 779,300 | 161,700 |
| Annual Cost SERRA Plant | | | | |
| Purchase Capacity | 0 | 284,600 | 284,600 | 569,100 |
| Projected Capital Improvements | 0 | 5,500 | 5,500 | 118,600 |
| Operations and Maintenance | 0 | 183,000 | 183,000 | 375,900 |
| Forcemain and Equalization Tank | | | 88,500 | |
| Subtotal Annual Cost SERRA Plant | 0 | 473,100 | 561,600 | 1,063,600 |
| TOTAL ANNUAL COST | 1,292,600 | 1,248,400 | 1,340,900 | 1,225,300 |

* Force main
 Equalization tank

**Allocation of Operation and Maintenance and Capital Improvement Projects at SERRA Plant
No Participation From CBSD
Alternative I**

TABLE 1 A - SERRA PLANT OWNERSHIP

| AGENCY | OWNERSHIP | | | |
|--------|-----------|---------|--------|---------|
| | LIQUID | | SOLIDS | |
| | MGD | PERCENT | MGD | PERCENT |
| SMWD | 3.00 | 23.08 | 6.00 | 32.43 |
| CSJC | 4.50 | 34.62 | 6.30 | 34.05 |
| CBWD | 0.00 | 0.00 | 0.00 | 0.00 |
| DPSD | 2.50 | 19.23 | 2.20 | 11.89 |
| MNWD | 3.00 | 23.08 | 4.00 | 21.62 |
| Total | 13.00 | 100.00 | 13.50 | 100.00 |

TABLE 1 B - OPERATION AND MAINTENANCE COST ALLOCATION - LIQUID FACILITIES

| AGENCY | Ownership Liquid | | Current Flow, MGD | Unused Capacity, MGD | Unused Capacity (Percent) | Stand-by Charge, Dollars | Current Flow, Percent | Cost Dollars | | Resulting Percent |
|--------|------------------|---------|-------------------|----------------------|---------------------------|--------------------------|-----------------------|------------------|-----------|-------------------|
| | MGD | Percent | | | | | | For Current Flow | Total | |
| | SMWD | 3.00 | | | | | | 23.08 | 2.86 | |
| CSJC | 4.50 | 34.62 | 2.81 | 1.69 | 36.41 | 60,333 | 32.67 | 377,396 | 437,729 | 33.36 |
| CBWD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 |
| DPSD | 2.50 | 19.23 | 1.50 | 1.00 | 22.73 | 35,700 | 17.44 | 201,457 | 237,157 | 18.07 |
| MNWD | 3.00 | 23.08 | 1.43 | 1.57 | 35.38 | 56,049 | 16.53 | 192,056 | 248,105 | 18.91 |
| Total | 13.00 | 100.00 | 8.60 | 4.40 | 100.00 | 157,080 | 100.00 | 1,155,020 | 1,312,100 | 100.00 |

TABLE 1 C - OPERATION AND MAINTENANCE COST ALLOCATION - SOLIDS FACILITIES

| AGENCY | Ownership Solids | | Current Flow, MGD | Unused Capacity, MGD | Unused Capacity (Percent) | Stand-by Charge, Dollars | Current Flow, Percent | Cost Dollars | | Resulting Percent |
|--------|------------------|---------|-------------------|----------------------|---------------------------|--------------------------|-----------------------|------------------|-----------|-------------------|
| | MGD | Percent | | | | | | For Current Flow | Total | |
| | SMWD | 6.00 | | | | | | 32.43 | 3.31 | |
| CSJC | 6.30 | 34.05 | 2.92 | 3.38 | 38.02 | 84,804 | 30.39 | 426,499 | 511,303 | 31.43 |
| CBWD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0 | 0 | 0.00 |
| DPSD | 2.20 | 11.89 | 1.73 | 0.47 | 5.29 | 11,792 | 18.00 | 252,686 | 264,478 | 16.26 |
| MNWD | 4.00 | 21.62 | 1.65 | 2.35 | 26.43 | 58,962 | 17.17 | 241,001 | 299,963 | 18.44 |
| Total | 18.50 | 100.00 | 9.61 | 8.89 | 100.00 | 223,050 | 100.00 | 1,403,650 | 1,626,700 | 100.00 |

TABLE 1 D - OPERATION AND MAINTENANCE COST ALLOCATION - COMMON FACILITIES

| AGENCY | Ownership | | | | | | Total Cost Common Facilities | Common Resulting Percent |
|--------|-----------|---------|---------------|--------|---------|---------------|------------------------------|--------------------------|
| | Liquid | | | Solids | | | | |
| | MGD | Percent | Cost, Dollars | MGD | Percent | Cost, Dollars | | |
| SMWD | 3.00 | 23.08 | 72,092 | 6.00 | 32.43 | 101,319 | 173,411 | 27.75 |
| CSJC | 4.50 | 34.62 | 108,136 | 6.30 | 34.05 | 106,385 | 214,523 | 34.33 |
| CBWD | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0 | 0 | 0.00 |
| DPSD | 2.50 | 19.23 | 60,077 | 2.20 | 11.89 | 37,150 | 97,227 | 15.56 |
| MNWD | 3.00 | 23.08 | 72,092 | 4.00 | 21.62 | 67,546 | 139,638 | 22.35 |
| Total | 13.00 | 100.00 | 312,400 | 16.50 | 100.00 | 312,400 | 624,800 | 100.00 |

1/30/70

3

AGREEMENT BETWEEN
CITY OF SAN JUAN CAPISTRANO,
SANTA MARGARITA WATER DISTRICT,
MOULTON-NIGUEL WATER DISTRICT,
RELATIVE TO USE, CONSTRUCTION, OPERATION
AND MAINTENANCE OF SEWERAGE FACILITIES - 1970

THIS AGREEMENT made and entered into as of the 21st
day of January, 1971, by and between the CITY OF
SAN JUAN CAPISTRANO, a municipal corporation (hereinafter
referred to as "San Juan"), SANTA MARGARITA WATER DISTRICT
and MOULTON-NIGUEL WATER DISTRICT, which are public corpora-
tions, organized and existing under the California Water
District Law, Division 13 of the Water Code of the State of
California, Section 34000 and following (hereinafter respec-
tively referred to as "Santa Margarita", and "Moulton-Niguel");

W I T N E S S E T H :

WHEREAS, the SOUTH EAST REGIONAL RECLAMATION AUTHORITY
has heretofore been created by that certain Joint Powers
Agreement entitled "Joint Exercise of Powers Agreement Creat-
ing South East Regional Reclamation Authority, Orange County,
California, (SERRA)" dated March 9, 1970, and

WHEREAS, each of the parties to this Agreement also is
a party to the Joint Powers Agreement whereby the South East
Regional Reclamation Authority was created, and

WHEREAS, the South East Regional Reclamation Authority
has been pursuing projects to meet the needs for sewerage
facilities of all of the participants in the South East
Regional Reclamation Authority, but is not prepared to com-
mence construction thereof at this time, and

San Juan Cap'o Sewage Treatment Plant

as all the costs of operating the treatment plant as expanded shall be allocated and paid as provided in Section 6 hereof.

SECTION 5. CONSTRUCTION.

X (a) Oso Trabuco Interceptor Sewer. Santa Margarita and Moulton-Niguel agree to cause the Oso Trabuco Interceptor Sewer to be constructed by a point in time which would coincide with the completion of construction of the expansion of the San Juan treatment plant which expansion is hereinafter more specifically described. The allocation of the capacity and cost of the Oso Trabuco Interceptor Sewer shall be a matter of separate agreement between Santa Margarita and Moulton-Niguel. It is agreed that upon completion and commencement of use of the Oso Trabuco Interceptor Sewer by Santa Margarita and Moulton-Niguel, as hereinabove provided, the amount of the payments to San Juan under Section 4 hereof by Moulton-Niguel shall be adjusted by an amount equal to that portion of the total rental set forth in Section 4 attributable to the portion of the San Juan sewer facilities no longer necessitated by reason of the construction of the Oso Trabuco Interceptor Sewer. For the purpose of this calculation, the parties shall use the cost figures set forth in the ~~Letter of~~ Lowry Engineering Science, dated February 10, 1969, addressed to the City Council of San Juan, which document is Exhibit "B" hereto.

(b) Additional Facilities. During the term of this Agreement, it may be determined that the surplus capacity in the San Juan 7 MGD Land Outfall depicted on Exhibit "A" hereto may not be adequate to handle the requirements of one or more of the parties to this Agreement. In such event any such party may so notify the other parties hereto in writing and Santa Margarita and Moulton-Niguel shall, at their own expense, within twelve (12) months from the date of said notification build an interceptor sewer paralleling such facility. The capacity and cost thereof shall be a matter of separate agreement between

6

MEMORANDUM

DATE: July 8, 2013

TO: [See Distribution List]

FROM: Tom Rosales, General Manager

SUBJECT: Discussion of PC 2 Cost Allocations

The purpose of this memo is to provide background information for the discussion on July 8, 2013 regarding the current Project Committee 2 cost allocation methodologies, specifically how the allocations affect the Moulton Niguel Water District and the Santa Margarita Water District. The intent of the meeting between is to outline the current practices with an understanding that there may be a desire to change and/or improve those practices and methodologies. Subsequent meetings will include dialogue with representatives from the South Coast Water District and the City of San Juan Capistrano.

FLOW MONITORING and COST ALLOCATION

- Plant costs have been apportioned to member agencies based on a combination of sewage flows to the treatment plant and wastewater strength characterization. SOCWA provides a monthly summary of each member agency's sewage flows and wastewater influent strength data in a summary table found in the Board packet.
- Sewage flows and wastewater strength data are derived from monthly J.B. Latham Plant influent flow metering and monitoring, as well as portable flow and sampling results from remote locations on the Oso Trabuco and San Juan sewage trunk lines.
- Flow monitoring on the Oso Trabuco trunk line, which carry MNWD and SMWD sewage flows, is done utilizing a portable flow monitoring device over a 7-10 day period each month. The flow data is extrapolated and averaged to represent that particular month. From the collected data, 1.4 MGD is allocated to MNWD and the remainder is allocated to SMWD. This practice is adjusted if either the 3A WRP or the Oso Creek WRP flows are being diverted to the JB Latham facility and this extra flow is allocated to SMWD. The JB Latham facility's effluent metering system data may be consulted in this case, to serve as verification for allocating the appropriate amount of the extra flow to SMWD.

Table 1 - Flow Monitoring Methodology

| Agency | Flow Monitoring Method |
|--------|---|
| CSJC | Portable Metering 7 – 10 days/month |
| MNWD | Agreed upon constant of 1.4 MGD |
| SMWD | Portable Metering 7 – 10 days/month |
| SCWD | Plant #2 Q Meter plus Victoria Pump Station Q |

Table 2 below provides an overview of several data sets. (1) The actual influent flow monitoring for 2012 (all agencies) is shown in comparison with the 2012 effluent flows, along with figures used in SOCWA's budget for 2013/14. (2) The same is shown (influent versus effluent) as a three-year average (2010-2012) shown in the last two columns.

Table 2 – Overview of Flow Data and Budgeting

| Agency | Metered influent flow 2012 | Sewer | Budget 2013/14 | Metered effluent flow 2012 | Metered influent 3-yr avg. | Metered effluent 3-yr avg. |
|---------------|----------------------------|-------------------------------|----------------|----------------------------|----------------------------|----------------------------|
| CSJC | 3.160 | San Juan | 3.16 | | 3.17 | |
| MINWD | 1.40 | Oso Trabuco (Total = 3.64) | 1.40 | | 1.40 | |
| SMWD | 2.24 | | 2.24 | | 2.203 | |
| SCWD | 2.08 | Victoria and Dana Pt. | 2.38 | | 2.538 | |
| Totals | 8.88 | | 9.18 | 9.095 | 9.311 | 9.30 |

JYB L

With respect to monitoring sewage flows and the allocation of those resulting cost impacts, I'm proposing that we have a discussion on the following concepts:

1. A "do nothing" alternative, wherein we continue to utilize the long standing practices of flow monitoring, cost allocation and budgeting.
2. A discussion that considers the development of standardizing influent flow monitoring at each location for the purpose of gathering more precise information for allocation and budgeting.
3. Develop a cost allocation and budgeting standard that is structured on an agreed upon flow for each PC2 member, based on historical flow and strength characteristics. This approach would only rely on portable flow monitoring on a periodic basis (every 3 to 5 years). Adjustments could be built into this approach in the event that upstream facilities (3A and Oso Creek WRPs) are offline and are sending flow to the JB Latham Plant.

SOLIDS FACILITY ALLOCATIONS

The Project Committee 2 agreement of 1984 sets an ownership capacity of 13.0 mgd for the liquids portion of the treatment facility and 18.5 mgd for the solids portion. Table 3 provides a breakdown of the solids ownership.

Table 3 – Project Committee 2 Solids Ownership

| Agency | Ownership (mgd) | Ownership % |
|---------------|-----------------|-------------|
| CSJC | 5.55 | 30 |
| MINWD | 4.0 | 21.62 |
| SMWD | 5.25 | 28.38 |
| SCWD | 3.7 | 20 |
| Totals | 18.5 | 100 |

The 1984 agreement appears to have codified a combination of solids related capital investments (improved solids dewatering) and engineering evaluations. The solids capacity expansion from 13 mgd to 18.5 mgd was specifically for SMWD and MINWD to be able to

discharge solids from their respective treatment plants (3A and Oso Creek WRP). Past agreements make no mention of the design criteria on a solids loading basis like pounds per day, parts per million, etc. This appears to have led to the different capacity determinations over the years with and without actual capital improvements. Table 4 outlines the current practices by SOCWA to collect loadings information for the purpose of allocating costs to each respective agency:

Table 4 – Current Sampling Protocol (to sample TSS and BOD)

| Agency | Sewer | Sampling Type | Frequency |
|--------|---------------|---------------|-----------------|
| CSJC | San Juan | Composite | 7-10 days/month |
| MNWD | Oso Trabuco | Composite | 7-10 days/month |
| SMWD | Oso Trabuco | Composite | 7-10 days/month |
| SCWD | Dana Point SD | Composite | Continuous |
| SCWD | Victoria LS | Grab | 1-2 per month |

There are a few issues with respect to the current sampling protocol:

- The composite samples taken for Oso Trabuco are not from engineered systems and produce highly variable results. Adding to the unknown is the fact that it's essentially impossible to determine how much of the loading should be assigned to MNWD and how much to SMWD. Looking through financial data from previous years, it appears that the wastewater strengths for these two agencies were based on factors that were not documented. For the FY 2013/14 budget, staff took the annual average of TSS/BOD from the 2012 monitoring and allocated it according to the flows depicted in Table 2.
- Since the grab samples from South Coast Water District's Victoria LS is an infrequent grab sample (done by SCWD staff), this data set is not used and SCWD uses the wastewater strength data from the Dana Point SD sewer instead.

STANDBY COST ALLOCATIONS

Standby costs are determined for liquids treatment capacity and solids treatment capacity by a formula derived from:

- Step 1: Multiplying varying percentages for Variable O&M costs (budget estimates) which results in an estimated overall Standby Cost
- Step 2: The Overall Standby Costs (results from Step 1) are then split 50%/50% to liquids and solids, respectively
- Step 3: The calculated Liquids Standby cost is divided by 13 mgd to arrive a Standby charge per mgd of unused liquids treatment capacity
- Step 4: The calculated Solids Standby costs is divided by the solids handling capacity in pounds to arrive at a standby charge allocated per lb of solids
- The costs in Steps 3 and 4 above are then calculated by each member agency's average unused capacity during the prior year (for liquids and solids separately), which will yield the each member agency's total Standby Costs apportionment.

As with the comment earlier in this memo about proposing to have a discussion about the current practices on sewage flow monitoring, allocation and budgeting (Table 2 data), I believe we should discuss the practices that current employ for allocating for Solids and Standby costs.

Memo – PC2 discussion, 7/8/13

Page 4 of 4

I look forward to meeting with you on Tuesday.

Distribution List

Joone Lopez, MNWD
Dan Ferons, SMWD
Jason Simpson, SOCWA
Jim Burror, SOCWA
Brennon Flahive, SOCWA
File

7

Betty Burnett

From: Robert Gumerman <robertgumerman@gmail.com>
Sent: Monday, November 07, 2016 12:14 PM
To: Betty Burnett
Cc: jschatz13@cox.net; Teri Noson
Subject: Re: SOCWA History - I need your help

Hi Betty and John,

When I came to MNWD in 2001 as the AGM, it is my recollection that flows in the Oso-Trabuco were allocated between MNWD and SMWD on a 60%/40% basis, and I believe MNWD was the 60% partner. There was no precise basis for this, but apparently it was previously decided that this was a rational split based on the land use area in each District that was tributary to the Oso-Trabuco. Recall that the 3A plant was already on line at that time.

Mike Demaree was always hounding me that MNWD and SMWD should come up with something better than 60/40 for the split, but such an analysis would be complicated because of the different locations that the District's contribute flow to the Oso-Trabuco. At that time I believe Dan F and I probably had bigger fish to fry than worrying about the split, as we were both happy with it.

That is my historical perspective. Why it got changed to 1.4 mgd for MNWD in 2013 is something I can not address, since I left MNWD in June 2012.

Best of luck with this Betty and it is so nice to hear from you again. As I side thought, you may also want to contact Dan and find out what his recollection is.

Bob

On Mon, Nov 7, 2016 at 10:14 AM, Betty Burnett <bburnett@socwa.com> wrote:

Hi Bob and John: Attached is a staff memo from Tom Rosales that discusses the allocation between SMWD and MNWD as to flow at the JB Latham Plant. I am not finding historical references or documents here as to when or how the 1.4 allocation decision was made, we just know it was "historical." Mike Dunbar thinks it would date back to the construction of the OSO Plant in '97 or '98. In my documents here the '12-'13 budget year was the earliest recent time that the 1.4 mgd was applied. Do you recall this issue at all and if you can help me I'd be very grateful.

Betty Burnett

GM, SOCWA

I Hewitt

**South Orange County Wastewater Authority
PC 15 Common Costs FY 2015-16 Actual**

| Wastewater Common Liquids | | | |
|---------------------------|---|------------------|------------------|
| 15 | Regular Salaries-O&M | 15-5000-01-03-00 | 177,094 |
| 15 | Regular Salaries-O&M | 15-5000-02-03-00 | 20,890 |
| 15 | Overtime Salaries-O&M | 15-5001-01-03-00 | 288 |
| 15 | Electricity | 15-5002-01-03-00 | 7,016 |
| 15 | Natural Gas | 15-5003-01-03-00 | 97 |
| 15 | Water | 15-5004-01-03-00 | 10,750 |
| 15 | Landscaping | 15-5013-01-03-00 | 80,757 |
| 15 | Engineering - Misc. | 15-5014-01-03-00 | 149,738 |
| 15 | Management Support Services | 15-5015-01-03-00 | 16,607 |
| 15 | Legal Fees | 15-5017-01-03-00 | 88,605 |
| 15 | Contract Services Misc - 29 | 15-5019-01-03-00 | 56,828 |
| 15 | Small Vehicle Expense - 31A | 15-5021-01-03-00 | 1,321 |
| 15 | Miscellaneous Expense | 15-5022-01-03-00 | 660 |
| 15 | Office Supplies - All | 15-5023-01-03-00 | 7,184 |
| 15 | Uniforms | 15-5025-01-03-00 | 1,289 |
| 15 | Small Vehicle Fuel - 37A | 15-5026-01-03-00 | 591 |
| 15 | Insurance - Property/Liability | 15-5027-01-03-00 | 42,357 |
| 15 | Insurance - Property/Liability | 15-5027-02-03-00 | 3,419 |
| 15 | Small Tools & Supplies | 15-5028-01-03-00 | 8,183 |
| 15 | Trash Disposal | 15-5030-01-03-00 | 1,153 |
| 15 | Safety Supplies | 15-5031-01-03-00 | 15,036 |
| 15 | Safety Supplies | 15-5031-02-03-00 | 11,916 |
| 15 | Equipment Rental | 15-5032-01-03-00 | 274 |
| 15 | Travel Expense/Tech. Conferences | 15-5034-01-03-00 | 1,845 |
| 15 | Training Expense | 15-5035-01-03-00 | 6,043 |
| 15 | Training Expense | 15-5035-02-03-00 | 105 |
| 15 | Office Equipment | 15-5037-01-03-00 | 654 |
| 15 | Permits | 15-5038-02-03-00 | 2,229 |
| 15 | Membership Dues/Fees | 15-5039-01-03-00 | 764 |
| 15 | Membership Dues/Fees | 15-5039-02-03-00 | 84,530 |
| 15 | Contract Services Generators - 29A | 15-5050-01-03-00 | 3,099 |
| 15 | Janitorial Services | 15-5052-01-03-00 | 9,919 |
| 15 | Maintenance Equip. & Facilities (Common) 41-C | 15-5058-01-03-00 | 20,872 |
| 15 | Mileage | 15-5061-01-03-00 | 243 |
| 15 | IT Direct | 15-5077-01-03-00 | 96,056 |
| 15 | Group Insurance Waiver | 15-5303-01-03-00 | 650 |
| 15 | Medicare Tax Payments for Employees | 15-5305-01-03-00 | 578 |
| 15 | Fringe Benefits in to PC's & Depts. | 15-5401-01-03-00 | 138,134 |
| 15 | Fringe Benefits in to PC's & Depts. | 15-5401-02-03-00 | 16,294 |
| 15 | Standby Pay | 15-5700-01-03-00 | 1,233 |
| 15 | Monthly Car Allowance | 15-5705-01-03-00 | 1,051 |
| 15 | IT Allocations in to PC's & Depts. | 15-6500-01-03-00 | 107,222 |
| 15 | IT Allocations in to PC's & Depts. | 15-6500-02-03-00 | 16,196 |
| | rounding | | (2) |
| Total | | | 1,211,486 |

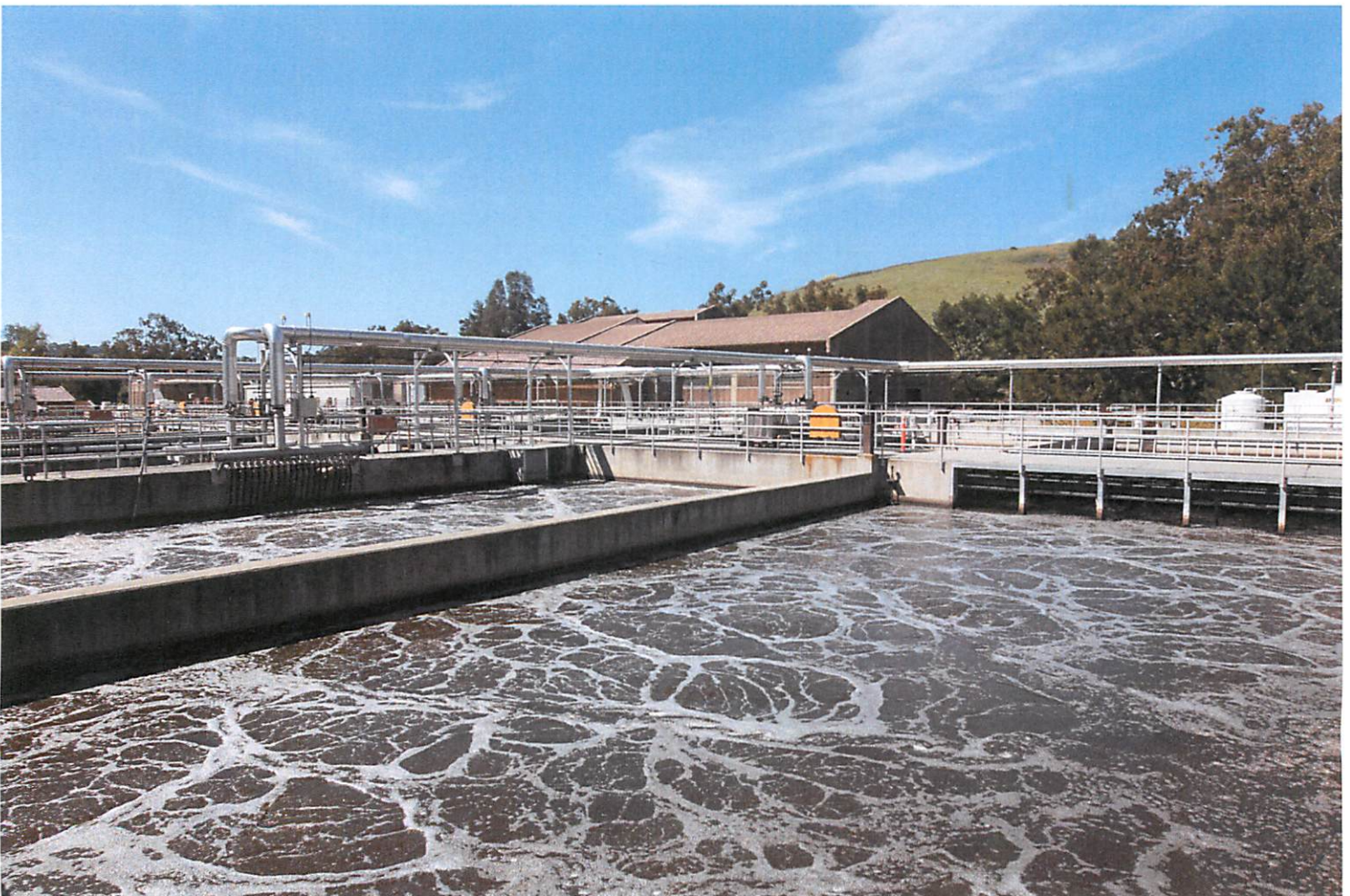
| Allocation by Member Agency | | | |
|-----------------------------|-----------|-----------|---------------|
| Common Liquids | | | |
| Budget | Actual | Variance | |
| 281,487 | 459,275 | (177,788) | |
| 22,204 | 36,225 | (14,021) | |
| 217,190 | 354,356 | (137,166) | |
| 221,644 | 361,630 | (139,986) | |
| 742,525 | 1,211,486 | (468,961) | |
| | | | -63.2% |

| Spending Variance | | | |
|-------------------|--------|------------|--|
| Common Liquids | | | |
| Budget | Actual | % Variance | |
| 37.9% | 37.9% | 0.0% | |
| 3.0% | 3.0% | 0.0% | |
| 29.3% | 29.2% | 0.0% | |
| 29.9% | 29.9% | 0.0% | |
| 100.0% | 100.0% | 0.0% | |

SOCWA Fringe Pool - Budget vs Actual
FY 2015-16

| <i>Fringe Pool</i> | 2015-16 Budget | 2015-16 Actual | (Over)/ Under Budget | % Budget Expended |
|---------------------------|-------------------|-------------------|----------------------------|-------------------------|
| Vacation | 390,988 | 372,526 | 18,462 | 95.28% |
| Holiday | 221,765 | 221,783 | (18) | 100.01% |
| Sick Time | 264,638 | 242,262 | 22,376 | 91.54% |
| Personal Time | 76,031 | 74,238 | 1,793 | 97.64% |
| Bereavement Pay | 0 | 1,345 | (1,345) | 0.00% |
| Admin Leave | 0 | 34,879 | (34,879) | 0.00% |
| Disability Insurance | 63,763 | 51,728 | 12,035 | 81.13% |
| Group Medical Insurance | 928,303 | 948,341 | (20,038) | 102.16% |
| Pers Retirement | 815,601 | 950,451 | (134,850) | 116.53% |
| Medicare tax | 101,479 | 94,167 | 7,312 | 92.79% |
| Workers' Compensation | 198,517 | 76,883 | 121,634 | 38.73% |
| Unemployment Insurance | 0 | 1,378 | (1,378) | 0.00% |
| Retiree Health | 771,347 | 781,389 | (10,042) | 101.30% |
| 457 Plan - Employer Match | 73,700 | 66,420 | 7,280 | 0.00% |
| Totals | 3,906,132 | 3,917,790 | (11,658) | 100.30% |

South Orange County Wastewater Authority
USE AUDIT Book
FY 2015-16 Budget vs. Actual
Updated November 29, 2016



**South Orange County Wastewater Authority
USE AUDIT Book
FY 2015-16 Budget vs. Actual**

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



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

MANAGEMENT'S DISCUSSION AND ANALYSIS of FY 2015-16 USE AUDIT

| Actual Spending and Actual Usage | | | | | | |
|----------------------------------|-------------------|-------------------|---------------------|---------------------|---------------------|-------------------|
| | O&M | | | Small Capital | Large Capital | USE Audit Results |
| | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | |
| SOCWA by Member Agency | | | | | | |
| City of Laguna Beach | 1,990,298 | 1,927,334 | 62,964 | (10,679) | (55,149) | (2,865) |
| City of San Clemente | 143,305 | 96,253 | 47,053 | | | 47,053 |
| City of San Juan Capistrano | 2,238,795 | 1,868,009 | 370,786 | 42,390 | | 413,176 |
| El Toro Water District | 868,212 | 731,459 | 136,753 | 1,365 | | 138,118 |
| Emerald Bay Service District | 80,822 | 85,067 | (4,246) | (867) | (4,342) | (9,455) |
| Irvine Ranch Water District | 241,964 | 127,723 | 114,240 | | | 114,240 |
| Moulton Niguel Water District | 8,006,227 | 8,393,893 | (387,666) | 196,770 | (108,710) | (299,605) |
| Santa Margarita Water District | 1,769,400 | 1,808,872 | (39,472) | 85,048 | | 45,576 |
| South Coast Water District | 3,236,962 | 3,317,016 | (80,054) | 27,760 | (43,425) | (95,719) |
| Trabuco Canyon Water District | 25,640 | 20,940 | 4,700 | | | 4,700 |
| Total Member Agency | 18,601,624 | 18,376,566 | 225,058 | 341,787 | (211,626.07) | 355,219 |

The USE AUDIT results are comprised of:

- O&M Spending and/or Usage Variance, \$225k, or 1.2% under budget
- Small Capital Spending Variance, \$342k, under budget
- Completed Large Capital Projects, (\$212k) over budget
- Net Refund Due is \$355k.

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.

O&M Usage Variances at Summary Level:

The significant swings amongst Member Agencies are primarily due to (increased)/decreased usage (flows, solids loading, labor usage, etc.) in comparison to Budget.

- Moulton Niguel Water District O&M variance is (\$388k) over budget primarily due to increased/ over budget usage totaling (\$358k) (see chart on page 2)
- City of San Juan Capistrano O&M variance is \$371k under budget primarily due to lower/under budget usage totaling \$394k (see chart on page 2)



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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 \$ |
|--------------------------------------|------------------------------|
| City of Laguna Beach | 40,272 |
| City of San Clemente | (2,312) |
| City of San Juan Capistrano | 393,729 |
| El Toro Water District | 81,181 |
| Emerald Bay Service District | 3,392 |
| Irvine Ranch Water District | (6,446) |
| Moulton Niguel Water District | (357,688) |
| Santa Margarita Water District | (48,489) |
| South Coast Water District | (103,560) |
| Trabuco Canyon Water District | (79) |
| Total Member Agency | 0 |

O&M Spending and Usage Variance at Project Committee Level:

PC 2

The Project Committee was (\$359k) over budget primarily due to:

- Fringe rate change due to retirements, (\$95k)
- Repair and Maintenance costs, (\$66k), broken equipment and projects due to construction-in-progress shutdowns and tie-ins
- Consolidated expenses identified to PC, Budgeted as Admin., (\$55k)
- Labor,(\$37k), increased biosolids hauling
- Legal fees for Zephyr, Condo project; (\$40k)
- IT Systems Improvements, (\$28k), Tabware, Finance, etc.
- Standby costs, (\$20k)
- IT Direct (\$18k); Board approved additional spending
- Non-Capital Engineering, (\$18k)
- Grit Hauling, (\$16k), due to failed equipment
- Property and Liability Insurance, (\$14k)
- Increased Odor Control contract costs, (\$12k)
- Landscaping, (\$12k), due to falling trees, removals

There were offsets to the above costs such as electricity, \$168k.



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PC 2 continued

The following discussion is at the wastewater (liquids, solids, common, and AWT) level;
 The impact of budget vs. actual spending and usage:

Budget vs. Actual Spending:

| Member Agency | Liquids | | | Solids | | |
|--------------------------------|------------------|------------------|---------------|------------------|------------------|------------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| City of San Juan Capistrano | 791,112 | 632,644 | 158,468 | 725,480 | 595,362 | 130,118 |
| Moulton Niguel Water District | 347,283 | 408,222 | (60,939) | 438,156 | 640,355 | (202,199) |
| Santa Margarita Water District | 446,330 | 437,296 | 9,034 | 563,346 | 661,270 | (97,924) |
| South Coast Water District | 496,061 | 513,167 | (17,106) | 446,416 | 535,048 | (88,632) |
| Total | 2,080,786 | 1,991,329 | 89,457 | 2,173,398 | 2,432,035 | (258,637) |
| | | | 4.3% | | | -11.9% |

Budget vs. Actual Usage:

| Member Agency | Liquids | | | Solids | | |
|--------------------------------|---------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of San Juan Capistrano | 38.0% | 31.8% | 6.2% | 33.4% | 24.5% | 8.9% |
| Moulton Niguel Water District | 16.7% | 20.5% | -3.8% | 20.2% | 26.3% | -6.2% |
| Santa Margarita Water District | 21.5% | 22.0% | -0.5% | 25.9% | 27.2% | -1.3% |
| South Coast Water District | 23.8% | 25.8% | -1.9% | 20.5% | 22.0% | -1.5% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

Liquids Variance:

- Liquids spending variance was \$89k or 4.3% under budget, however, the Usage variance resulted in swings amongst the PC participants.
- MNWD usage was up (3.8%) resulting in (\$61k) additional assessments
- CSJC usage was down 6.2% resulting in a refund of \$158k

Solids Variance:

- Solids spending variance was (\$259k) or (11.9%) over budget
- MNWD usage was up (6.2%) resulting in additional assessments of (\$202k)
- SMWD usage was up (1.3%) resulting in additional assessments of (\$98k)
- SCWD usage was up (1.5%) resulting in additional assessments of (\$89k)
- CSJC usage was down 8.9% resulting in \$130k refund.



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PC 2 continued

Common variance is 100 % Spending due to increased spending for landscaping, insurance, legal, IT direct, non-capital engineering, management support, contract services and misc. expenses.

| Member Agency | Common - Liquids | | | Common - Solids | | |
|--------------------------------|------------------|----------------|-----------------|-----------------|----------------|-----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| City of San Juan Capistrano | 148,966 | 178,158 | (29,192) | 145,240 | 173,696 | (28,456) |
| Moulton Niguel Water District | 111,723 | 133,632 | (21,909) | 104,678 | 125,180 | (20,502) |
| Santa Margarita Water District | 83,791 | 100,162 | (16,371) | 137,387 | 164,319 | (26,932) |
| South Coast Water District | 139,652 | 167,038 | (27,386) | 96,825 | 115,801 | (18,976) |
| Total | 484,132 | 578,990 | (94,858) | 484,130 | 578,996 | (94,866) |

| Member Agency | Spending Variance Common - Liquids | | | Spending Variance Common - Solids | | |
|------------------------------------|---------------------------------------|---------------|-------------|--------------------------------------|---------------|-------------|
| | 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 | 17.3% | 17.3% | 0.0% | 28.4% | 28.4% | 0.0% |
| South Coast Water District | 28.8% | 28.8% | 0.0% | 20.0% | 20.0% | 0.0% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |
| No Change in Allocation %'s | | | | | | |

PC 15

The Project Committee was (\$144k) over budget primarily due to:

- SCADA project, (\$96k), approved by the Board
- Engineering misc., (\$95k)
- AWMA Bridge Legal Costs, (\$89k); this amount was offset against settlement with the County.
- Property and Liability Insurance, (\$46k)
- Access Road, (\$41k), for supporting Bridge Transfer-Guard

There were various offsets to the above costs, such as electricity, \$70k.



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

PC 15 continued

The following discussion is at the wastewater (liquids, solids, common, and AWT) level;
 The impact of budget vs. actual spending and usage:

Budget vs. Actual Spending:

| Member Agency | Liquids | | | Common Liquids | | | AWT | | |
|-------------------------------|------------------|------------------|----------------|----------------|------------------|------------------|----------------|----------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| City of Laguna Beach | 961,237 | 743,284 | 217,953 | 281,487 | 459,275 | (177,788) | | | |
| Emerald Bay Service District | 29,975 | 21,482 | 8,493 | 22,204 | 36,225 | (14,021) | | | |
| Moulton Niguel Water District | 0 | 0 | 0 | 217,190 | 354,356 | (137,166) | | | |
| South Coast Water District | 594,731 | 491,627 | 103,104 | 221,644 | 361,630 | (139,986) | 336,980 | 341,521 | (4,541) |
| Total | 1,585,943 | 1,256,393 | 329,550 | 742,525 | 1,211,486 | (468,961) | 336,980 | 341,521 | (4,541) |
| | | | 20.8% | | | -63.2% | | | -1.3% |

Budget vs. Actual Usage:

| Member Agency | Liquids | | | Common Liquids | | | AWT | | |
|-------------------------------|---------------|---------------|-------------|----------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of Laguna Beach | 60.6% | 59.2% | 1.4% | 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% | 29.2% | 0.0% | 0.0% | 0.0% | 0.0% |
| South Coast Water District | 37.5% | 39.1% | -1.6% | 29.9% | 29.9% | 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 \$330k or 20.8% under budget.
- CLB Usage is 1.4% under budget resulting in a refund of \$218k.
- SCWD Usage is (1.6%) over budget but a refund is due because of lower spending.

Common Variance:

- The variance is 100% spending, due to increased spending for engineering miscellaneous, legal, insurance, safety, access road and IT direct.



South Orange County Wastewater Authority
 31156 Del Obispo Street, Dana Point CA. 92629
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PC 17

The Project Committee was (\$347k) over budget primarily due to:

- SCADA system, (\$160k), approved by Board
- Fringe rate change due to retirements, (\$114k)
- Property and Liability Insurance, (\$58k)
- Labor, (\$47k)
- Consolidated expenses identified to PC, budgeted as Admin., (\$31k)
- Standby Pay, (\$20k)

There were offsets to the above costs such as Chlorine usage, \$167k.

The following discussion is at the wastewater (liquids, solids, common, and AWT) level;
 The impact of budget vs. actual spending and usage:

Budget vs. Actual Spending:

| Member Agency | Liquids | | | Solids | | | AWT | | |
|-------------------------------|------------------|------------------|---------------|------------------|------------------|------------------|----------------|----------------|----------------|
| | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| City of Laguna Beach | 3,390 | 3,167 | 223 | 347,372 | 371,100 | (23,728) | 0 | 0 | 0 |
| El Toro Water District | 3,989 | 3,661 | 328 | 433,744 | 427,822 | 5,922 | 0 | 0 | 0 |
| Emerald Bay Service District | 201 | 101 | 100 | 10,729 | 10,864 | (135) | 0 | 0 | 0 |
| Moulton Niguel Water District | 1,983,772 | 1,973,975 | 9,797 | 1,675,431 | 1,962,308 | (286,877) | 830,480 | 617,436 | 213,044 |
| South Coast Water District | 1,994 | 1,984 | 10 | 215,129 | 244,990 | (29,861) | 0 | 0 | 0 |
| Total | 1,993,346 | 1,982,888 | 10,458 | 2,682,405 | 3,017,084 | (334,679) | 830,480 | 617,436 | 213,044 |
| | | | .5% | | | -12.5% | | | 25.7% |

Budget vs. Actual Usage:

| Member Agency | Liquids | | | Solids | | | Spending Variance | | |
|-------------------------------|---------------|---------------|-------------|---------------|---------------|-------------|-------------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of Laguna Beach | 0.2% | 0.2% | 0.0% | 13.0% | 12.3% | 0.7% | | | 0.0% |
| El Toro Water District | 0.2% | 0.2% | 0.0% | 16.2% | 14.2% | 2.0% | | | 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% | 65.0% | -2.6% | 100.0% | 100.0% | 0.0% |
| South Coast Water District | 0.1% | 0.1% | 0.0% | 8.0% | 8.1% | -0.1% | | | 0.0% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |



South Orange County Wastewater Authority
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PC 17 continued

Liquids Variance:

- Liquids spending is \$10k or .5% under budget
- MNWD received most of the benefits of the lower spending, \$9.7k, since its participation percentage is 99.6%.

Solids Variance:

- Solids spending is (\$335k) or (12.5%) over budget
- MNWD Usage is (2.6%) over budget resulting in additional assessments of (\$287k)
- The remaining agencies additional assessments are due to increased spending.

AWT Variance:

- AWT spending is \$213k or 25.7% under budget.

Common variance is 100% spending, due to increased spending for IT direct, insurance, engineering miscellaneous, management support and contract services.

| Member Agency | Common Liquids | | | Common Solids | | |
|-------------------------------|----------------|----------------|------------------|----------------|----------------|------------------|
| | Budget | Actual | Variance | Budget | Actual | Variance |
| City of Laguna Beach | 0 | 0 | 0 | 55,779 | 68,887 | (13,108) |
| El Toro Water District | 0 | 0 | 0 | 101,471 | 125,308 | (23,837) |
| Emerald Bay Service District | 0 | 0 | 0 | 2,934 | 3,620 | (686) |
| Moulton Niguel Water District | 497,159 | 616,402 | (119,243) | 292,428 | 361,133 | (68,705) |
| South Coast Water District | 0 | 0 | 0 | 44,546 | 55,007 | (10,461) |
| Total | 497,159 | 616,402 | (119,243) | 497,158 | 613,955 | (116,797) |
| | | | -24.0% | | | -23.5% |

| Member Agency | Spending Variance | | | Spending Variance | | |
|-------------------------------|-------------------|---------------|-------------|-------------------|---------------|-------------|
| | Common Liquids | | | Common Solids | | |
| | Budget | Actual | Variance | Budget | Actual | % Variance |
| 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 2015-16 USE AUDIT Summary**

| Actual Spending and Actual Usage | | | | | |
|---|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | USE Audit Results |
| FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 1,990,298 | 1,927,334 | 62,964 | (10,679) | (2,865) |
| City of San Clemente | 143,305 | 96,253 | 47,053 | | 47,053 |
| City of San Juan Capistrano | 2,238,795 | 1,868,009 | 370,786 | 42,390 | 413,176 |
| El Toro Water District | 868,212 | 731,459 | 136,753 | 1,365 | 138,118 |
| Emerald Bay Service District | 80,822 | 85,067 | (4,246) | (867) | (9,455) |
| Irvine Ranch Water District | 241,964 | 127,723 | 114,240 | | 114,240 |
| Moulton Niguel Water District | 8,006,227 | 8,393,893 | (387,666) | 196,770 | (299,605) |
| Santa Margarita Water District | 1,769,400 | 1,808,872 | (39,472) | 85,048 | 45,576 |
| South Coast Water District | 3,236,962 | 3,317,016 | (80,054) | 27,760 | (95,719) |
| Trabuco Canyon Water District | 25,640 | 20,940 | 4,700 | | 4,700 |
| Total Member Agency | 18,601,624 | 18,376,566 | 225,058 | 341,787 | (211,626.07) |

| Actual Spending and Budget Usage | | | | | |
|---|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | Total |
| FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | USE Audit Results |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 1,990,298 | 1,967,606 | 22,691 | (10,679) | (43,137) |
| City of San Clemente | 143,305 | 93,940 | 49,365 | | 49,365 |
| City of San Juan Capistrano | 2,238,795 | 2,261,739 | (22,943) | 42,390 | 19,447 |
| El Toro Water District | 868,212 | 812,640 | 55,572 | 1,365 | 56,937 |
| Emerald Bay Service District | 80,822 | 88,459 | (7,638) | (867) | (12,847) |
| Irvine Ranch Water District | 241,964 | 121,278 | 120,686 | | 120,686 |
| Moulton Niguel Water District | 8,006,227 | 8,036,204 | (29,977) | 196,770 | (108,710) |
| Santa Margarita Water District | 1,769,400 | 1,760,383 | 9,017 | 85,048 | 94,065 |
| South Coast Water District | 3,236,962 | 3,213,455 | 23,506 | 27,760 | (43,425) |
| Trabuco Canyon Water District | 25,640 | 20,861 | 4,779 | | 4,779 |
| Total Member Agency | 18,601,624 | 18,376,566 | 225,058 | 341,787 | (211,626.07) |

| Usage Variance (Used More)/Used Less | | | | | |
|---|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| O&M | | | Small Capital | Large Capital | Total |
| FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | (Over)/Under Budget | (Over)/Under Budget | USE Audit Results |
| SOCWA by Member Agency | | | | | |
| City of Laguna Beach | 0 | 40,272 | 40,272 | 0 | 0 |
| City of San Clemente | 0 | (2,312) | (2,312) | 0 | 0 |
| City of San Juan Capistrano | 0 | 393,729 | 393,729 | 0 | 0 |
| El Toro Water District | 0 | 81,181 | 81,181 | 0 | 0 |
| Emerald Bay Service District | 0 | 3,392 | 3,392 | 0 | 0 |
| Irvine Ranch Water District | 0 | (6,446) | (6,446) | 0 | 0 |
| Moulton Niguel Water District | 0 | (357,688) | (357,688) | 0 | 0 |
| Santa Margarita Water District | 0 | (48,489) | (48,489) | 0 | 0 |
| South Coast Water District | 0 | (103,560) | (103,560) | 0 | 0 |
| Trabuco Canyon Water District | 0 | (79) | (79) | 0 | 0 |
| Total Member Agency | 0 | 0 | 0 | 0 | 0 |

**South Orange County Wastewater Authority
FY 2015-16 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 |
|---|-------------------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|-------------------|
| O&M Actual | | | | | | | | | | | |
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | 0 | 0 | 1,579,860 | 0 | 0 | 0 | 1,307,389 | 1,363,047 | 1,331,054 | 0 | 5,581,350 |
| PC 3 - SOCWA Plant/PCA AWT | 0 | 0 | 0 | 0 | 0 | 0 | 39,314 | 4,642 | 0 | 0 | 43,956 |
| PC 5 - San Juan Creek Ocean Outfall | 0 | 70,345 | 60,612 | 0 | 0 | 0 | 63,638 | 154,176 | 55,853 | 0 | 404,624 |
| PC 8 - Pretreatment Program | 12,930 | 15,864 | 14,887 | 9,212 | 1,778 | 18,799 | 42,668 | 45,212 | 34,452 | 0 | 195,802 |
| PC 12 SO- Water Reclamation Permits | 0 | 0 | 17,731 | 14,606 | 0 | 18,644 | 59,832 | 53,046 | 21,802 | 18,755 | 204,416 |
| PC 15 - Coastal Treatment Plant/AWT | 1,202,559 | 0 | 0 | 0 | 57,707 | 0 | 354,356 | 0 | 1,194,778 | 0 | 2,809,400 |
| PC 17 - Joint Regional Wastewater Reclamation | 443,154 | 0 | 0 | 556,791 | 14,585 | 0 | 5,531,219 | 0 | 301,981 | 0 | 6,847,730 |
| PC 21 Effluent Transmission Main | 0 | 0 | 0 | 1,113 | 0 | 1,113 | 477 | 0 | 0 | 0 | 2,703 |
| PC 24 - Aliso Creek Ocean Outfall | 46,211 | 0 | 0 | 73,412 | 2,121 | 75,840 | 119,130 | 0 | 30,978 | 0 | 347,692 |
| Total | 1,704,854 | 86,209 | 1,673,090 | 655,134 | 76,191 | 114,396 | 7,518,023 | 1,620,123 | 2,970,898 | 18,755 | 16,437,673 |
| Total Admin & Engineering | 222,480 | 10,044 | 194,919 | 76,325 | 8,876 | 13,327 | 875,870 | 188,749 | 346,118 | 2,185 | 1,938,893 |

Admin Allocation to Project Committees:

| | 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 |
|---|-------------------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|---------------|
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | 0.0% | 0.0% | 94.4% | 0.0% | 0.0% | 0.0% | 17.4% | 84.1% | 44.8% | 0.0% | 34.0% |
| PC 3 - SOCWA Plant/PCA AWT | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.5% | 0.3% | 0.0% | 0.0% | 0.3% |
| PC 5 - San Juan Creek Ocean Outfall | 0.0% | 81.6% | 3.6% | 0.0% | 0.0% | 0.0% | 0.8% | 9.5% | 1.9% | 0.0% | 2.5% |
| PC 8 - Pretreatment Program | 0.8% | 18.4% | 0.9% | 1.4% | 2.3% | 16.4% | 0.6% | 2.8% | 1.2% | 0.0% | 1.2% |
| PC 12 SO- Water Reclamation Permits | 0.0% | 0.0% | 1.1% | 2.2% | 0.0% | 16.3% | 0.8% | 3.3% | 0.7% | 100.0% | 1.2% |
| PC 15 - Coastal Treatment Plant/AWT | 70.5% | 0.0% | 0.0% | 0.0% | 75.7% | 0.0% | 4.7% | 0.0% | 40.2% | 0.0% | 17.1% |
| PC 17 - Joint Regional Wastewater Reclamation | 26.0% | 0.0% | 0.0% | 85.0% | 19.1% | 0.0% | 73.6% | 0.0% | 10.2% | 0.0% | 41.7% |
| PC 21 Effluent Transmission Main | 0.0% | 0.0% | 0.0% | 0.2% | 0.0% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| PC 24 - Aliso Creek Ocean Outfall | 2.7% | 0.0% | 0.0% | 11.2% | 2.8% | 66.3% | 1.6% | 0.0% | 1.0% | 0.0% | 2.1% |
| 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:

| | 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 |
|---|-------------------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|---------------------|
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | 0.00 | 0.00 | 184,057.93 | 0.00 | 0.00 | 0.00 | 152,314.33 | 158,798.63 | 155,071.36 | 0.00 | 650,242.25 |
| PC 3 - SOCWA Plant/PCA AWT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4,580.19 | 540.81 | 0.00 | 0.00 | 5,120.99 |
| PC 5 - San Juan Creek Ocean Outfall | 0.00 | 8,195.38 | 7,061.46 | 0.00 | 0.00 | 0.00 | 7,414.00 | 17,961.92 | 6,507.02 | 0.00 | 47,139.78 |
| PC 8 - Pretreatment Program | 1,687.34 | 1,848.20 | 1,734.38 | 1,073.22 | 207.14 | 2,190.13 | 4,970.94 | 5,267.32 | 4,013.75 | 0.00 | 22,992.42 |
| PC 12 SO- Water Reclamation Permits | 0.00 | 0.00 | 2,065.71 | 1,701.64 | 0.00 | 2,172.08 | 6,970.59 | 6,180.00 | 2,539.99 | 2,185.01 | 23,815.01 |
| PC 15 - Coastal Treatment Plant/AWT | 156,931.56 | 0.00 | 0.00 | 0.00 | 6,723.02 | 0.00 | 41,283.42 | 0.00 | 139,194.84 | 0.00 | 344,132.85 |
| PC 17 - Joint Regional Wastewater Reclamation | 57,830.72 | 0.00 | 0.00 | 64,867.65 | 1,699.19 | 0.00 | 644,401.85 | 0.00 | 35,181.60 | 0.00 | 803,981.00 |
| PC 21 Effluent Transmission Main | 0.00 | 0.00 | 0.00 | 129.67 | 0.00 | 129.67 | 55.57 | 0.00 | 0.00 | 0.00 | 314.91 |
| PC 24 - Aliso Creek Ocean Outfall | 6,030.44 | 0.00 | 0.00 | 8,552.69 | 247.10 | 8,835.56 | 13,878.96 | 0.00 | 3,609.02 | 0.00 | 41,153.79 |
| Total | 222,480.06 | 10,043.58 | 194,919.47 | 76,324.87 | 8,876.46 | 13,327.44 | 875,869.85 | 188,748.68 | 346,117.59 | 2,185.01 | 1,938,893.00 |

**South Orange County Wastewater Authority
FY 2015-16 USE AUDIT by Project Committee and Member Agency**

| | City of Laguna Beach | City of San Clemente | City of San Juan Capistrano | EI 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 |
|---|-------------------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|----------------------------------|-------------------------------------|----------------------|
| USE AUDIT by Project Committee & Member Agency | | | | | | | | | | | |
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | 0.00 | 0.00 | 1,763,917.93 | 0.00 | 0.00 | 0.00 | 1,459,703.33 | 1,521,845.63 | 1,486,125.36 | 0.00 | 6,231,592.25 |
| PC 3 - SOCWA Plant/PCA AWT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 43,894.19 | 5,182.81 | 0.00 | 0.00 | 49,076.99 |
| PC 5 - San Juan Creek Ocean Outfall | 0.00 | 78,540.38 | 67,673.46 | 0.00 | 0.00 | 0.00 | 71,052.00 | 172,137.92 | 62,360.02 | 0.00 | 451,763.78 |
| PC 8 - Pretreatment Program | 14,617.34 | 17,712.20 | 16,621.38 | 10,285.22 | 1,985.14 | 20,989.13 | 47,638.94 | 50,479.32 | 38,465.75 | 0.00 | 218,794.42 |
| PC 12 SO- Water Reclamation Permits | 0.00 | 0.00 | 19,796.71 | 16,307.64 | 0.00 | 20,816.08 | 66,802.59 | 59,226.00 | 24,341.99 | 20,940.01 | 228,231.01 |
| PC 15 - Coastal Treatment Plant/AWT | 1,359,490.56 | 0.00 | 0.00 | 0.00 | 64,430.02 | 0.00 | 395,639.42 | 0.00 | 1,333,972.84 | 0.00 | 3,153,532.85 |
| PC 17 - Joint Regional Wastewater Reclamation | 500,984.72 | 0.00 | 0.00 | 621,658.65 | 16,284.19 | 0.00 | 6,175,620.85 | 0.00 | 337,162.60 | 0.00 | 7,651,711.00 |
| PC 21 Effluent Transmission Main | 0.00 | 0.00 | 0.00 | 1,242.67 | 0.00 | 1,242.67 | 532.57 | 0.00 | 0.00 | 0.00 | 3,017.91 |
| PC 24 - Aliso Creek Ocean Outfall | 52,241.44 | 0.00 | 0.00 | 81,964.69 | 2,368.10 | 84,675.56 | 133,008.96 | 0.00 | 34,587.02 | 0.00 | 388,845.79 |
| Total | 1,927,334.06 | 96,252.58 | 1,868,009.47 | 731,458.87 | 85,067.46 | 127,723.44 | 8,393,892.85 | 1,808,871.68 | 3,317,015.59 | 20,940.01 | 18,376,566.00 |

Budget Amount Invoiced

| | | | | | | | | | | | |
|---|---------------------|-------------------|---------------------|-------------------|------------------|-------------------|---------------------|---------------------|---------------------|------------------|----------------------|
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | | | 2,029,751.00 | | | | 1,173,550.00 | 1,398,154.00 | 1,364,510.00 | | 5,965,965.00 |
| PC 3 - SOCWA Plant/PCA AWT | | | | | | | 108,754.00 | 6,722.00 | | | 115,476.00 |
| PC 5 - San Juan Creek Ocean Outfall | | 128,972.00 | 164,535.00 | | | | 104,205.00 | 240,495.00 | 115,022.00 | | 753,229.00 |
| PC 8 - Pretreatment Program | 14,222.00 | 14,333.00 | 23,344.00 | 12,531.00 | 1,494.00 | 15,179.00 | 49,622.00 | 53,027.00 | 39,787.00 | | 223,539.00 |
| PC 12 SO- Water Reclamation Permits | | | 21,167.00 | 20,031.00 | | 23,915.00 | 90,155.00 | 71,001.00 | 28,528.00 | 25,639.00 | 280,436.00 |
| PC 15 - Coastal Treatment Plant/AWT | 1,419,640.00 | | | | 59,497.00 | | 248,148.00 | | 1,317,742.00 | | 3,045,027.00 |
| PC 17 - Joint Regional Wastewater Reclamation | 464,427.00 | | | 616,076.00 | 15,809.00 | | 6,031,149.00 | | 298,870.00 | | 7,426,331.00 |
| PC 21 Effluent Transmission Main | | | | 40,418.00 | | 40,418.00 | 17,300.00 | | | | 98,136.00 |
| PC 24 - Aliso Creek Ocean Outfall | 92,008.00 | | | 179,157.00 | 4,022.00 | 162,453.00 | 183,344.00 | | 72,501.00 | | 693,485.00 |
| Total | 1,990,297.00 | 143,305.00 | 2,238,797.00 | 868,213.00 | 80,822.00 | 241,965.00 | 8,006,227.00 | 1,769,399.00 | 3,236,960.00 | 25,639.00 | 18,601,624.00 |

USE AUDIT Entry

| | | | | | | | | | | | |
|---|------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------------|--------------------|--------------------|-----------------|-------------------|
| Project Committee | | | | | | | | | | | |
| PC 2 - Jay B. Latham Plant | 0.00 | 0.00 | 265,833.07 | 0.00 | 0.00 | 0.00 | (286,153.33) | (123,691.63) | (121,615.36) | 0.00 | (265,627.25) |
| PC 3 - SOCWA Plant/PCA AWT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 64,859.81 | 1,539.19 | 0.00 | 0.00 | 66,399.01 |
| PC 5 - San Juan Creek Ocean Outfall | 0.00 | 50,431.62 | 96,861.54 | 0.00 | 0.00 | 0.00 | 33,153.00 | 68,357.08 | 52,661.98 | 0.00 | 301,465.22 |
| PC 8 - Pretreatment Program | (395.34) | (3,379.20) | 6,722.62 | 2,245.78 | (491.14) | (5,810.13) | 1,983.06 | 2,547.68 | 1,321.25 | 0.00 | 4,744.58 |
| PC 12 SO- Water Reclamation Permits | 0.00 | 0.00 | 1,370.29 | 3,723.36 | 0.00 | 3,098.92 | 23,352.41 | 11,775.00 | 4,186.01 | 4,698.99 | 52,204.99 |
| PC 15 - Coastal Treatment Plant/AWT | 60,149.44 | 0.00 | 0.00 | 0.00 | (4,933.02) | 0.00 | (147,491.42) | 0.00 | (16,230.84) | 0.00 | (108,505.85) |
| PC 17 - Joint Regional Wastewater Reclamation | (36,557.72) | 0.00 | 0.00 | (5,582.65) | (475.19) | 0.00 | (144,471.85) | 0.00 | (38,292.60) | 0.00 | (225,380.00) |
| PC 21 Effluent Transmission Main | 0.00 | 0.00 | 0.00 | 39,175.33 | 0.00 | 39,175.33 | 16,767.43 | 0.00 | 0.00 | 0.00 | 95,118.09 |
| PC 24 - Aliso Creek Ocean Outfall | 39,766.56 | 0.00 | 0.00 | 97,192.31 | 1,653.90 | 77,777.44 | 50,335.04 | 0.00 | 37,913.98 | 0.00 | 304,639.21 |
| Total | 62,962.94 | 47,052.42 | 370,787.53 | 136,754.13 | (4,245.46) | 114,241.56 | (387,665.85) | (39,472.68) | (80,055.59) | 4,698.99 | 225,058.00 |

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

Member Agency
City of San Juan Capistrano
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District
Total

| Liquids | | | Solids | | | Common - Liquids | | | Common - Solids | | | Total | | |
|------------------|------------------|---------------|------------------|------------------|------------------|------------------|----------------|-----------------|-----------------|----------------|-----------------|------------------|------------------|------------------|
| Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance | Budget | Actual | Variance |
| 791,112 | 632,644 | 158,468 | 725,480 | 595,362 | 130,118 | 148,966 | 178,158 | (29,192) | 145,240 | 173,696 | (28,456) | 1,810,798 | 1,579,860 | 230,938 |
| 347,283 | 408,222 | (60,939) | 438,156 | 640,355 | (202,199) | 111,723 | 133,632 | (21,909) | 104,678 | 125,180 | (20,502) | 1,001,840 | 1,307,389 | (305,549) |
| 446,330 | 437,296 | 9,034 | 563,346 | 661,270 | (97,924) | 83,791 | 100,162 | (16,371) | 137,387 | 164,319 | (26,932) | 1,230,854 | 1,363,047 | (132,193) |
| 496,061 | 513,167 | (17,106) | 446,416 | 535,048 | (88,632) | 139,652 | 167,038 | (27,386) | 96,825 | 115,801 | (18,976) | 1,178,954 | 1,331,054 | (152,100) |
| 2,080,786 | 1,991,329 | 89,457 | 2,173,398 | 2,432,035 | (258,637) | 484,132 | 578,990 | (94,858) | 484,130 | 578,996 | (94,866) | 5,222,446 | 5,581,350 | (358,904) |
| | | 4.3% | | | -11.9% | | | | | | | | | |

Member Agency
City of San Juan Capistrano
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District
Total

| Liquids | | | Solids | | | Common - Liquids | | | Common - Solids | | | Total | | |
|------------------------------------|---------------|-------------|---------------|---------------|-------------|------------------|---------------|-------------|-----------------|---------------|-------------|---------------|---------------|-------------|
| Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| 38.0% | 31.8% | 6.2% | 33.4% | 24.5% | 8.9% | 30.8% | 30.8% | 0.0% | 30.0% | 30.0% | 0.0% | 34.7% | 28.3% | 6.4% |
| 16.7% | 20.5% | -3.8% | 20.2% | 26.3% | -6.2% | 23.1% | 23.1% | 0.0% | 21.6% | 21.6% | 0.0% | 19.2% | 23.4% | -4.2% |
| 21.5% | 22.0% | -0.5% | 25.9% | 27.2% | -1.3% | 17.3% | 17.3% | 0.0% | 28.4% | 28.4% | 0.0% | 23.6% | 24.4% | -0.9% |
| 23.8% | 25.8% | -1.9% | 20.5% | 22.0% | -1.5% | 28.8% | 28.8% | 0.0% | 20.0% | 20.0% | 0.0% | 22.6% | 23.8% | -1.3% |
| 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% |
| No Change in Allocation %'s | | | | | | | | | | | | | | |

**South Orange County Wastewater Authority
FY 2015-16 Budget PC 2 Facilities "Standby" Distribution**

| | FY 2015-16 Budget Book | FY 2015-16 Budget w/o Standby | Standby Costs Out | Standby Costs In | Net Standby Adjustment | System Conversion Rounding, etc. | FY 2015-16 Budget w Standby | Difference |
|--------------------------------|---------------------------|-------------------------------------|----------------------|---------------------|---------------------------|--|-----------------------------------|------------|
| Member Agency | | | | | | | | |
| City of Laguna Beach | 1,742,168 | 1,742,256 | | | | (88) | 1,742,168 | 0 |
| City of San Clemente | 125,439 | 125,376 | | | | 63 | 125,439 | 0 |
| City of San Juan Capistrano | 1,959,767 | 1,993,786 | (80,350) | 46,371 | (33,979) | (40) | 1,959,767 | 0 |
| El Toro Water District | 759,963 | 759,908 | | | | 55 | 759,963 | 0 |
| Emerald Bay Service District | 70,746 | 70,869 | | | | (123) | 70,746 | 0 |
| Irvine Ranch Water District | 211,797 | 211,806 | | | | (9) | 211,797 | 0 |
| Moulton Niguel Water District | 7,008,219 | 6,982,691 | (41,004) | 66,491 | 25,487 | 41 | 7,008,219 | 0 |
| Santa Margarita Water District | 1,548,868 | 1,555,811 | (52,720) | 45,615 | (7,105) | 162 | 1,548,868 | 0 |
| South Coast Water District | 2,833,484 | 2,817,955 | (49,972) | 65,569 | 15,597 | (69) | 2,833,484 | 0 |
| Trabuco Canyon Water District | 22,443 | 22,436 | | | | 7 | 22,443 | 0 |
| Total Member Agency | 16,282,894 | 16,282,894 | (224,046) | 224,046 | 0 | (0) | 16,282,894 | 0 |

(0)

| Standby | | | | |
|--------------------------------|----------------|----------------|----------------|----------------|
| | Liquids | Solids | Total OUT | IN |
| City of San Juan Capistrano | 45,602 | 34,749 | 80,350 | 46,371 |
| Moulton Niguel Water District | 20,013 | 20,990 | 41,004 | 66,491 |
| South Coast Water District | 28,590 | 21,381 | 49,972 | 65,569 |
| Santa Margarita Water District | 25,731 | 26,989 | 52,720 | 45,615 |
| Total | 119,937 | 104,109 | 224,046 | 224,046 |

**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 | 961,237 | 743,284 | 217,953 | 281,487 | 459,275 | (177,788) | | | | 1,242,724 | 1,202,559 | 40,165 |
| Emerald Bay Service District | 29,975 | 21,482 | 8,493 | 22,204 | 36,225 | (14,021) | | | | 52,179 | 57,707 | (5,528) |
| Moulton Niguel Water District | 0 | 0 | 0 | 217,190 | 354,356 | (137,166) | | | | 217,190 | 354,356 | (137,166) |
| South Coast Water District | 594,731 | 491,627 | 103,104 | 221,644 | 361,630 | (139,986) | 336,980 | 341,521 | (4,541) | 1,153,355 | 1,194,778 | (41,423) |
| Total | 1,585,943 | 1,256,393 | 329,550 | 742,525 | 1,211,486 | (468,961) | 336,980 | 341,521 | (4,541) | 2,665,448 | 2,809,400 | (143,952) |
| | | | 20.8% | | | -63.2% | | | -1.3% | | | -5.4% |

| Member Agency | Liquids | | | Common Liquids | | | AWT | | | Total | | |
|-------------------------------|---------------|---------------|-------------|----------------|---------------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|
| | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance | Budget | Actual | % Variance |
| City of Laguna Beach | 60.6% | 59.2% | 1.4% | 37.9% | 37.9% | 0.0% | 0.0% | 0.0% | 0.0% | 46.6% | 42.8% | 3.8% |
| Emerald Bay Service District | 1.9% | 1.7% | 0.2% | 3.0% | 3.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.0% | 2.1% | -0.1% |
| Moulton Niguel Water District | 0.0% | 0.0% | 0.0% | 29.3% | 29.2% | 0.0% | 0.0% | 0.0% | 0.0% | 8.1% | 12.6% | -4.5% |
| South Coast Water District | 37.5% | 39.1% | -1.6% | 29.9% | 29.9% | 0.0% | 100.0% | 100.0% | 0.0% | 43.3% | 42.5% | 0.7% |
| 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 | 3,390 | 3,167 | 223 | 347,372 | 371,100 | (23,728) | 0 | 0 | 0 | 0 | 0 | 0 | 55,779 | 68,887 | (13,108) | 406,541 | 443,154 | (36,613) |
| El Toro Water District | 3,989 | 3,661 | 328 | 433,744 | 427,822 | 5,922 | 0 | 0 | 0 | 0 | 0 | 0 | 101,471 | 125,308 | (23,837) | 539,204 | 556,791 | (17,587) |
| Emerald Bay Service District | 201 | 101 | 100 | 10,729 | 10,864 | (135) | 0 | 0 | 0 | 0 | 0 | 0 | 2,934 | 3,620 | (686) | 13,864 | 14,585 | (721) |
| Moulton Niguel Water District | 1,983,772 | 1,973,975 | 9,797 | 1,675,431 | 1,962,308 | (286,877) | 830,480 | 617,436 | 213,044 | 497,159 | 616,402 | (119,243) | 292,428 | 361,133 | (68,705) | 5,279,270 | 5,531,254 | (251,984) |
| South Coast Water District | 1,994 | 1,984 | 10 | 215,129 | 244,990 | (29,861) | 0 | 0 | 0 | 0 | 0 | 0 | 44,546 | 55,007 | (10,461) | 261,669 | 301,981 | (40,312) |
| Total | 1,993,346 | 1,982,888 | 10,458 | 2,682,405 | 3,017,084 | (334,679) | 830,480 | 617,436 | 213,044 | 497,159 | 616,402 | (119,243) | 497,158 | 613,955 | (116,797) | 6,500,548 | 6,847,765 | (347,217) |
| | | | 0.5% | | | -12.5% | | | 25.7% | | | -24.0% | | | -23.5% | | | -5.3% |

| 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 | 0.2% | 0.2% | 0.0% | 13.0% | 12.3% | 0.7% | | | 0.0% | 0.0% | 0.0% | 0.0% | 11.2% | 11.2% | 0.0% | 6.3% | 6.5% | -0.2% |
| El Toro Water District | 0.2% | 0.2% | 0.0% | 16.2% | 14.2% | 2.0% | | | 0.0% | 0.0% | 0.0% | 0.0% | 20.4% | 20.4% | 0.0% | 8.3% | 8.1% | 0.2% |
| Emerald Bay Service District | 0.0% | 0.0% | 0.0% | 0.4% | 0.4% | 0.0% | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.6% | 0.6% | 0.0% | 0.2% | 0.2% | 0.0% |
| Moulton Niguel Water District | 99.5% | 99.6% | 0.0% | 62.5% | 65.0% | -2.6% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 58.8% | 58.8% | 0.0% | 81.2% | 80.8% | 0.4% |
| South Coast Water District | 0.1% | 0.1% | 0.0% | 8.0% | 8.1% | -0.1% | | | 0.0% | 0.0% | 0.0% | 0.0% | 9.0% | 9.0% | 0.0% | 4.0% | 4.4% | -0.4% |
| Total | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% | 100.0% | 100.0% | 0.0% |

**South Orange County Wastewater Authority
FY 2015-16 USE AUDIT Admin & Engineering Application to O&M**

| | O&M | | | |
|---|----------------------|----------------------|------------------------|---------------|
| | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
| Member Agency | | | | |
| City of Laguna Beach | 1,742,168 | 1,704,854 | 37,314 | 97.9% |
| City of San Clemente | 125,439 | 86,209 | 39,230 | 68.7% |
| City of San Juan Capistrano | 1,959,767 | 1,673,090 | 286,677 | 85.4% |
| El Toro Water District | 759,963 | 655,134 | 104,829 | 86.2% |
| Emerald Bay Service District | 70,746 | 76,191 | (5,445) | 107.7% |
| Irvine Ranch Water District | 211,797 | 114,396 | 97,401 | 54.0% |
| Moulton Niguel Water District | 7,008,219 | 7,518,023 | (509,804) | 107.3% |
| Santa Margarita Water District | 1,548,868 | 1,620,123 | (71,255) | 104.6% |
| South Coast Water District | 2,833,484 | 2,970,898 | (137,414) | 104.8% |
| Trabuco Canyon Water District | 22,443 | 18,755 | 3,688 | 83.6% |
| Total Member Agency | 16,282,894 | 16,437,673 | (154,779) | 101.0% |
| Residual Engineering | | | | |
| | 246,613 | 199,826 | 46,787 | 81.0% |
| Administration & Other Costs | | | | |
| | 2,072,117 | 1,715,207 | 356,910 | 82.8% |
| Total Admin & Other | 2,318,730 | 1,915,033 | 403,697 | 82.6% |

| | | |
|--|--------|----------|
| State Revolving Loan Inquiry(Laguna Beach) | 23,860 | (23,860) |
|--|--------|----------|

Member Agency Admin Allocation

| | | | |
|--------------------------------|--------|--------|-------|
| City of Laguna Beach | 10.7% | 10.4% | 0.3% |
| City of San Clemente | 0.8% | 0.5% | 0.2% |
| City of San Juan Capistrano | 12.0% | 10.2% | 1.9% |
| El Toro Water District | 4.7% | 4.0% | 0.7% |
| Emerald Bay Service District | 0.4% | 0.5% | 0.0% |
| Irvine Ranch Water District | 1.3% | 0.7% | 0.6% |
| Moulton Niguel Water District | 43.0% | 45.7% | -2.7% |
| Santa Margarita Water District | 9.5% | 9.9% | -0.3% |
| South Coast Water District | 17.4% | 18.1% | -0.7% |
| Trabuco Canyon Water District | 0.1% | 0.1% | 0.0% |
| Total Member Agency | 100.0% | 100.0% | 0.0% |

Member Agency Admin Allocation

| | | | | |
|--------------------------------|-----------|-----------|---------|-------|
| City of Laguna Beach | 248,129 | 198,620 | 49,509 | 80.0% |
| City of San Clemente | 17,866 | 10,044 | 7,822 | 56.2% |
| City of San Juan Capistrano | 279,029 | 194,919 | 84,110 | 69.9% |
| El Toro Water District | 108,249 | 76,325 | 31,924 | 70.5% |
| Emerald Bay Service District | 10,076 | 8,876 | 1,200 | 88.1% |
| Irvine Ranch Water District | 30,166 | 13,327 | 16,839 | 44.2% |
| Moulton Niguel Water District | 998,009 | 875,870 | 122,139 | 87.8% |
| Santa Margarita Water District | 220,531 | 188,749 | 31,782 | 85.6% |
| South Coast Water District | 403,478 | 346,118 | 57,360 | 85.8% |
| Trabuco Canyon Water District | 3,197 | 2,185 | 1,012 | 68.3% |
| Total Member Agency | 2,318,730 | 1,915,033 | 403,697 | 82.6% |

SOCWA by Member Agency

| | | | | |
|--------------------------------|------------|------------|-----------|--------|
| City of Laguna Beach | 1,990,298 | 1,927,334 | 62,964 | 96.8% |
| City of San Clemente | 143,305 | 96,253 | 47,053 | 67.2% |
| City of San Juan Capistrano | 2,238,795 | 1,868,009 | 370,786 | 83.4% |
| El Toro Water District | 868,212 | 731,459 | 136,753 | 84.2% |
| Emerald Bay Service District | 80,822 | 85,067 | (4,246) | 105.3% |
| Irvine Ranch Water District | 241,964 | 127,723 | 114,240 | 52.8% |
| Moulton Niguel Water District | 8,006,227 | 8,393,893 | (387,666) | 104.8% |
| Santa Margarita Water District | 1,769,400 | 1,808,872 | (39,472) | 102.2% |
| South Coast Water District | 3,236,962 | 3,317,016 | (80,054) | 102.5% |
| Trabuco Canyon Water District | 25,640 | 20,940 | 4,700 | 81.7% |
| Total Member Agency | 18,601,624 | 18,376,566 | 225,058 | 98.8% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------------------------|--|----------------------|-------------------|------------------------|------------|
| PC 02 - Jay B. Latham Plant | | | | | |
| Member Agency | | | | | |
| City of San Juan Capistrano | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 466,260 | 388,517 | 77,743 | 83.3% |
| **5001-**-*** | Overtime Salaries-O&M | 9,110 | 11,306 | (2,196) | 124.1% |
| **5002-**-*** | Electricity | 310,430 | 206,267 | 104,163 | 66.4% |
| **5003-**-*** | Natural Gas | 3,610 | 6,048 | (2,438) | 167.5% |
| **5004-**-*** | Potable & Reclaimed Water | 4,830 | 4,123 | 707 | 85.4% |
| 02-5006-01-01-18 | Chlorine/Sodium Hypochlorite | 10,037 | 5,327 | 4,710 | 53.1% |
| 02-5007-01-02-18 | Polymer Products | 100,741 | 73,809 | 26,932 | 73.3% |
| 02-5008-01-02-18 | Ferric Chloride | 27,572 | 24,052 | 3,520 | 87.2% |
| **5009-**-*** | Odor Control Chemicals | 7,088 | 8,393 | (1,305) | 118.4% |
| **5010-**-*** | Other Chemicals - Misc. | 30 | 50 | (20) | 166.7% |
| **5011-**-*** | Laboratory Services | 3,502 | 2,847 | 655 | 81.3% |
| 02-5012-01-01-18 | Grit Hauling - 21A | 14,219 | 17,041 | (2,822) | 119.8% |
| **5013-**-*** | Landscaping | 9,055 | 12,636 | (3,581) | 139.5% |
| **5014-**-*** | Engineering - Misc. | 24,308 | 21,519 | 2,789 | 88.5% |
| **5015-**-*** | Management Support Services | 0 | 11,340 | (11,340) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 12,077 | (12,077) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 22,788 | 25,700 | (2,912) | 112.8% |
| **5021-**-*** | Small Vehicle Expense - 31A | 2,480 | 2,705 | (225) | 109.1% |
| **5022-**-*** | Miscellaneous Expense | 2,127 | 1,999 | 128 | 94.0% |
| **5023-**-*** | Office Supplies - All | 3,130 | 6,875 | (3,745) | 219.6% |
| **5024-**-*** | Petroleum Products | 5,563 | 3,901 | 1,662 | 70.1% |
| **5025-**-*** | Uniforms | 4,110 | 3,189 | 921 | 77.6% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 4,854 | 2,710 | 2,144 | 55.8% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 4,106 | (4,106) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 9,115 | 10,722 | (1,607) | 117.6% |
| **5030-**-*** | Trash Disposal | 228 | 385 | (157) | 168.9% |
| **5031-**-*** | Safety Supplies | 7,232 | 8,964 | (1,732) | 123.9% |
| **5032-**-*** | Equipment Rental | 912 | 770 | 142 | 84.4% |
| **5033-**-*** | Recruitment | 0 | 227 | (227) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 566 | 5,015 | (4,449) | 886.0% |
| **5035-**-*** | Training Expense | 7,110 | 8,741 | (1,631) | 122.9% |
| **5036-**-*** | Laboratory Supplies | 4,977 | 2,819 | 2,158 | 56.6% |
| **5037-**-*** | Office Equipment | 3,130 | 5,255 | (2,125) | 167.9% |
| **5038-**-*** | Permits | 10,635 | 3,569 | 7,066 | 33.6% |
| **5039-**-*** | Membership Dues/Fees | 1,793 | 942 | 851 | 52.5% |
| 02-5049-01-02-18 | Biosolids Disposal - 21B | 186,227 | 139,353 | 46,874 | 74.8% |
| **5050-**-*** | Contract Services Generators - 29A | 2,431 | 3,077 | (646) | 126.6% |
| **5052-**-*** | Janitorial Services | 4,618 | 3,628 | 990 | 78.6% |
| 02-5054-01-02-18 | Diesel Truck Maint - 31B | 0 | 6,983 | (6,983) | 0.0% |
| 02-5055-01-02-18 | Diesel Truck Fuel - 37B | 0 | 501 | (501) | 0.0% |
| 02-5056-01-02-18 | Maintenance Equip. & Facilities (Solids) 41-A | 43,060 | 40,685 | 2,375 | 94.5% |
| 02-5057-01-01-18 | Maintenance Equip. & Facilities (Liquids) 41-B | 85,545 | 73,621 | 11,924 | 86.1% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 7,201 | 4,690 | 2,511 | 65.1% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 20,358 | 18,704 | 1,654 | 91.9% |
| **5061-**-*** | Mileage | 0 | 443 | (443) | 0.0% |
| **5077-**-*** | IT Direct | 0 | 5,576 | (5,576) | 0.0% |
| **5114-**-*** | Non-Capital Engineering | 0 | 5,728 | (5,728) | 0.0% |
| **5301-**-*** | Vehicle Pay | 0 | 12 | (12) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 523 | (523) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 662 | (662) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5309-**-*** | Operating Leases | 0 | 1,372 | (1,372) | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 331,044 | 303,042 | 28,002 | 91.5% |
| **5700-**-*** | Standby Pay | 0 | 5,585 | (5,585) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 4,438 | (4,438) | 0.0% |
| **5802-**-*** | Shipping/Freight | 0 | 33 | (33) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 48,772 | 57,258 | (8,486) | 117.4% |
| Total City of San Juan Capistrano | | 1,810,798 | 1,579,860 | 230,938 | 87.2% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|--|-------------------|-------------------|---------------------|------------|
| Moulton Niguel Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 245,171 | 310,509 | (65,338) | 126.7% |
| **5001-**-*** | Overtime Salaries-O&M | 4,645 | 8,896 | (4,251) | 191.5% |
| **5002-**-*** | Electricity | 155,861 | 153,217 | 2,644 | 98.3% |
| **5003-**-*** | Natural Gas | 1,812 | 4,493 | (2,681) | 248.0% |
| **5004-**-*** | Potable & Reclaimed Water | 2,884 | 4,051 | (1,167) | 140.5% |
| 02-5006-01-01-22 | Chlorine/Sodium Hypochlorite | 4,406 | 3,437 | 969 | 78.0% |
| 02-5007-01-02-22 | Polymer Products | 60,843 | 79,387 | (18,544) | 130.5% |
| 02-5008-01-02-22 | Ferric Chloride | 16,652 | 25,870 | (9,218) | 155.4% |
| **5009-**-*** | Odor Control Chemicals | 4,085 | 8,354 | (4,269) | 204.5% |
| **5010-**-*** | Other Chemicals - Misc. | 23 | 37 | (14) | 160.9% |
| **5011-**-*** | Laboratory Services | 1,668 | 2,088 | (420) | 125.2% |
| 02-5012-01-01-22 | Grit Hauling - 21A | 6,242 | 10,996 | (4,754) | 176.2% |
| **5013-**-*** | Landscaping | 6,660 | 9,294 | (2,634) | 139.5% |
| **5014-**-*** | Engineering - Misc. | 17,880 | 15,829 | 2,051 | 88.5% |
| **5015-**-*** | Management Support Services | 0 | 8,341 | (8,341) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 8,884 | (8,884) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 16,762 | 18,904 | (2,142) | 112.8% |
| **5021-**-*** | Small Vehicle Expense - 31A | 1,305 | 2,181 | (876) | 167.1% |
| **5022-**-*** | Miscellaneous Expense | 1,552 | 1,470 | 82 | 94.7% |
| **5023-**-*** | Office Supplies - All | 2,302 | 5,057 | (2,755) | 219.7% |
| **5024-**-*** | Petroleum Products | 2,608 | 2,789 | (181) | 106.9% |
| **5025-**-*** | Uniforms | 2,162 | 2,571 | (409) | 118.9% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 2,551 | 2,186 | 365 | 85.7% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 3,020 | (3,020) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 6,705 | 7,887 | (1,182) | 117.6% |
| **5030-**-*** | Trash Disposal | 168 | 283 | (115) | 168.5% |
| **5031-**-*** | Safety Supplies | 5,319 | 6,594 | (1,275) | 124.0% |
| **5032-**-*** | Equipment Rental | 670 | 566 | 104 | 84.5% |
| **5033-**-*** | Recruitment | 0 | 177 | (177) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 416 | 3,689 | (3,273) | 886.8% |
| **5035-**-*** | Training Expense | 5,230 | 6,428 | (1,198) | 122.9% |
| **5036-**-*** | Laboratory Supplies | 2,370 | 2,067 | 303 | 87.2% |
| **5037-**-*** | Office Equipment | 2,302 | 3,866 | (1,564) | 167.9% |
| **5038-**-*** | Permits | 7,822 | 2,626 | 5,196 | 33.6% |
| **5039-**-*** | Membership Dues/Fees | 1,319 | 693 | 626 | 52.5% |
| 02-5049-01-02-22 | Biosolids Disposal - 21B | 112,473 | 149,885 | (37,412) | 133.3% |
| **5050-**-*** | Contract Services Generators - 29A | 1,788 | 2,264 | (476) | 126.6% |
| **5052-**-*** | Janitorial Services | 3,397 | 2,669 | 728 | 78.6% |
| 02-5054-01-02-22 | Diesel Truck Maint - 31B | 0 | 7,511 | (7,511) | 0.0% |
| 02-5055-01-02-22 | Diesel Truck Fuel - 37B | 0 | 539 | (539) | 0.0% |
| 02-5056-01-02-22 | Maintenance Equip. & Facilities (Solids) 41-A | 26,006 | 43,760 | (17,754) | 168.3% |
| 02-5057-01-01-22 | Maintenance Equip. & Facilities (Liquids) 41-B | 37,553 | 47,505 | (9,952) | 126.5% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 5,297 | 3,450 | 1,847 | 65.1% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 14,974 | 20,118 | (5,144) | 134.4% |
| **5061-**-*** | Mileage | 0 | 343 | (343) | 0.0% |
| **5077-**-*** | IT Direct | 0 | 4,102 | (4,102) | 0.0% |
| **5114-**-*** | Non-Capital Engineering | 0 | 4,213 | (4,213) | 0.0% |
| **5301-**-*** | Vehicle Pay | 0 | 10 | (10) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 399 | (399) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 535 | (535) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5309-**-*** | Operating Leases | 0 | 1,009 | (1,009) | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 174,071 | 242,197 | (68,126) | 139.1% |
| **5700-**-*** | Standby Pay | 0 | 4,505 | (4,505) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 3,496 | (3,496) | 0.0% |
| **5802-**-*** | Shipping/Freight | 0 | 25 | (25) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 35,873 | 42,117 | (6,244) | 117.4% |
| Total Moulton Niguel Water District | | 1,001,827 | 1,307,389 | (305,562) | 130.5% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|--------------------------------------|--|----------------------|-------------------|------------------------|------------|
| Santa Margarita Water District | | | | | |
| **-5000-**-*** | Regular Salaries-O&M | 306,085 | 325,249 | (19,164) | 106.3% |
| **-5001-**-*** | Overtime Salaries-O&M | 5,854 | 9,357 | (3,503) | 159.8% |
| **-5002-**-*** | Electricity | 195,279 | 161,611 | 33,668 | 82.8% |
| **-5003-**-*** | Natural Gas | 2,271 | 4,739 | (2,468) | 208.7% |
| **-5004-**-*** | Potable & Reclaimed Water | 3,624 | 4,192 | (568) | 115.7% |
| 02-5006-01-01-23 | Chlorine/Sodium Hypochlorite | 5,663 | 3,682 | 1,981 | 65.0% |
| 02-5007-01-02-23 | Polymer Products | 78,227 | 81,980 | (3,753) | 104.8% |
| 02-5008-01-02-23 | Ferric Chloride | 21,410 | 26,715 | (5,305) | 124.8% |
| **-5009-**-*** | Odor Control Chemicals | 5,252 | 8,666 | (3,414) | 165.0% |
| **-5010-**-*** | Other Chemicals - Misc. | 23 | 37 | (14) | 160.9% |
| **-5011-**-*** | Laboratory Services | 2,144 | 2,212 | (68) | 103.2% |
| 02-5012-01-01-23 | Grit Hauling - 21A | 8,022 | 11,779 | (3,757) | 146.8% |
| **-5013-**-*** | Landscaping | 6,807 | 9,498 | (2,691) | 139.5% |
| **-5014-**-*** | Engineering - Misc. | 18,274 | 16,176 | 2,098 | 88.5% |
| **-5015-**-*** | Management Support Services | 0 | 8,524 | (8,524) | 0.0% |
| **-5017-**-*** | Legal Fees | 0 | 9,078 | (9,078) | 0.0% |
| **-5019-**-*** | Contract Services Misc. - 29 | 17,132 | 19,318 | (2,186) | 112.8% |
| **-5021-**-*** | Small Vehicle Expense - 31A | 1,628 | 2,284 | (656) | 140.3% |
| **-5022-**-*** | Miscellaneous Expense | 1,599 | 1,503 | 96 | 94.0% |
| **-5023-**-*** | Office Supplies - All | 2,352 | 5,167 | (2,815) | 219.7% |
| **-5024-**-*** | Petroleum Products | 3,352 | 2,961 | 391 | 88.3% |
| **-5025-**-*** | Uniforms | 2,698 | 2,694 | 4 | 99.9% |
| **-5026-**-*** | Small Vehicle Fuel - 37A | 3,187 | 2,289 | 898 | 71.8% |
| **-5027-**-*** | Insurance - Property/Liability | 0 | 3,086 | (3,086) | 0.0% |
| **-5028-**-*** | Small Tools & Supplies | 6,853 | 8,060 | (1,207) | 117.6% |
| **-5030-**-*** | Trash Disposal | 171 | 289 | (118) | 169.0% |
| **-5031-**-*** | Safety Supplies | 5,437 | 6,739 | (1,302) | 123.9% |
| **-5032-**-*** | Equipment Rental | 686 | 578 | 108 | 84.3% |
| **-5033-**-*** | Recruitment | 0 | 188 | (188) | 0.0% |
| **-5034-**-*** | Travel Expense/Tech. Conferences | 425 | 3,770 | (3,345) | 887.1% |
| **-5035-**-*** | Training Expense | 5,345 | 6,570 | (1,225) | 122.9% |
| **-5036-**-*** | Laboratory Supplies | 3,047 | 2,190 | 857 | 71.9% |
| **-5037-**-*** | Office Equipment | 2,352 | 3,950 | (1,598) | 167.9% |
| **-5038-**-*** | Permits | 7,995 | 2,683 | 5,312 | 33.6% |
| **-5039-**-*** | Membership Dues/Fees | 1,348 | 708 | 640 | 52.5% |
| 02-5049-01-02-23 | Biosolids Disposal - 21B | 144,608 | 154,780 | (10,172) | 107.0% |
| **-5050-**-*** | Contract Services Generators - 29A | 1,827 | 2,313 | (486) | 126.6% |
| **-5052-**-*** | Janitorial Services | 3,472 | 2,728 | 744 | 78.6% |
| 02-5053-01-02-23 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-23 | Diesel Truck Maint - 31B | 0 | 7,756 | (7,756) | 0.0% |
| 02-5055-01-02-23 | Diesel Truck Fuel - 37B | 0 | 557 | (557) | 0.0% |
| 02-5056-01-02-23 | Maintenance Equip. & Facilities (Solids) 41-A | 33,437 | 45,189 | (11,752) | 135.1% |
| 02-5057-01-01-23 | Maintenance Equip. & Facilities (Liquids) 41-B | 48,263 | 50,888 | (2,625) | 105.4% |
| **-5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 5,414 | 3,525 | 1,889 | 65.1% |
| **-5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 15,305 | 20,775 | (5,470) | 135.7% |
| **-5061-**-*** | Mileage | 0 | 360 | (360) | 0.0% |
| **-5077-**-*** | IT Direct | 0 | 4,191 | (4,191) | 0.0% |
| **-5114-**-*** | Non-Capital Engineering | 0 | 4,306 | (4,306) | 0.0% |
| **-5301-**-*** | Vehicle Pay | 0 | 9 | (9) | 0.0% |
| **-5303-**-*** | Group Insurance Waiver | 0 | 417 | (417) | 0.0% |
| **-5305-**-*** | Medicare Tax Payments for Employees | 0 | 560 | (560) | 0.0% |
| **-5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **-5309-**-*** | Operating Leases | 0 | 1,032 | (1,032) | 0.0% |
| **-5401-**-*** | Fringe Benefits IN to PC's & Depts. | 217,320 | 253,694 | (36,374) | 116.7% |
| **-5700-**-*** | Standby Pay | 0 | 4,717 | (4,717) | 0.0% |
| **-5705-**-*** | Monthly Car Allowance | 0 | 3,664 | (3,664) | 0.0% |
| **-5802-**-*** | Shipping/Freight | 0 | 24 | (24) | 0.0% |
| **-6500-**-*** | IT Allocations in to PC's & Depts. | 36,666 | 43,040 | (6,374) | 117.4% |
| Total Santa Margarita Water District | | 1,230,854 | 1,363,047 | (132,193) | 110.7% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-----------------------------------|--|----------------------|-------------------|------------------------|------------|
| South Coast Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 298,748 | 325,811 | (27,063) | 109.1% |
| **5001-**-*** | Overtime Salaries-O&M | 5,786 | 9,481 | (3,695) | 163.9% |
| **5002-**-*** | Electricity | 198,431 | 170,867 | 27,564 | 86.1% |
| **5003-**-*** | Natural Gas | 2,308 | 5,011 | (2,703) | 217.1% |
| **5004-**-*** | Potable & Reclaimed Water | 3,061 | 3,614 | (553) | 118.1% |
| 02-5006-01-01-24 | Chlorine/Sodium Hypochlorite | 6,294 | 4,321 | 1,973 | 68.7% |
| 02-5007-01-02-24 | Polymer Products | 61,990 | 66,331 | (4,341) | 107.0% |
| 02-5008-01-02-24 | Ferric Chloride | 16,966 | 21,616 | (4,650) | 127.4% |
| **5009-**-*** | Odor Control Chemicals | 4,375 | 7,406 | (3,031) | 169.3% |
| **5010-**-*** | Other Chemicals - Misc. | 24 | 40 | (16) | 166.7% |
| **5011-**-*** | Laboratory Services | 2,187 | 2,361 | (174) | 108.0% |
| 02-5012-01-01-24 | Grit Hauling - 21A | 8,916 | 13,823 | (4,907) | 155.0% |
| **5013-**-*** | Landscaping | 7,278 | 10,156 | (2,878) | 139.5% |
| **5014-**-*** | Engineering - Misc. | 19,538 | 17,298 | 2,240 | 88.5% |
| **5015-**-*** | Management Support Services | 0 | 9,116 | (9,116) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 9,709 | (9,709) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 18,317 | 20,659 | (2,342) | 112.8% |
| **5021-**-*** | Small Vehicle Expense - 31A | 1,589 | 2,272 | (683) | 143.0% |
| **5022-**-*** | Miscellaneous Expense | 1,710 | 1,607 | 103 | 94.0% |
| **5023-**-*** | Office Supplies - All | 2,516 | 5,525 | (3,009) | 219.6% |
| **5024-**-*** | Petroleum Products | 3,477 | 3,219 | 258 | 92.6% |
| **5025-**-*** | Uniforms | 2,634 | 2,680 | (46) | 101.7% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 3,109 | 2,278 | 831 | 73.3% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 3,300 | (3,300) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 7,327 | 8,617 | (1,290) | 117.6% |
| **5030-**-*** | Trash Disposal | 183 | 309 | (126) | 168.9% |
| **5031-**-*** | Safety Supplies | 5,813 | 7,207 | (1,394) | 124.0% |
| **5032-**-*** | Equipment Rental | 733 | 618 | 115 | 84.3% |
| **5033-**-*** | Recruitment | 0 | 190 | (190) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 455 | 4,032 | (3,577) | 886.2% |
| **5035-**-*** | Training Expense | 5,715 | 7,026 | (1,311) | 122.9% |
| **5036-**-*** | Laboratory Supplies | 3,107 | 2,337 | 770 | 75.2% |
| **5037-**-*** | Office Equipment | 2,516 | 4,224 | (1,708) | 167.9% |
| **5038-**-*** | Permits | 8,548 | 2,870 | 5,678 | 33.6% |
| **5039-**-*** | Membership Dues/Fees | 1,441 | 758 | 683 | 52.6% |
| 02-5049-01-02-24 | Biosolids Disposal - 21B | 114,593 | 125,236 | (10,643) | 109.3% |
| **5050-**-*** | Contract Services Generators - 29A | 1,954 | 2,474 | (520) | 126.6% |
| **5052-**-*** | Janitorial Services | 3,712 | 2,917 | 795 | 78.6% |
| 02-5053-01-02-24 | Contract Serv - Digester Cleaning - 29E | 0 | 0 | 0 | 0.0% |
| 02-5054-01-02-24 | Diesel Truck Maint - 31B | 0 | 6,275 | (6,275) | 0.0% |
| 02-5055-01-02-24 | Diesel Truck Fuel - 37B | 0 | 451 | (451) | 0.0% |
| 02-5056-01-02-24 | Maintenance Equip. & Facilities (Solids) 41-A | 26,497 | 36,564 | (10,067) | 138.0% |
| 02-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 53,640 | 59,717 | (6,077) | 111.3% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 5,788 | 3,771 | 2,017 | 65.2% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 16,363 | 16,809 | (446) | 102.7% |
| **5061-**-*** | Mileage | 0 | 370 | (370) | 0.0% |
| **5077-**-*** | IT Direct | 0 | 4,482 | (4,482) | 0.0% |
| **5114-**-*** | Non-Capital Engineering | 0 | 4,604 | (4,604) | 0.0% |
| **5301-**-*** | Vehicle Pay | 0 | 10 | (10) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 435 | (435) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 557 | (557) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5309-**-*** | Operating Leases | 0 | 1,103 | (1,103) | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 212,112 | 254,133 | (42,021) | 119.8% |
| **5700-**-*** | Standby Pay | 0 | 4,693 | (4,693) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 3,711 | (3,711) | 0.0% |
| **5802-**-*** | Shipping/Freight | 0 | 27 | (27) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 39,203 | 46,026 | (6,823) | 117.4% |
| Total South Coast Water District | | 1,178,954 | 1,331,054 | (152,100) | 112.9% |
| Total | | 5,222,433 | 5,581,350 | (358,917) | 106.9% |
| Total PC 02 - Jay B. Latham Plant | | 5,222,433 | 5,581,350 | (358,917) | 106.9% |

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

PC 03 - SOCWA Plant/PCA AWT

Member Agency

Moulton Niguel Water District

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------|--|----------------------|-------------------|------------------------|------------|
| **-5000-**-**-** | Regular Salaries-O&M | 52,407 | 18,981 | 33,426 | 36.2% |
| **-5001-**-**-** | Overtime Salaries-O&M | 2,083 | 500 | 1,583 | 24.0% |
| **-5011-**-**-** | Laboratory Services | 3,497 | 143 | 3,354 | 4.1% |
| 03-5013-01-03-22 | Landscaping | 0 | 2,700 | (2,700) | 0.0% |
| 03-5023-01-03-22 | Office Supplies - All | 0 | 228 | (228) | 0.0% |
| 03-5031-01-03-22 | Safety Supplies | 0 | 87 | (87) | 0.0% |
| 03-5052-01-03-22 | Janitorial Services | 0 | 23 | (23) | 0.0% |
| 03-5056-01-02-22 | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,632 | (1,632) | 0.0% |
| 03-5057-01-01-22 | Maintenance Equip. & Facilities (Liquids) 41-B | 0 | 57 | (57) | 0.0% |
| 03-5058-01-03-22 | Maintenance Equip. & Facilities (Common) 41-C | 0 | 158 | (158) | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 37,208 | 14,805 | 22,403 | 39.8% |
| | Total Moulton Niguel Water District | 95,195 | 39,314 | 55,881 | 41.3% |

Santa Margarita Water District

| | | | | | |
|------------------|--|-------|-------|---------|-------|
| **-5000-**-**-** | Regular Salaries-O&M | 3,219 | 1,813 | 1,406 | 56.3% |
| **-5001-**-**-** | Overtime Salaries-O&M | 128 | 31 | 97 | 24.2% |
| **-5011-**-**-** | Laboratory Services | 254 | 10 | 244 | 3.9% |
| 03-5013-01-03-23 | Landscaping | 0 | 1,057 | (1,057) | 0.0% |
| 03-5023-01-03-23 | Office Supplies - All | 0 | 89 | (89) | 0.0% |
| 03-5031-01-03-23 | Safety Supplies | 0 | 34 | (34) | 0.0% |
| 03-5052-01-03-23 | Janitorial Services | 0 | 9 | (9) | 0.0% |
| 03-5056-01-02-23 | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 118 | (118) | 0.0% |
| 03-5057-01-01-23 | Maintenance Equip. & Facilities (Liquids) 41-B | 0 | 4 | (4) | 0.0% |
| 03-5058-01-03-23 | Maintenance Equip. & Facilities (Common) 41-C | 0 | 62 | (62) | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 2,285 | 1,415 | 870 | 61.9% |
| | Total Santa Margarita Water District | 5,886 | 4,642 | 1,244 | 78.9% |

Total Member Agency

| | | | |
|---------|--------|--------|-------|
| 101,081 | 43,956 | 57,125 | 43.5% |
|---------|--------|--------|-------|

Total PC 03 - SOCWA Plant/PCA AWT

| | | | |
|---------|--------|--------|-------|
| 101,081 | 43,956 | 57,125 | 43.5% |
|---------|--------|--------|-------|

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 05 - San Juan Creek Ocean Outfall

Member Agency

City of San Clemente

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------|---|-------------------|-------------------|---------------------|------------|
| **5000-**-** | Regular Salaries-O&M | 19,011 | 11,326 | 7,685 | 59.6% |
| **5001-**-** | Overtime Salaries-O&M | 179 | 584 | (405) | 326.3% |
| **5002-**-** | Electricity | 213 | 20 | 193 | 9.4% |
| **5003-**-** | Natural Gas | 106 | 27 | 79 | 25.5% |
| **5014-**-** | Engineering - Misc. | 4,259 | 1,525 | 2,734 | 35.8% |
| **5015-**-** | Management Support Services | 3,833 | 0 | 3,833 | 0.0% |
| **5017-**-** | Legal Fees | 0 | 318 | (318) | 0.0% |
| **5027-**-** | Insurance - Property/Liability | 0 | 4,042 | (4,042) | 0.0% |
| **5031-**-** | Safety Supplies | 63 | 1,117 | (1,054) | 1773.0% |
| **5034-**-** | Travel Expense/Tech. Conferences | 458 | 266 | 192 | 58.1% |
| **5036-**-** | Laboratory Supplies | 3,620 | 1,937 | 1,683 | 53.5% |
| 05-5038-02-05-17 | Permits | 23,767 | 23,965 | (198) | 100.8% |
| **5044-**-** | Offshore Monitoring - 20A | 4,259 | 2,549 | 1,710 | 59.8% |
| **5045-**-** | Offshore Biochemistry - 20B | 0 | 857 | (857) | 0.0% |
| **5046-**-** | Effluent Chemistry - 20C | 5,536 | 3,106 | 2,430 | 56.1% |
| **5056-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,890 | (1,890) | 0.0% |
| **5067-**-** | Port Cleaning | 20,229 | 2,055 | 18,174 | 10.2% |
| 05-5069-02-05-17 | Misc-Capital-Dilution & Metering Study | 8,310 | 0 | 8,310 | 0.0% |
| **5305-**-** | Medicare Tax Payments for Employees | 0 | 193 | (193) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 13,498 | 8,197 | 5,301 | 60.7% |
| **5705-**-** | Monthly Car Allowance | 0 | 363 | (363) | 0.0% |
| **6500-**-** | IT Allocations in to PC's & Depts. | 5,487 | 6,008 | (521) | 109.5% |
| | Total City of San Clemente | 112,828 | 70,345 | 42,483 | 62.3% |

City of San Juan Capistrano

| | | | | | |
|------------------|---|---------|--------|---------|---------|
| **5000-**-** | Regular Salaries-O&M | 31,685 | 7,551 | 24,134 | 23.8% |
| **5001-**-** | Overtime Salaries-O&M | 298 | 390 | (92) | 130.9% |
| **5002-**-** | Electricity | 254 | 20 | 234 | 7.9% |
| **5003-**-** | Natural Gas | 127 | 26 | 101 | 20.5% |
| **5014-**-** | Engineering - Misc. | 5,072 | 1,466 | 3,606 | 28.9% |
| **5015-**-** | Management Support Services | 4,565 | 0 | 4,565 | 0.0% |
| **5017-**-** | Legal Fees | 0 | 307 | (307) | 0.0% |
| **5027-**-** | Insurance - Property/Liability | 0 | 2,695 | (2,695) | 0.0% |
| **5031-**-** | Safety Supplies | 76 | 1,075 | (999) | 1414.5% |
| **5034-**-** | Travel Expense/Tech. Conferences | 545 | 256 | 289 | 47.0% |
| **5036-**-** | Laboratory Supplies | 4,311 | 1,862 | 2,449 | 43.2% |
| 05-5038-02-05-18 | Permits | 15,844 | 15,976 | (132) | 100.8% |
| 05-5040-02-06-18 | Natural Gas - 11-EPS - PC 5 | 122 | 0 | 122 | 0.0% |
| 05-5041-02-06-18 | Electricity - 10-EPS - PC 5 | 9,579 | 771 | 8,808 | 8.0% |
| 05-5042-02-06-18 | Contract Services - 29-EPS - PC 5 | 1,216 | 0 | 1,216 | 0.0% |
| **5044-**-** | Offshore Monitoring - 20A | 5,072 | 2,452 | 2,620 | 48.3% |
| **5045-**-** | Offshore Biochemistry - 20B | 0 | 823 | (823) | 0.0% |
| **5046-**-** | Effluent Chemistry - 20C | 6,593 | 2,987 | 3,606 | 45.3% |
| **5056-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,817 | (1,817) | 0.0% |
| **5067-**-** | Port Cleaning | 24,090 | 1,976 | 22,114 | 8.2% |
| 05-5069-02-05-18 | Misc-Capital-Dilution & Metering Study | 5,540 | 0 | 5,540 | 0.0% |
| **5305-**-** | Medicare Tax Payments for Employees | 0 | 185 | (185) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 22,496 | 11,849 | 10,647 | 52.7% |
| **5705-**-** | Monthly Car Allowance | 0 | 349 | (349) | 0.0% |
| **6500-**-** | IT Allocations in to PC's & Depts. | 6,535 | 5,779 | 756 | 88.4% |
| | Total City of San Juan Capistrano | 144,020 | 60,612 | 83,408 | 42.1% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|--------------------------------|---|----------------------|-------------------|------------------------|------------|
| Moulton Niguel Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 16,314 | 10,569 | 5,745 | 64.8% |
| **5001-**-*** | Overtime Salaries-O&M | 154 | 545 | (391) | 353.9% |
| **5002-**-*** | Electricity | 115 | 15 | 100 | 13.0% |
| **5003-**-*** | Natural Gas | 58 | 21 | 37 | 36.2% |
| **5014-**-*** | Engineering - Misc. | 2,302 | 1,164 | 1,138 | 50.6% |
| **5015-**-*** | Management Support Services | 2,072 | 0 | 2,072 | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 243 | (243) | 0.0% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 3,771 | (3,771) | 0.0% |
| **5031-**-*** | Safety Supplies | 34 | 853 | (819) | 2508.8% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 248 | 203 | 45 | 81.9% |
| **5036-**-*** | Laboratory Supplies | 1,957 | 1,478 | 479 | 75.5% |
| 05-5038-02-05-22 | Permits | 22,179 | 22,364 | (185) | 100.8% |
| 05-5040-02-06-22 | Natural Gas - 11-EPS - PC 5 | 81 | 0 | 81 | 0.0% |
| 05-5041-02-06-22 | Electricity - 10-EPS - PC 5 | 6,385 | 514 | 5,871 | 8.1% |
| 05-5042-02-06-22 | Contract Services - 29-EPS - PC 5 | 811 | 0 | 811 | 0.0% |
| **5044-**-*** | Offshore Monitoring - 20A | 2,302 | 1,946 | 356 | 84.5% |
| **5045-**-*** | Offshore Biochemistry - 20B | 0 | 653 | (653) | 0.0% |
| **5046-**-*** | Effluent Chemistry - 20C | 2,993 | 2,372 | 621 | 79.3% |
| **5056-**-*** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,443 | (1,443) | 0.0% |
| **5067-**-*** | Port Cleaning | 10,935 | 1,568 | 9,367 | 14.3% |
| 05-5069-02-05-22 | Misc-Capital-Dilution & Metering Study | 7,755 | 0 | 7,755 | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 147 | (147) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 11,583 | 8,904 | 2,679 | 76.9% |
| **5705-**-*** | Monthly Car Allowance | 0 | 278 | (278) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 2,966 | 4,587 | (1,621) | 154.7% |
| | Total Moulton Niguel Water District | 91,244 | 63,638 | 27,606 | 69.7% |
| Santa Margarita Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 31,306 | 30,202 | 1,104 | 96.5% |
| **5001-**-*** | Overtime Salaries-O&M | 295 | 1,558 | (1,263) | 528.1% |
| **5002-**-*** | Electricity | 283 | 29 | 254 | 10.2% |
| **5003-**-*** | Natural Gas | 141 | 40 | 101 | 28.4% |
| **5014-**-*** | Engineering - Misc. | 5,659 | 2,234 | 3,425 | 39.5% |
| **5015-**-*** | Management Support Services | 5,093 | 0 | 5,093 | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 467 | (467) | 0.0% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 10,777 | (10,777) | 0.0% |
| **5031-**-*** | Safety Supplies | 85 | 1,637 | (1,552) | 1925.9% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 609 | 390 | 219 | 64.0% |
| **5036-**-*** | Laboratory Supplies | 4,810 | 2,836 | 1,974 | 59.0% |
| 05-5038-02-05-23 | Permits | 63,378 | 63,906 | (528) | 100.8% |
| 05-5040-02-06-23 | Natural Gas - 11-EPS - PC 5 | 81 | 0 | 81 | 0.0% |
| 05-5041-02-06-23 | Electricity - 10-EPS - PC 5 | 6,385 | 514 | 5,871 | 8.1% |
| 05-5042-02-06-23 | Contract Services - 29-EPS - PC 5 | 811 | 0 | 811 | 0.0% |
| **5044-**-*** | Offshore Monitoring - 20A | 5,659 | 3,733 | 1,926 | 66.0% |
| **5045-**-*** | Offshore Biochemistry - 20B | 0 | 1,255 | (1,255) | 0.0% |
| **5046-**-*** | Effluent Chemistry - 20C | 7,356 | 4,550 | 2,806 | 61.9% |
| **5056-**-*** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 2,768 | (2,768) | 0.0% |
| **5067-**-*** | Port Cleaning | 26,879 | 3,009 | 23,870 | 11.2% |
| 05-5069-02-05-23 | Misc-Capital-Dilution & Metering Study | 22,160 | 0 | 22,160 | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 283 | (283) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 22,229 | 14,656 | 7,573 | 65.9% |
| **5705-**-*** | Monthly Car Allowance | 0 | 532 | (532) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 7,291 | 8,800 | (1,509) | 120.7% |
| | Total Santa Margarita Water District | 210,510 | 154,176 | 56,334 | 73.2% |

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

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|--|---|----------------------|-------------------|------------------------|------------|
| South Coast Water District | | | | | |
| **5000-**-**-** | Regular Salaries-O&M | 20,738 | 8,498 | 12,240 | 41.0% |
| **5001-**-**-** | Overtime Salaries-O&M | 195 | 438 | (243) | 224.6% |
| **5002-**-**-** | Electricity | 135 | 14 | 121 | 10.4% |
| **5003-**-**-** | Natural Gas | 68 | 19 | 49 | 27.9% |
| **5014-**-**-** | Engineering - Misc. | 2,709 | 1,070 | 1,639 | 39.5% |
| **5015-**-**-** | Management Support Services | 2,437 | 0 | 2,437 | 0.0% |
| **5017-**-**-** | Legal Fees | 0 | 224 | (224) | 0.0% |
| **5027-**-**-** | Insurance - Property/Liability | 0 | 3,032 | (3,032) | 0.0% |
| **5031-**-**-** | Safety Supplies | 41 | 785 | (744) | 1914.6% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 291 | 187 | 104 | 64.3% |
| **5036-**-**-** | Laboratory Supplies | 2,302 | 1,360 | 942 | 59.1% |
| 05-5038-02-05-24 | Permits | 17,832 | 17,981 | (149) | 100.8% |
| 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 | 9,151 | 736 | 8,415 | 8.0% |
| 05-5042-02-06-24 | Contract Services - 29-EPS - PC 5 | 1,162 | 0 | 1,162 | 0.0% |
| **5044-**-**-** | Offshore Monitoring - 20A | 2,709 | 1,791 | 918 | 66.1% |
| **5045-**-**-** | Offshore Biochemistry - 20B | 0 | 602 | (602) | 0.0% |
| **5046-**-**-** | Effluent Chemistry - 20C | 3,521 | 2,183 | 1,338 | 62.0% |
| **5056-**-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,328 | (1,328) | 0.0% |
| **5067-**-**-** | Port Cleaning | 12,866 | 1,444 | 11,422 | 11.2% |
| 05-5069-02-05-24 | Misc-Capital-Dilution & Metering Study | 6,235 | 0 | 6,235 | 0.0% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 136 | (136) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 14,725 | 9,549 | 5,176 | 64.8% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 255 | (255) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 3,490 | 4,221 | (731) | 120.9% |
| Total South Coast Water District | | 100,723 | 55,853 | 44,870 | 55.5% |
| Total Member Agency | | 659,325 | 404,624 | 254,701 | 61.4% |
| Total PC 05 - San Juan Creek Ocean Outfall | | 659,325 | 404,624 | 254,701 | 61.4% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 08 - Pre Treatment

Member Agency

City of Laguna Beach

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------|-------------------------------------|-------------------|-------------------|---------------------|------------|
| 08-5000-02-08-16 | Regular Salaries-O&M | 6,407 | 6,983 | (576) | 109.0% |
| 08-5001-02-08-16 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-16 | Laboratory Services | 159 | 144 | 15 | 90.6% |
| 08-5015-02-08-16 | Management Support Services | 254 | 0 | 254 | 0.0% |
| 08-5016-02-08-16 | Audit - Environmental | 32 | 0 | 32 | 0.0% |
| 08-5017-02-08-16 | Legal Fees | 127 | 0 | 127 | 0.0% |
| 08-5018-02-08-16 | Public Notices/ Public Relations | 32 | 0 | 32 | 0.0% |
| 08-5021-02-08-16 | Small Vehicle Expense - 31A | 44 | 1 | 43 | 2.3% |
| 08-5022-02-08-16 | Miscellaneous Expense | 95 | 36 | 59 | 37.9% |
| 08-5026-02-08-16 | Small Vehicle Fuel - 37A | 63 | 3 | 60 | 4.8% |
| **5028-**-*** | Small Tools & Supplies | 259 | 141 | 118 | 54.4% |
| 08-5034-02-08-16 | Travel Expense/Tech. Conferences | 301 | 80 | 221 | 26.6% |
| 08-5035-02-08-16 | Training Expense | 127 | 95 | 32 | 74.8% |
| 08-5039-02-08-16 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-16 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-16 | Fringe Benefits IN to PC's & Depts. | 4,549 | 5,447 | (898) | 119.7% |
| | Total City of Laguna Beach | 12,449 | 12,930 | (481) | 103.9% |

City of San Clemente

| | | | | | |
|------------------|-------------------------------------|--------|--------|---------|--------|
| 08-5000-02-08-17 | Regular Salaries-O&M | 6,458 | 8,570 | (2,112) | 132.7% |
| 08-5001-02-08-17 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-17 | Laboratory Services | 160 | 177 | (17) | 110.6% |
| 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 | 0 | 32 | 0.0% |
| 08-5021-02-08-17 | Small Vehicle Expense - 31A | 45 | 1 | 44 | 2.2% |
| 08-5022-02-08-17 | Miscellaneous Expense | 96 | 44 | 52 | 45.8% |
| 08-5026-02-08-17 | Small Vehicle Fuel - 37A | 64 | 4 | 60 | 6.3% |
| **5028-**-*** | Small Tools & Supplies | 260 | 169 | 91 | 65.0% |
| 08-5034-02-08-17 | Travel Expense/Tech. Conferences | 304 | 99 | 205 | 32.6% |
| 08-5035-02-08-17 | Training Expense | 128 | 116 | 12 | 90.6% |
| 08-5039-02-08-17 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-17 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-17 | Fringe Benefits IN to PC's & Depts. | 4,585 | 6,684 | (2,099) | 145.8% |
| | Total City of San Clemente | 12,548 | 15,864 | (3,316) | 126.4% |

City of San Juan Capistrano

| | | | | | |
|------------------|-------------------------------------|--------|--------|-------|-------|
| 08-5000-02-08-18 | Regular Salaries-O&M | 10,551 | 8,041 | 2,510 | 76.2% |
| 08-5001-02-08-18 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-18 | Laboratory Services | 261 | 166 | 95 | 63.6% |
| 08-5015-02-08-18 | Management Support Services | 418 | 0 | 418 | 0.0% |
| 08-5016-02-08-18 | Audit - Environmental | 52 | 0 | 52 | 0.0% |
| 08-5017-02-08-18 | Legal Fees | 209 | 0 | 209 | 0.0% |
| 08-5018-02-08-18 | Public Notices/ Public Relations | 52 | 0 | 52 | 0.0% |
| 08-5021-02-08-18 | Small Vehicle Expense - 31A | 73 | 1 | 72 | 1.4% |
| 08-5022-02-08-18 | Miscellaneous Expense | 157 | 42 | 115 | 26.8% |
| 08-5026-02-08-18 | Small Vehicle Fuel - 37A | 104 | 3 | 101 | 2.9% |
| **5028-**-*** | Small Tools & Supplies | 361 | 160 | 201 | 44.3% |
| 08-5034-02-08-18 | Travel Expense/Tech. Conferences | 496 | 93 | 403 | 18.8% |
| 08-5035-02-08-18 | Training Expense | 209 | 109 | 100 | 52.2% |
| 08-5039-02-08-18 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-18 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-18 | Fringe Benefits IN to PC's & Depts. | 7,491 | 6,272 | 1,219 | 83.7% |
| | Total City of San Juan Capistrano | 20,434 | 14,887 | 5,547 | 72.9% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|-------------------------------------|----------------------|-------------------|------------------------|------------|
| El Toro Water District | | | | | |
| 08-5000-02-08-19 | Regular Salaries-O&M | 5,639 | 4,973 | 666 | 88.2% |
| 08-5001-02-08-19 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-19 | Laboratory Services | 140 | 102 | 38 | 72.9% |
| 08-5015-02-08-19 | Management Support Services | 223 | 0 | 223 | 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 | 0 | 28 | 0.0% |
| 08-5021-02-08-19 | Small Vehicle Expense - 31A | 39 | 1 | 38 | 2.6% |
| 08-5022-02-08-19 | Miscellaneous Expense | 84 | 26 | 58 | 31.0% |
| 08-5026-02-08-19 | Small Vehicle Fuel - 37A | 56 | 2 | 54 | 3.6% |
| **5028-** | Small Tools & Supplies | 240 | 105 | 135 | 43.8% |
| 08-5034-02-08-19 | Travel Expense/Tech. Conferences | 265 | 57 | 208 | 21.5% |
| 08-5035-02-08-19 | Training Expense | 112 | 67 | 45 | 59.8% |
| 08-5039-02-08-19 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-19 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-19 | Fringe Benefits IN to PC's & Depts. | 4,004 | 3,879 | 125 | 96.9% |
| | Total El Toro Water District | 10,970 | 9,212 | 1,758 | 84.0% |
| Emerald Bay Service District | | | | | |
| 08-5000-02-08-20 | Regular Salaries-O&M | 627 | 952 | (325) | 151.8% |
| 08-5001-02-08-20 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-20 | Laboratory Services | 16 | 20 | (4) | 125.0% |
| 08-5015-02-08-20 | Management Support Services | 25 | 0 | 25 | 0.0% |
| 08-5016-02-08-20 | Audit - Environmental | 3 | 0 | 3 | 0.0% |
| 08-5017-02-08-20 | Legal Fees | 12 | 0 | 12 | 0.0% |
| 08-5018-02-08-20 | Public Notices/ Public Relations | 3 | 0 | 3 | 0.0% |
| 08-5021-02-08-20 | Small Vehicle Expense - 31A | 4 | 0 | 4 | 0.0% |
| 08-5022-02-08-20 | Miscellaneous Expense | 9 | 5 | 4 | 55.6% |
| 08-5026-02-08-20 | Small Vehicle Fuel - 37A | 6 | 0 | 6 | 0.0% |
| **5028-** | Small Tools & Supplies | 116 | 34 | 82 | 29.3% |
| 08-5034-02-08-20 | Travel Expense/Tech. Conferences | 29 | 11 | 18 | 37.9% |
| 08-5035-02-08-20 | Training Expense | 12 | 13 | (1) | 108.3% |
| 08-5039-02-08-20 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-20 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-20 | Fringe Benefits IN to PC's & Depts. | 445 | 743 | (298) | 167.0% |
| | Total | 1,307 | 1,778 | (471) | 136.0% |
| Irvine Ranch Water District | | | | | |
| 08-5000-02-08-21 | Regular Salaries-O&M | 6,842 | 10,157 | (3,315) | 148.5% |
| 08-5001-02-08-21 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-21 | Laboratory Services | 169 | 209 | (40) | 123.7% |
| 08-5015-02-08-21 | Management Support Services | 271 | 0 | 271 | 0.0% |
| 08-5016-02-08-21 | Audit - Environmental | 34 | 0 | 34 | 0.0% |
| 08-5017-02-08-21 | Legal Fees | 135 | 0 | 135 | 0.0% |
| 08-5018-02-08-21 | Public Notices/ Public Relations | 34 | 0 | 34 | 0.0% |
| 08-5021-02-08-21 | Small Vehicle Expense - 31A | 47 | 2 | 45 | 4.3% |
| 08-5022-02-08-21 | Miscellaneous Expense | 102 | 53 | 49 | 52.0% |
| 08-5026-02-08-21 | Small Vehicle Fuel - 37A | 68 | 4 | 64 | 5.9% |
| **5028-** | Small Tools & Supplies | 269 | 197 | 72 | 73.2% |
| 08-5034-02-08-21 | Travel Expense/Tech. Conferences | 322 | 117 | 205 | 36.3% |
| 08-5035-02-08-21 | Training Expense | 135 | 138 | (3) | 102.2% |
| 08-5039-02-08-21 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-21 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-21 | Fringe Benefits IN to PC's & Depts. | 4,858 | 7,922 | (3,064) | 163.1% |
| | Total Irvine Ranch Water District | 13,286 | 18,799 | (5,513) | 141.5% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|--------------------------------------|----------------------|-------------------|------------------------|------------|
| Moulton Niguel Water District | | | | | |
| 08-5000-02-08-22 | Regular Salaries-O&M | 22,486 | 23,064 | (578) | 102.6% |
| 08-5001-02-08-22 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-22 | Laboratory Services | 556 | 475 | 81 | 85.4% |
| 08-5015-02-08-22 | Management Support Services | 890 | 0 | 890 | 0.0% |
| 08-5016-02-08-22 | Audit - Environmental | 111 | 0 | 111 | 0.0% |
| 08-5017-02-08-22 | Legal Fees | 445 | 0 | 445 | 0.0% |
| 08-5018-02-08-22 | Public Notices/ Public Relations | 111 | 0 | 111 | 0.0% |
| 08-5021-02-08-22 | Small Vehicle Expense - 31A | 156 | 4 | 152 | 2.6% |
| 08-5022-02-08-22 | Miscellaneous Expense | 326 | 120 | 206 | 36.8% |
| 08-5026-02-08-22 | Small Vehicle Fuel - 37A | 223 | 10 | 213 | 4.5% |
| **-5028-**-**-** | Small Tools & Supplies | 656 | 426 | 230 | 64.9% |
| 08-5034-02-08-22 | Travel Expense/Tech. Conferences | 1,057 | 266 | 791 | 25.2% |
| 08-5035-02-08-22 | Training Expense | 445 | 313 | 132 | 70.3% |
| 08-5039-02-08-22 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-22 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-22 | Fringe Benefits IN to PC's & Depts. | 15,965 | 17,990 | (2,025) | 112.7% |
| | Total Moulton Niguel Water District | 43,427 | 42,668 | 759 | 98.3% |
| Santa Margarita Water District | | | | | |
| 08-5000-02-08-23 | Regular Salaries-O&M | 24,033 | 24,440 | (407) | 101.7% |
| 08-5001-02-08-23 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-23 | Laboratory Services | 595 | 504 | 91 | 84.7% |
| 08-5015-02-08-23 | Management Support Services | 951 | 0 | 951 | 0.0% |
| 08-5016-02-08-23 | Audit - Environmental | 119 | 0 | 119 | 0.0% |
| 08-5017-02-08-23 | Legal Fees | 476 | 0 | 476 | 0.0% |
| 08-5018-02-08-23 | Public Notices/ Public Relations | 119 | 0 | 119 | 0.0% |
| 08-5021-02-08-23 | Small Vehicle Expense - 31A | 166 | 4 | 162 | 2.4% |
| 08-5022-02-08-23 | Miscellaneous Expense | 357 | 127 | 230 | 35.6% |
| 08-5026-02-08-23 | Small Vehicle Fuel - 37A | 238 | 10 | 228 | 4.2% |
| **-5028-**-**-** | Small Tools & Supplies | 695 | 451 | 244 | 64.9% |
| 08-5034-02-08-23 | Travel Expense/Tech. Conferences | 1,130 | 282 | 848 | 25.0% |
| 08-5035-02-08-23 | Training Expense | 476 | 331 | 145 | 69.5% |
| 08-5039-02-08-23 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-23 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-23 | Fringe Benefits IN to PC's & Depts. | 17,063 | 19,063 | (2,000) | 111.7% |
| | Total Santa Margarita Water District | 46,418 | 45,212 | 1,206 | 97.4% |
| South Coast Water District | | | | | |
| 08-5000-02-08-24 | Regular Salaries-O&M | 18,019 | 18,621 | (602) | 103.3% |
| 08-5001-02-08-24 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 08-5011-02-08-24 | Laboratory Services | 446 | 384 | 62 | 86.1% |
| 08-5015-02-08-24 | Management Support Services | 713 | 0 | 713 | 0.0% |
| 08-5016-02-08-24 | Audit - Environmental | 89 | 0 | 89 | 0.0% |
| 08-5017-02-08-24 | Legal Fees | 357 | 0 | 357 | 0.0% |
| 08-5018-02-08-24 | Public Notices/ Public Relations | 89 | 0 | 89 | 0.0% |
| 08-5021-02-08-24 | Small Vehicle Expense - 31A | 125 | 3 | 122 | 2.4% |
| 08-5022-02-08-24 | Miscellaneous Expense | 267 | 97 | 170 | 36.3% |
| 08-5026-02-08-24 | Small Vehicle Fuel - 37A | 178 | 8 | 170 | 4.5% |
| **-5028-**-**-** | Small Tools & Supplies | 546 | 347 | 199 | 63.6% |
| 08-5034-02-08-24 | Travel Expense/Tech. Conferences | 847 | 215 | 632 | 25.4% |
| 08-5035-02-08-24 | Training Expense | 357 | 253 | 104 | 70.9% |
| 08-5039-02-08-24 | Membership Dues/Fees | 0 | 0 | 0 | 0.0% |
| 08-5306-02-08-24 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 08-5401-02-08-24 | Fringe Benefits IN to PC's & Depts. | 12,794 | 14,524 | (1,730) | 113.5% |
| | Total South Coast Water District | 34,827 | 34,452 | 375 | 98.9% |
| | Total Member Agency | 195,666 | 195,802 | (136) | 100.1% |
| | Total PC 08 - Pre Treatment | 195,666 | 195,802 | (136) | 100.1% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 12 - Water Reclamation Permits

Member Agency

City of San Juan Capistrano

| | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended | |
|-----------------------------------|-------------------------------------|-------------------|---------------------|------------|--------|
| **5000-**-**-** | Regular Salaries-O&M | 2,398 | 2,903 | (505) | 121.1% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 3,171 | 1,180 | 1,991 | 37.2% |
| **5017-**-**-** | Legal Fees | 226 | 97 | 129 | 42.9% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 148 | 0 | 148 | 0.0% |
| **5038-**-**-** | Permits | 9,513 | 9,464 | 49 | 99.5% |
| 12-5305-02-10-18 | Medicare Tax Payments for Employees | 0 | 6 | (6) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 14 | (14) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 1,702 | 0 | 1,702 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 2,264 | (2,264) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 1,376 | 1,803 | (427) | 131.0% |
| Total City of San Juan Capistrano | | 18,534 | 17,731 | 803 | 95.7% |

El Toro Water District

| | | | | | |
|------------------------------|-------------------------------------|--------|--------|---------|--------|
| 12-5000-02-10-19 | Regular Salaries-O&M | 2,269 | 2,391 | (122) | 105.4% |
| 12-5001-02-10-19 | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| 12-5015-02-10-19 | Management Support Services | 3,001 | 972 | 2,029 | 32.4% |
| 12-5017-02-10-19 | Legal Fees | 214 | 80 | 134 | 37.4% |
| 12-5034-02-10-19 | Travel Expense/Tech. Conferences | 140 | 0 | 140 | 0.0% |
| 12-5038-02-10-19 | Permits | 9,003 | 7,795 | 1,208 | 86.6% |
| 12-5305-02-10-19 | Medicare Tax Payments for Employees | 0 | 6 | (6) | 0.0% |
| 12-5306-02-10-19 | Scheduled Holiday Work | 0 | 12 | (12) | 0.0% |
| 12-5401-02-10-19 | Fringe Benefits IN to PC's & Depts. | 1,611 | 0 | 1,611 | 0.0% |
| 12-5705-02-10-19 | Monthly Car Allowance | 0 | 1,865 | (1,865) | 0.0% |
| 12-6500-02-10-19 | IT Allocations in to PC's & Depts. | 1,302 | 1,485 | (183) | 114.1% |
| Total El Toro Water District | | 17,540 | 14,606 | 2,934 | 83.3% |

Irvine Ranch Water District

| | | | | | |
|-----------------------------------|-------------------------------------|--------|--------|---------|--------|
| **5000-**-**-** | Regular Salaries-O&M | 2,709 | 3,052 | (343) | 112.7% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 3,583 | 1,241 | 2,342 | 34.6% |
| **5017-**-**-** | Legal Fees | 256 | 102 | 154 | 39.8% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 167 | 0 | 167 | 0.0% |
| **5038-**-**-** | Permits | 10,748 | 9,950 | 798 | 92.6% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 8 | (8) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 15 | (15) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 1,923 | 0 | 1,923 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 2,381 | (2,381) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 1,554 | 1,895 | (341) | 121.9% |
| Total Irvine Ranch Water District | | 20,940 | 18,644 | 2,296 | 89.0% |

Moulton Niguel Water District

| | | | | | |
|-------------------------------------|-------------------------------------|--------|--------|---------|--------|
| **5000-**-**-** | Regular Salaries-O&M | 10,209 | 9,795 | 414 | 95.9% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 13,498 | 3,981 | 9,517 | 29.5% |
| **5017-**-**-** | Legal Fees | 964 | 329 | 635 | 34.1% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 630 | 0 | 630 | 0.0% |
| **5038-**-**-** | Permits | 40,509 | 31,932 | 8,577 | 78.8% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 24 | (24) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 48 | (48) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 7,248 | 0 | 7,248 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 7,640 | (7,640) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 5,858 | 6,083 | (225) | 103.8% |
| Total Moulton Niguel Water District | | 78,916 | 59,832 | 19,084 | 75.8% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|---|----------------------|-------------------|------------------------|------------|
| Santa Margarita Water District | | | | | |
| **5000-**-**-** | Regular Salaries-O&M | 8,038 | 8,684 | (646) | 108.0% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 10,633 | 3,529 | 7,104 | 33.2% |
| **5017-**-**-** | Legal Fees | 759 | 292 | 467 | 38.5% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 496 | 0 | 496 | 0.0% |
| **5038-**-**-** | Permits | 31,897 | 28,310 | 3,587 | 88.8% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 22 | (22) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 42 | (42) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 5,708 | 0 | 5,708 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 6,774 | (6,774) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 4,612 | 5,393 | (781) | 116.9% |
| | Total Santa Margarita Water District | 62,143 | 53,046 | 9,097 | 85.4% |
| South Coast Water District | | | | | |
| **5000-**-**-** | Regular Salaries-O&M | 3,229 | 3,569 | (340) | 110.5% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 4,272 | 1,450 | 2,822 | 33.9% |
| **5017-**-**-** | Legal Fees | 305 | 120 | 185 | 39.3% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 199 | 0 | 199 | 0.0% |
| **5038-**-**-** | Permits | 12,814 | 11,635 | 1,179 | 90.8% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 9 | (9) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 18 | (18) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 2,293 | 0 | 2,293 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 2,784 | (2,784) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 1,853 | 2,217 | (364) | 119.6% |
| | Total South Coast Water District | 24,965 | 21,802 | 3,163 | 87.3% |
| Trabuco Canyon Water District | | | | | |
| **5000-**-**-** | Regular Salaries-O&M | 2,902 | 3,070 | (168) | 105.8% |
| **5001-**-**-** | Overtime Salaries-O&M | 0 | 0 | 0 | 0.0% |
| **5015-**-**-** | Management Support Services | 3,839 | 1,248 | 2,591 | 32.5% |
| **5017-**-**-** | Legal Fees | 274 | 103 | 171 | 37.6% |
| **5034-**-**-** | Travel Expense/Tech. Conferences | 179 | 0 | 179 | 0.0% |
| **5038-**-**-** | Permits | 11,516 | 10,009 | 1,507 | 86.9% |
| **5305-**-**-** | Medicare Tax Payments for Employees | 0 | 8 | (8) | 0.0% |
| **5306-**-**-** | Scheduled Holiday Work | 0 | 15 | (15) | 0.0% |
| **5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 2,061 | 0 | 2,061 | 0.0% |
| **5705-**-**-** | Monthly Car Allowance | 0 | 2,395 | (2,395) | 0.0% |
| **6500-**-**-** | IT Allocations in to PC's & Depts. | 1,665 | 1,907 | (242) | 114.5% |
| | Total Trabuco Canyon Water District | 22,436 | 18,755 | 3,681 | 83.6% |
| | Total Member Agency | 245,474 | 204,416 | 41,058 | 83.3% |
| | Total PC 12 - Water Reclamation Permits | 245,474 | 204,416 | 41,058 | 83.3% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 15 - Coastal Treatment Plant

Member Agency

City of Laguna Beach

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|----------------------------|--|----------------------|-------------------|------------------------|------------|
| **5000-**-** | Regular Salaries-O&M | 377,943 | 325,194 | 52,749 | 86.0% |
| **5001-**-** | Overtime Salaries-O&M | 8,504 | 4,721 | 3,783 | 55.5% |
| **5002-**-** | Electricity | 157,410 | 114,141 | 43,269 | 72.5% |
| **5003-**-** | Natural Gas | 1,486 | 1,126 | 360 | 75.8% |
| **5004-**-** | Potable & Reclaimed Water | 5,094 | 5,665 | (571) | 111.2% |
| 15-5006-01-01-16 | Chlorine/Sodium Hypochlorite | 3,388 | 2,187 | 1,201 | 64.6% |
| 15-5007-01-01-16 | Polymer Products | 521 | 0 | 521 | 0.0% |
| 15-5008-01-01-16 | Ferric Chloride | 18,122 | 17,340 | 782 | 95.7% |
| 15-5009-01-01-16 | Odor Control Chemicals | 38,184 | 47,055 | (8,871) | 123.2% |
| 15-5011-02-01-16 | Laboratory Services | 4,546 | 5,931 | (1,385) | 130.5% |
| 15-5012-01-01-16 | Grit Hauling - 21A | 17,092 | 13,179 | 3,913 | 77.1% |
| **5013-**-** | Landscaping | 22,746 | 30,615 | (7,869) | 134.6% |
| **5014-**-** | Engineering - Misc. | 20,851 | 56,766 | (35,915) | 272.2% |
| **5015-**-** | Management Support Services | 0 | 6,296 | (6,296) | 0.0% |
| **5017-**-** | Legal Fees | 0 | 33,590 | (33,590) | 0.0% |
| **5019-**-** | Contract Services Misc. - 29 | 26,158 | 21,543 | 4,615 | 82.4% |
| **5021-**-** | Small Vehicle Expense - 31A | 1,422 | 2,147 | (725) | 151.0% |
| **5022-**-** | Miscellaneous Expense | 986 | 250 | 736 | 25.4% |
| **5023-**-** | Office Supplies - All | 2,350 | 2,723 | (373) | 115.9% |
| 15-5024-01-01-16 | Petroleum Products | 909 | 51 | 858 | 5.6% |
| **5025-**-** | Uniforms | 2,701 | 2,096 | 605 | 77.6% |
| **5026-**-** | Small Vehicle Fuel - 37A | 2,701 | 961 | 1,740 | 35.6% |
| **5027-**-** | Insurance - Property/Liability | 0 | 17,354 | (17,354) | 0.0% |
| **5028-**-** | Small Tools & Supplies | 2,654 | 3,102 | (448) | 116.9% |
| **5030-**-** | Trash Disposal | 1,137 | 437 | 700 | 38.4% |
| **5031-**-** | Safety Supplies | 9,023 | 10,457 | (1,434) | 115.9% |
| **5032-**-** | Equipment Rental | 455 | 104 | 351 | 22.9% |
| **5034-**-** | Travel Expense/Tech. Conferences | 579 | 700 | (121) | 120.9% |
| **5035-**-** | Training Expense | 2,730 | 2,664 | 66 | 97.6% |
| 15-5036-02-01-16 | Laboratory Supplies | 5,182 | 5,508 | (326) | 106.3% |
| **5037-**-** | Office Equipment | 379 | 324 | 55 | 85.5% |
| **5038-**-** | Permits | 4,815 | 845 | 3,970 | 17.5% |
| **5039-**-** | Membership Dues/Fees | 0 | 32,338 | (32,338) | 0.0% |
| **5047-**-** | Access Road Expenses | 16,680 | 0 | 16,680 | 0.0% |
| **5048-**-** | Storm Damage | 6,824 | 0 | 6,824 | 0.0% |
| 15-5049-01-01-16 | Biosolids Disposal - 21B | 75,763 | 0 | 75,763 | 0.0% |
| **5050-**-** | Contract Services Generators - 29A | 1,516 | 1,175 | 341 | 77.5% |
| **5052-**-** | Janitorial Services | 3,033 | 3,760 | (727) | 124.0% |
| 15-5054-01-01-16 | Diesel Truck Maint - 31B | 0 | 3,602 | (3,602) | 0.0% |
| 15-5057-01-01-16 | Maintenance Equip. & Facilities (Liquids) 41-B | 87,581 | 75,742 | 11,839 | 86.5% |
| **5058-**-** | Maintenance Equip. & Facilities (Common) 41-C | 3,033 | 7,913 | (4,880) | 260.9% |
| **5061-**-** | Mileage | 0 | 394 | (394) | 0.0% |
| 15-5077-01-03-16 | IT Direct | 0 | 36,415 | (36,415) | 0.0% |
| **5303-**-** | Group Insurance Waiver | 0 | 1,058 | (1,058) | 0.0% |
| **5305-**-** | Medicare Tax Payments for Employees | 0 | 939 | (939) | 0.0% |
| **5306-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-** | Fringe Benefits IN to PC's & Depts. | 268,338 | 253,651 | 14,687 | 94.5% |
| **5700-**-** | Standby Pay | 0 | 2,004 | (2,004) | 0.0% |
| **5705-**-** | Monthly Car Allowance | 0 | 1,708 | (1,708) | 0.0% |
| **6500-**-** | IT Allocations in to PC's & Depts. | 39,888 | 46,788 | (6,900) | 117.3% |
| Total City of Laguna Beach | | 1,242,724 | 1,202,559 | 40,165 | 96.8% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------------------------|--|----------------------|-------------------|------------------------|------------|
| Emerald Bay Service District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 14,743 | 13,150 | 1,593 | 89.2% |
| **5001-**-*** | Overtime Salaries-O&M | 322 | 143 | 179 | 44.4% |
| **5002-**-*** | Electricity | 5,080 | 3,432 | 1,648 | 67.6% |
| **5003-**-*** | Natural Gas | 49 | 34 | 15 | 69.4% |
| **5004-**-*** | Potable & Reclaimed Water | 332 | 367 | (35) | 110.5% |
| 15-5006-01-01-20 | Chlorine/Sodium Hypochlorite | 106 | 63 | 43 | 59.4% |
| 15-5007-01-01-20 | Polymer Products | 16 | 0 | 16 | 0.0% |
| 15-5008-01-01-20 | Ferric Chloride | 565 | 501 | 64 | 88.7% |
| 15-5009-01-01-20 | Odor Control Chemicals | 1,191 | 1,360 | (169) | 114.2% |
| 15-5011-02-01-20 | Laboratory Services | 142 | 171 | (29) | 120.4% |
| 15-5012-01-01-20 | Grit Hauling - 21A | 533 | 381 | 152 | 71.5% |
| **5013-**-*** | Landscaping | 1,794 | 2,415 | (621) | 134.6% |
| **5014-**-*** | Engineering - Misc. | 1,645 | 4,477 | (2,832) | 272.2% |
| **5015-**-*** | Management Support Services | 0 | 497 | (497) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 2,649 | (2,649) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 2,063 | 1,699 | 364 | 82.4% |
| **5021-**-*** | Small Vehicle Expense - 31A | 55 | 87 | (32) | 158.2% |
| **5022-**-*** | Miscellaneous Expense | 78 | 20 | 58 | 25.6% |
| **5023-**-*** | Office Supplies - All | 185 | 215 | (30) | 116.2% |
| 15-5024-01-01-20 | Petroleum Products | 28 | 1 | 27 | 3.6% |
| **5025-**-*** | Uniforms | 105 | 85 | 20 | 81.0% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 105 | 39 | 66 | 37.1% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 1,368 | (1,368) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 209 | 245 | (36) | 117.2% |
| **5030-**-*** | Trash Disposal | 90 | 34 | 56 | 37.8% |
| **5031-**-*** | Safety Supplies | 712 | 825 | (113) | 115.9% |
| **5032-**-*** | Equipment Rental | 36 | 8 | 28 | 22.2% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 46 | 55 | (9) | 119.6% |
| **5035-**-*** | Training Expense | 215 | 211 | 4 | 98.1% |
| 15-5036-02-01-20 | Laboratory Supplies | 162 | 159 | 3 | 98.1% |
| **5037-**-*** | Office Equipment | 30 | 26 | 4 | 86.7% |
| **5038-**-*** | Permits | 380 | 67 | 313 | 17.6% |
| **5039-**-*** | Membership Dues/Fees | 0 | 2,551 | (2,551) | 0.0% |
| **5047-**-*** | Access Road Expenses | 1,316 | 0 | 1,316 | 0.0% |
| **5048-**-*** | Storm Damage | 538 | 0 | 538 | 0.0% |
| 15-5049-01-01-20 | Biosolids Disposal - 21B | 2,363 | 0 | 2,363 | 0.0% |
| **5050-**-*** | Contract Services Generators - 29A | 120 | 93 | 27 | 77.5% |
| **5052-**-*** | Janitorial Services | 239 | 297 | (58) | 124.3% |
| 15-5054-01-01-20 | Diesel Truck Maint - 31B | 0 | 104 | (104) | 0.0% |
| 15-5057-01-01-20 | Maintenance Equip. & Facilities (Liquids) 41-B | 2,731 | 2,189 | 542 | 80.2% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 239 | 624 | (385) | 261.1% |
| **5061-**-*** | Mileage | 0 | 16 | (16) | 0.0% |
| 15-5077-01-03-20 | IT Direct | 0 | 2,872 | (2,872) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 42 | (42) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 38 | (38) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 10,469 | 10,257 | 212 | 98.0% |
| **5700-**-*** | Standby Pay | 0 | 81 | (81) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 69 | (69) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 3,147 | 3,690 | (543) | 117.3% |
| Total Emerald Bay Service District | | 52,179 | 57,707 | (5,528) | 110.6% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|---|----------------------|-------------------|------------------------|------------|
| Moulton Niguel Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 47,863 | 57,910 | (10,047) | 121.0% |
| **5001-**-*** | Overtime Salaries-O&M | 915 | 84 | 831 | 9.2% |
| **5002-**-*** | Electricity | 2,764 | 2,052 | 712 | 74.2% |
| **5003-**-*** | Natural Gas | 37 | 28 | 9 | 75.7% |
| **5004-**-*** | Potable & Reclaimed Water | 2,808 | 3,144 | (336) | 112.0% |
| **5013-**-*** | Landscaping | 17,550 | 23,621 | (6,071) | 134.6% |
| **5014-**-*** | Engineering - Misc. | 16,088 | 43,798 | (27,710) | 272.2% |
| **5015-**-*** | Management Support Services | 0 | 4,858 | (4,858) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 25,917 | (25,917) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 20,183 | 16,622 | 3,561 | 82.4% |
| **5021-**-*** | Small Vehicle Expense - 31A | 180 | 386 | (206) | 214.4% |
| **5022-**-*** | Miscellaneous Expense | 752 | 193 | 559 | 25.7% |
| **5023-**-*** | Office Supplies - All | 1,814 | 2,101 | (287) | 115.8% |
| **5025-**-*** | Uniforms | 342 | 377 | (35) | 110.2% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 342 | 173 | 169 | 50.6% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 13,390 | (13,390) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 2,048 | 2,394 | (346) | 116.9% |
| **5030-**-*** | Trash Disposal | 878 | 337 | 541 | 38.4% |
| **5031-**-*** | Safety Supplies | 6,962 | 8,068 | (1,106) | 115.9% |
| **5032-**-*** | Equipment Rental | 351 | 80 | 271 | 22.8% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 446 | 540 | (94) | 121.1% |
| **5035-**-*** | Training Expense | 2,106 | 2,056 | 50 | 97.6% |
| **5037-**-*** | Office Equipment | 293 | 250 | 43 | 85.3% |
| **5038-**-*** | Permits | 3,715 | 652 | 3,063 | 17.6% |
| **5039-**-*** | Membership Dues/Fees | 0 | 24,950 | (24,950) | 0.0% |
| **5047-**-*** | Access Road Expenses | 12,870 | 0 | 12,870 | 0.0% |
| **5048-**-*** | Storm Damage | 5,265 | 0 | 5,265 | 0.0% |
| **5050-**-*** | Contract Services Generators - 29A | 1,170 | 906 | 264 | 77.4% |
| **5052-**-*** | Janitorial Services | 2,340 | 2,901 | (561) | 124.0% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 2,340 | 6,105 | (3,765) | 260.9% |
| **5061-**-*** | Mileage | 0 | 71 | (71) | 0.0% |
| 15-5077-01-03-22 | IT Direct | 0 | 28,096 | (28,096) | 0.0% |
| 15-5303-01-03-22 | Group Insurance Waiver | 0 | 190 | (190) | 0.0% |
| 15-5305-01-03-22 | Medicare Tax Payments for Employees | 0 | 169 | (169) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 33,982 | 45,170 | (11,188) | 132.9% |
| **5700-**-*** | Standby Pay | 0 | 361 | (361) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 307 | (307) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 30,777 | 36,099 | (5,322) | 117.3% |
| Total Moulton Niguel Water District | | 217,181 | 354,356 | (137,175) | 163.2% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|--|----------------------|-------------------|------------------------|------------|
| South Coast Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 356,824 | 357,184 | (360) | 100.1% |
| **5001-**-*** | Overtime Salaries-O&M | 7,148 | 6,261 | 887 | 87.6% |
| **5002-**-*** | Electricity | 104,746 | 80,842 | 23,904 | 77.2% |
| **5003-**-*** | Natural Gas | 928 | 749 | 179 | 80.7% |
| **5004-**-*** | Potable & Reclaimed Water | 3,766 | 4,261 | (495) | 113.1% |
| **5006-**-*** | Chlorine/Sodium Hypochlorite | 108,306 | 71,673 | 36,633 | 66.2% |
| **5007-**-*** | Polymer Products | 1,463 | 0 | 1,463 | 0.0% |
| 15-5008-01-01-24 | Ferric Chloride | 11,213 | 11,469 | (256) | 102.3% |
| 15-5009-01-01-24 | Odor Control Chemicals | 23,625 | 31,123 | (7,498) | 131.7% |
| 15-5011-02-01-24 | Laboratory Services | 2,813 | 3,923 | (1,110) | 139.5% |
| 15-5012-01-01-24 | Grit Hauling - 21A | 10,575 | 8,717 | 1,858 | 82.4% |
| **5013-**-*** | Landscaping | 17,910 | 24,106 | (6,196) | 134.6% |
| **5014-**-*** | Engineering - Misc. | 16,418 | 44,697 | (28,279) | 272.2% |
| **5015-**-*** | Management Support Services | 0 | 4,957 | (4,957) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 26,448 | (26,448) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 20,597 | 16,963 | 3,634 | 82.4% |
| **5021-**-*** | Small Vehicle Expense - 31A | 1,342 | 2,253 | (911) | 167.9% |
| **5022-**-*** | Miscellaneous Expense | 776 | 197 | 579 | 25.4% |
| **5023-**-*** | Office Supplies - All | 1,851 | 2,144 | (293) | 115.8% |
| 15-5024-01-01-24 | Petroleum Products | 563 | 34 | 529 | 6.0% |
| **5025-**-*** | Uniforms | 2,550 | 2,200 | 350 | 86.3% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 2,550 | 1,008 | 1,542 | 39.5% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 13,664 | (13,664) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 2,090 | 2,443 | (353) | 116.9% |
| **5030-**-*** | Trash Disposal | 896 | 344 | 552 | 38.4% |
| **5031-**-*** | Safety Supplies | 7,104 | 8,233 | (1,129) | 115.9% |
| **5032-**-*** | Equipment Rental | 358 | 82 | 276 | 22.9% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 456 | 551 | (95) | 120.8% |
| **5035-**-*** | Training Expense | 2,149 | 2,098 | 51 | 97.6% |
| **5036-**-*** | Laboratory Supplies | 4,156 | 4,677 | (521) | 112.5% |
| **5037-**-*** | Office Equipment | 299 | 255 | 44 | 85.3% |
| **5038-**-*** | Permits | 3,791 | 665 | 3,126 | 17.5% |
| **5039-**-*** | Membership Dues/Fees | 0 | 25,463 | (25,463) | 0.0% |
| **5047-**-*** | Access Road Expenses | 13,134 | 0 | 13,134 | 0.0% |
| **5048-**-*** | Storm Damage | 5,373 | 0 | 5,373 | 0.0% |
| 15-5049-01-01-24 | Biosolids Disposal - 21B | 46,875 | 0 | 46,875 | 0.0% |
| **5050-**-*** | Contract Services Generators - 29A | 1,194 | 925 | 269 | 77.5% |
| **5052-**-*** | Janitorial Services | 2,388 | 2,961 | (573) | 124.0% |
| 15-5054-01-01-24 | Diesel Truck Maint - 31B | 0 | 2,382 | (2,382) | 0.0% |
| 15-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 54,188 | 50,098 | 4,090 | 92.5% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 2,388 | 6,230 | (3,842) | 260.9% |
| 15-5060-01-04-24 | Maintenance Equip. & Facilities (AWT) 41-E | 25,800 | 21,975 | 3,825 | 85.2% |
| **5061-**-*** | Mileage | 0 | 413 | (413) | 0.0% |
| 15-5077-01-03-24 | IT Direct | 0 | 28,673 | (28,673) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 1,109 | (1,109) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 987 | (987) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 253,344 | 278,603 | (25,259) | 110.0% |
| **5700-**-*** | Standby Pay | 0 | 2,104 | (2,104) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 1,793 | (1,793) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 31,408 | 36,841 | (5,433) | 117.3% |
| Total South Coast Water District | | 1,153,355 | 1,194,778 | (41,423) | 103.6% |
| Total Member Agency | | 2,665,439 | 2,809,400 | (143,961) | 105.4% |
| Total PC 15 - Coastal Treatment Plant | | 2,665,439 | 2,809,400 | (143,961) | 105.4% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 17 - Joint Regional Wastewater Reclamation

Member Agency

City of Laguna Beach

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|----------------------------|--|-------------------|-------------------|---------------------|------------|
| **5000-***-*** | Regular Salaries-O&M | 91,921 | 100,211 | (8,290) | 109.0% |
| **5001-***-*** | Overtime Salaries-O&M | 2,523 | 3,251 | (728) | 128.9% |
| **5002-***-*** | Electricity | 41,994 | 16,183 | 25,811 | 38.5% |
| 17-5003-01-02-16 | Natural Gas | 16,835 | 10,609 | 6,226 | 63.0% |
| **5004-***-*** | Potable & Reclaimed Water | 2,471 | 2,634 | (163) | 106.6% |
| 17-5005-01-02-16 | Co-generation Power Credit | (64,750) | (60,149) | (4,601) | 92.9% |
| 17-5006-01-01-16 | Chlorine/Sodium Hypochlorite | 95 | 55 | 40 | 57.9% |
| **5007-***-*** | Polymer Products | 40,040 | 38,805 | 1,235 | 96.9% |
| **5008-***-*** | Ferric Chloride | 9,907 | 8,754 | 1,153 | 88.4% |
| **5009-***-*** | Odor Control Chemicals | 250 | 164 | 86 | 65.6% |
| 17-5010-01-23-16 | Other Chemicals - Misc. | 213 | 103 | 110 | 48.4% |
| **5011-***-*** | Laboratory Services | 401 | 546 | (145) | 136.2% |
| 17-5012-01-01-16 | Grit Hauling - 21A | 77 | 105 | (28) | 136.4% |
| 17-5013-01-23-16 | Landscaping | 4,342 | 2,823 | 1,519 | 65.0% |
| **5014-***-*** | Engineering - Misc. | 3,366 | 4,015 | (649) | 119.3% |
| **5015-***-*** | Management Support Services | 0 | 1,745 | (1,745) | 0.0% |
| 17-5017-01-23-16 | Legal Fees | 0 | 137 | (137) | 0.0% |
| 17-5019-01-23-16 | Contract Services Misc. - 29 | 6,844 | 8,098 | (1,254) | 118.3% |
| **5021-***-*** | Small Vehicle Expense - 31A | 318 | 358 | (40) | 112.6% |
| 17-5022-01-23-16 | Miscellaneous Expense | 292 | 255 | 37 | 87.3% |
| 17-5023-01-23-16 | Office Supplies - All | 292 | 642 | (350) | 219.9% |
| **5024-***-*** | Petroleum Products | 4,803 | 4,179 | 624 | 87.0% |
| **5025-***-*** | Uniforms | 925 | 1,062 | (137) | 114.8% |
| **5026-***-*** | Small Vehicle Fuel - 37A | 699 | 377 | 322 | 53.9% |
| **5027-***-*** | Insurance - Property/Liability | 0 | 3,244 | (3,244) | 0.0% |
| 17-5028-01-23-16 | Small Tools & Supplies | 1,122 | 1,167 | (45) | 104.0% |
| 17-5030-01-23-16 | Trash Disposal | 50 | 61 | (11) | 122.0% |
| **5031-***-*** | Safety Supplies | 1,335 | 1,876 | (541) | 140.5% |
| 17-5032-01-23-16 | Equipment Rental | 168 | 48 | 120 | 28.6% |
| **5033-***-*** | Recruitment | 0 | 160 | (160) | 0.0% |
| **5034-***-*** | Travel Expense/Tech. Conferences | 86 | 93 | (7) | 108.1% |
| **5035-***-*** | Training Expense | 404 | 695 | (291) | 172.0% |
| **5036-***-*** | Laboratory Supplies | 576 | 726 | (150) | 126.0% |
| 17-5037-01-23-16 | Office Equipment | 292 | 245 | 47 | 83.9% |
| **5038-***-*** | Permits | 2,255 | 92 | 2,163 | 4.1% |
| **5039-***-*** | Membership Dues/Fees | 0 | 254 | (254) | 0.0% |
| 17-5049-01-02-16 | Biosolids Disposal - 21B | 123,025 | 111,738 | 11,287 | 90.8% |
| 17-5050-01-23-16 | Contract Services Generators - 29A | 393 | 367 | 26 | 93.4% |
| 17-5052-01-23-16 | Janitorial Services | 987 | 601 | 386 | 60.9% |
| 17-5053-01-02-16 | Contract Serv - Digester Cleaning - 29E | 7,770 | 4,261 | 3,509 | 54.8% |
| 17-5054-01-02-16 | Diesel Truck Maint - 31B | 0 | 2,637 | (2,637) | 0.0% |
| 17-5055-01-02-16 | Diesel Truck Fuel - 37B | 0 | 966 | (966) | 0.0% |
| 17-5056-01-02-16 | Maintenance Equip. & Facilities (Solids) 41-A | 22,391 | 25,792 | (3,401) | 115.2% |
| 17-5057-01-01-16 | Maintenance Equip. & Facilities (Liquids) 41-B | 246 | 271 | (25) | 110.2% |
| 17-5058-01-23-16 | Maintenance Equip. & Facilities (Common) 41-C | 1,043 | 1,198 | (155) | 114.9% |
| **5059-***-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 4,864 | 16,799 | (11,935) | 345.4% |
| **5061-***-*** | Mileage | 0 | 156 | (156) | 0.0% |
| **5068-***-*** | MNWD Lab Services and Supplies | 0 | 0 | 0 | 0.0% |
| 17-5077-01-23-16 | IT Direct | 0 | 9,002 | (9,002) | 0.0% |
| **5101-***-*** | Employee Recognition | 0 | 16 | (16) | 0.0% |
| **5105-***-*** | Co-Generation Power Credit - Offset | 0 | 23,084 | (23,084) | 0.0% |
| **5303-***-*** | Group Insurance Waiver | 0 | 30 | (30) | 0.0% |
| **5305-***-*** | Medicare Tax Payments for Employees | 0 | 83 | (83) | 0.0% |
| **5306-***-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 17-5309-01-23-16 | Operating Leases | 0 | 0 | 0 | 0.0% |
| **5401-***-*** | Fringe Benefits IN to PC's & Depts. | 65,265 | 78,164 | (12,899) | 119.8% |
| **5700-***-*** | Standby Pay | 0 | 1,406 | (1,406) | 0.0% |
| **5705-***-*** | Monthly Car Allowance | 0 | 732 | (732) | 0.0% |
| 17-5802-01-23-16 | Shipping/Freight | 0 | 3 | (3) | 0.0% |
| **6500-***-*** | IT Allocations in to PC's & Depts. | 10,411 | 12,225 | (1,814) | 117.4% |
| Total City of Laguna Beach | | 406,541 | 443,154 | (36,613) | 109.0% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------------------|--|----------------------|-------------------|------------------------|------------|
| El Toro Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 118,551 | 120,955 | (2,404) | 102.0% |
| **5001-**-*** | Overtime Salaries-O&M | 3,212 | 3,810 | (598) | 118.6% |
| **5002-**-*** | Electricity | 55,298 | 20,028 | 35,270 | 36.2% |
| 17-5003-01-02-19 | Natural Gas | 21,021 | 12,230 | 8,791 | 58.2% |
| **5004-**-*** | Potable & Reclaimed Water | 3,151 | 3,038 | 113 | 96.4% |
| 17-5005-01-02-19 | Co-generation Power Credit | (80,850) | (69,342) | (11,508) | 85.8% |
| 17-5006-01-01-19 | Chlorine/Sodium Hypochlorite | 112 | 64 | 48 | 57.1% |
| **5007-**-*** | Polymer Products | 49,987 | 44,736 | 5,251 | 89.5% |
| **5008-**-*** | Ferric Chloride | 12,364 | 10,093 | 2,271 | 81.6% |
| **5009-**-*** | Odor Control Chemicals | 305 | 189 | 116 | 62.0% |
| 17-5010-01-23-19 | Other Chemicals - Misc. | 388 | 187 | 201 | 48.2% |
| **5011-**-*** | Laboratory Services | 499 | 631 | (132) | 126.5% |
| 17-5012-01-01-19 | Grit Hauling - 21A | 90 | 121 | (31) | 134.4% |
| 17-5013-01-23-19 | Landscaping | 7,899 | 5,135 | 2,764 | 65.0% |
| **5014-**-*** | Engineering - Misc. | 6,123 | 7,303 | (1,180) | 119.3% |
| **5015-**-*** | Management Support Services | 0 | 3,174 | (3,174) | 0.0% |
| 17-5017-01-23-19 | Legal Fees | 0 | 250 | (250) | 0.0% |
| 17-5019-01-23-19 | Contract Services Misc. - 29 | 12,450 | 14,730 | (2,280) | 118.3% |
| **5021-**-*** | Small Vehicle Expense - 31A | 409 | 429 | (20) | 104.9% |
| 17-5022-01-23-19 | Miscellaneous Expense | 531 | 464 | 67 | 87.4% |
| 17-5023-01-23-19 | Office Supplies - All | 531 | 1,168 | (637) | 220.0% |
| **5024-**-*** | Petroleum Products | 5,997 | 4,818 | 1,179 | 80.3% |
| **5025-**-*** | Uniforms | 1,192 | 1,272 | (80) | 106.7% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 902 | 453 | 449 | 50.2% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 5,901 | (5,901) | 0.0% |
| 17-5028-01-23-19 | Small Tools & Supplies | 2,041 | 2,123 | (82) | 104.0% |
| 17-5030-01-23-19 | Trash Disposal | 92 | 110 | (18) | 119.6% |
| **5031-**-*** | Safety Supplies | 2,429 | 3,412 | (983) | 140.5% |
| 17-5032-01-23-19 | Equipment Rental | 306 | 88 | 218 | 28.8% |
| **5033-**-*** | Recruitment | 0 | 192 | (192) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 156 | 169 | (13) | 108.3% |
| **5035-**-*** | Training Expense | 735 | 1,265 | (530) | 172.1% |
| **5036-**-*** | Laboratory Supplies | 719 | 838 | (119) | 116.6% |
| 17-5037-01-23-19 | Office Equipment | 531 | 445 | 86 | 83.8% |
| **5038-**-*** | Permits | 4,102 | 167 | 3,935 | 4.1% |
| **5039-**-*** | Membership Dues/Fees | 0 | 463 | (463) | 0.0% |
| 17-5049-01-02-19 | Biosolids Disposal - 21B | 153,615 | 128,817 | 24,798 | 83.9% |
| 17-5050-01-23-19 | Contract Services Generators - 29A | 714 | 667 | 47 | 93.4% |
| 17-5052-01-23-19 | Janitorial Services | 1,796 | 1,092 | 704 | 60.8% |
| 17-5053-01-02-19 | Contract Serv - Digester Cleaning - 29E | 9,702 | 4,912 | 4,790 | 50.6% |
| 17-5054-01-02-19 | Diesel Truck Maint - 31B | 0 | 3,040 | (3,040) | 0.0% |
| 17-5055-01-02-19 | Diesel Truck Fuel - 37B | 0 | 1,113 | (1,113) | 0.0% |
| 17-5056-01-02-19 | Maintenance Equip. & Facilities (Solids) 41-A | 27,958 | 29,734 | (1,776) | 106.4% |
| 17-5057-01-01-19 | Maintenance Equip. & Facilities (Liquids) 41-B | 289 | 313 | (24) | 108.3% |
| 17-5058-01-23-19 | Maintenance Equip. & Facilities (Common) 41-C | 1,898 | 2,180 | (282) | 114.9% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 8,848 | 19,367 | (10,519) | 218.9% |
| **5061-**-*** | Mileage | 0 | 187 | (187) | 0.0% |
| 17-5077-01-23-19 | IT Direct | 0 | 16,375 | (16,375) | 0.0% |
| **5101-**-*** | Employee Recognition | 0 | 19 | (19) | 0.0% |
| **5105-**-*** | Co-Generation Power Credit - Offset | 0 | 28,570 | (28,570) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 41 | (41) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 99 | (99) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 17-5309-01-23-19 | Operating Leases | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 84,172 | 94,346 | (10,174) | 112.1% |
| **5700-**-*** | Standby Pay | 0 | 1,683 | (1,683) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 883 | (883) | 0.0% |
| 17-5802-01-23-19 | Shipping/Freight | 0 | 5 | (5) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 18,939 | 22,239 | (3,300) | 117.4% |
| Total El Toro Water District | | 539,204 | 556,791 | (17,587) | 103.3% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|------------------------------------|--|----------------------|-------------------|------------------------|------------|
| Emerald Bay Service District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 3,015 | 3,127 | (112) | 103.7% |
| **5001-**-*** | Overtime Salaries-O&M | 82 | 97 | (15) | 118.3% |
| **5002-**-*** | Electricity | 1,429 | 522 | 907 | 36.5% |
| 17-5003-01-02-20 | Natural Gas | 520 | 311 | 209 | 59.8% |
| **5004-**-*** | Potable & Reclaimed Water | 79 | 78 | 1 | 98.7% |
| 17-5005-01-02-20 | Co-generation Power Credit | (2,000) | (1,760) | (240) | 88.0% |
| 17-5006-01-01-20 | Chlorine/Sodium Hypochlorite | 6 | 2 | 4 | 33.3% |
| **5007-**-*** | Polymer Products | 1,240 | 1,136 | 104 | 91.6% |
| **5008-**-*** | Ferric Chloride | 308 | 256 | 52 | 83.1% |
| **5009-**-*** | Odor Control Chemicals | 11 | 5 | 6 | 45.5% |
| 17-5010-01-23-20 | Other Chemicals - Misc. | 11 | 5 | 6 | 45.5% |
| **5011-**-*** | Laboratory Services | 13 | 17 | (4) | 130.8% |
| 17-5012-01-01-20 | Grit Hauling - 21A | 5 | 3 | 2 | 60.0% |
| 17-5013-01-23-20 | Landscaping | 228 | 148 | 80 | 64.9% |
| **5014-**-*** | Engineering - Misc. | 177 | 211 | (34) | 119.2% |
| **5015-**-*** | Management Support Services | 0 | 92 | (92) | 0.0% |
| 17-5017-01-23-20 | Legal Fees | 0 | 7 | (7) | 0.0% |
| 17-5019-01-23-20 | Contract Services Misc. - 29 | 360 | 426 | (66) | 118.3% |
| **5021-**-*** | Small Vehicle Expense - 31A | 10 | 11 | (1) | 110.0% |
| 17-5022-01-23-20 | Miscellaneous Expense | 15 | 13 | 2 | 86.7% |
| 17-5023-01-23-20 | Office Supplies - All | 15 | 34 | (19) | 226.7% |
| 17-5024-01-02-20 | Petroleum Products | 148 | 122 | 26 | 82.4% |
| **5025-**-*** | Uniforms | 31 | 33 | (2) | 106.5% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 23 | 11 | 12 | 47.8% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 171 | (171) | 0.0% |
| 17-5028-01-23-20 | Small Tools & Supplies | 59 | 61 | (2) | 103.4% |
| 17-5030-01-23-20 | Trash Disposal | 3 | 3 | 0 | 100.0% |
| **5031-**-*** | Safety Supplies | 70 | 98 | (28) | 140.0% |
| 17-5032-01-23-20 | Equipment Rental | 9 | 3 | 6 | 33.3% |
| **5033-**-*** | Recruitment | 0 | 5 | (5) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 5 | 4 | 1 | 80.0% |
| **5035-**-*** | Training Expense | 21 | 37 | (16) | 176.2% |
| **5036-**-*** | Laboratory Supplies | 18 | 22 | (4) | 122.2% |
| 17-5037-01-23-20 | Office Equipment | 15 | 13 | 2 | 86.7% |
| **5038-**-*** | Permits | 119 | 5 | 114 | 4.2% |
| **5039-**-*** | Membership Dues/Fees | 0 | 13 | (13) | 0.0% |
| 17-5049-01-02-20 | Biosolids Disposal - 21B | 3,800 | 3,270 | 530 | 86.1% |
| 17-5050-01-23-20 | Contract Services Generators - 29A | 21 | 19 | 2 | 90.5% |
| 17-5052-01-23-20 | Janitorial Services | 52 | 32 | 20 | 61.5% |
| 17-5053-01-02-20 | Contract Serv - Digester Cleaning - 29E | 240 | 125 | 115 | 52.1% |
| 17-5054-01-02-20 | Diesel Truck Maint - 31B | 0 | 77 | (77) | 0.0% |
| 17-5055-01-02-20 | Diesel Truck Fuel - 37B | 0 | 28 | (28) | 0.0% |
| 17-5056-01-02-20 | Maintenance Equip. & Facilities (Solids) 41-A | 692 | 755 | (63) | 109.1% |
| 17-5057-01-01-20 | Maintenance Equip. & Facilities (Liquids) 41-B | 14 | 9 | 5 | 64.3% |
| 17-5058-01-23-20 | Maintenance Equip. & Facilities (Common) 41-C | 55 | 63 | (8) | 114.5% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 256 | 492 | (236) | 192.2% |
| **5061-**-*** | Mileage | 0 | 5 | (5) | 0.0% |
| 17-5077-01-23-20 | IT Direct | 0 | 473 | (473) | 0.0% |
| **5105-**-*** | Co-Generation Power Credit - Offset | 0 | 745 | (745) | 0.0% |
| 17-5303-02-02-20 | Group Insurance Waiver | 0 | 1 | (1) | 0.0% |
| 17-5305-02-02-20 | Medicare Tax Payments for Employees | 0 | 2 | (2) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 17-5309-01-23-20 | Operating Leases | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 2,142 | 2,438 | (296) | 113.8% |
| **5700-**-*** | Standby Pay | 0 | 43 | (43) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 23 | (23) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 547 | 643 | (96) | 117.6% |
| Total Emerald Bay Service District | | 13,864 | 14,585 | (721) | 105.2% |

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

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|--|-------------------|-------------------|---------------------|------------|
| Moulton Niguel Water District | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 1,319,363 | 1,329,921 | (10,558) | 100.8% |
| **5001-**-*** | Overtime Salaries-O&M | 34,205 | 48,909 | (14,704) | 143.0% |
| **5002-**-*** | Electricity | 724,379 | 295,123 | 429,256 | 40.7% |
| 17-5003-01-02-22 | Natural Gas | 81,198 | 56,097 | 25,101 | 69.1% |
| **5004-**-*** | Potable & Reclaimed Water | 46,647 | 30,108 | 16,539 | 64.5% |
| 17-5005-01-02-22 | Co-generation Power Credit | (312,300) | (318,054) | 5,754 | 101.8% |
| **5006-**-*** | Chlorine/Sodium Hypochlorite | 438,032 | 271,024 | 167,008 | 61.9% |
| **5007-**-*** | Polymer Products | 258,940 | 272,453 | (13,513) | 105.2% |
| **5008-**-*** | Ferric Chloride | 97,687 | 92,727 | 4,960 | 94.9% |
| **5009-**-*** | Odor Control Chemicals | 59,882 | 41,455 | 18,427 | 69.2% |
| **5010-**-*** | Other Chemicals - Misc. | 3,018 | 1,453 | 1,565 | 48.1% |
| **5011-**-*** | Laboratory Services | 8,840 | 12,823 | (3,983) | 145.1% |
| 17-5012-01-01-22 | Grit Hauling - 21A | 44,784 | 65,167 | (20,383) | 145.5% |
| **5013-**-*** | Landscaping | 61,463 | 39,961 | 21,502 | 65.0% |
| **5014-**-*** | Engineering - Misc. | 47,646 | 56,826 | (9,180) | 119.3% |
| **5015-**-*** | Management Support Services | 0 | 24,698 | (24,698) | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 1,944 | (1,944) | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 96,880 | 114,623 | (17,743) | 118.3% |
| **5020-**-*** | Postage Expense | 0 | 3 | (3) | 0.0% |
| **5021-**-*** | Small Vehicle Expense - 31A | 4,561 | 4,188 | 373 | 91.8% |
| **5022-**-*** | Miscellaneous Expense | 4,127 | 3,607 | 520 | 87.4% |
| **5023-**-*** | Office Supplies - All | 4,129 | 9,088 | (4,959) | 220.1% |
| **5024-**-*** | Petroleum Products | 26,077 | 24,775 | 1,302 | 95.0% |
| **5025-**-*** | Uniforms | 13,269 | 12,400 | 869 | 93.5% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 10,033 | 4,404 | 5,629 | 43.9% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 45,915 | (45,915) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 15,882 | 16,517 | (635) | 104.0% |
| **5030-**-*** | Trash Disposal | 715 | 858 | (143) | 120.0% |
| **5031-**-*** | Safety Supplies | 18,900 | 26,552 | (7,652) | 140.5% |
| **5032-**-*** | Equipment Rental | 2,382 | 681 | 1,701 | 28.6% |
| **5033-**-*** | Recruitment | 0 | 1,868 | (1,868) | 0.0% |
| **5034-**-*** | Travel Expense/Tech. Conferences | 1,212 | 1,314 | (102) | 108.4% |
| **5035-**-*** | Training Expense | 5,718 | 9,841 | (4,123) | 172.1% |
| **5036-**-*** | Laboratory Supplies | 14,330 | 19,157 | (4,827) | 133.7% |
| **5037-**-*** | Office Equipment | 4,129 | 3,466 | 663 | 83.9% |
| **5038-**-*** | Permits | 31,923 | 1,304 | 30,619 | 4.1% |
| **5039-**-*** | Membership Dues/Fees | 0 | 3,603 | (3,603) | 0.0% |
| 17-5049-01-02-22 | Biosolids Disposal - 21B | 593,370 | 590,851 | 2,519 | 99.6% |
| **5050-**-*** | Contract Services Generators - 29A | 5,559 | 5,190 | 369 | 93.4% |
| **5052-**-*** | Janitorial Services | 13,976 | 8,500 | 5,476 | 60.8% |
| 17-5053-01-02-22 | Contract Serv - Digester Cleaning - 29E | 37,476 | 22,531 | 14,945 | 60.1% |
| 17-5054-01-02-22 | Diesel Truck Maint - 31B | 0 | 13,945 | (13,945) | 0.0% |
| 17-5055-01-02-22 | Diesel Truck Fuel - 37B | 0 | 5,106 | (5,106) | 0.0% |
| 17-5056-01-02-22 | Maintenance Equip. & Facilities (Solids) 41-A | 107,993 | 136,383 | (28,390) | 126.3% |
| 17-5057-01-01-22 | Maintenance Equip. & Facilities (Liquids) 41-B | 143,806 | 168,878 | (25,072) | 117.4% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 14,770 | 16,965 | (2,195) | 114.9% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 68,848 | 88,830 | (19,982) | 129.0% |
| 17-5060-01-04-22 | Maintenance Equip. & Facilities (AWT) 41-E | 41,300 | 41,738 | (438) | 101.1% |
| **5061-**-*** | Mileage | 0 | 1,856 | (1,856) | 0.0% |
| **5068-**-*** | MNWD Lab Services and Supplies | 0 | 16,284 | (16,284) | 0.0% |
| **5077-**-*** | IT Direct | 0 | 127,423 | (127,423) | 0.0% |
| **5101-**-*** | Employee Recognition | 0 | 189 | (189) | 0.0% |
| **5105-**-*** | Co-Generation Power Credit - Offset | 0 | 420,981 | (420,981) | 0.0% |
| **5303-**-*** | Group Insurance Waiver | 0 | 1,200 | (1,200) | 0.0% |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 966 | (966) | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5309-**-*** | Operating Leases | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 936,746 | 1,037,341 | (100,595) | 110.7% |
| **5700-**-*** | Standby Pay | 0 | 16,402 | (16,402) | 0.0% |
| **5705-**-*** | Monthly Car Allowance | 0 | 9,801 | (9,801) | 0.0% |
| **5802-**-*** | Shipping/Freight | 0 | 43 | (43) | 0.0% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 147,375 | 173,052 | (25,677) | 117.4% |
| Total Moulton Niguel Water District | | 5,279,270 | 5,531,254 | (251,984) | 104.8% |

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

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|--|--|----------------------|----------------------|------------------------|------------|
| South Coast Water District | | | | | |
| **5000-***-*** | Regular Salaries-O&M | 58,105 | 67,252 | (9,147) | 115.7% |
| **5001-***-*** | Overtime Salaries-O&M | 1,582 | 2,158 | (576) | 136.4% |
| **5002-***-*** | Electricity | 26,900 | 10,959 | 15,941 | 40.7% |
| 17-5003-01-02-24 | Natural Gas | 10,426 | 7,004 | 3,422 | 67.2% |
| **5004-***-*** | Potable & Reclaimed Water | 1,551 | 1,739 | (188) | 112.1% |
| 17-5005-01-02-24 | Co-generation Power Credit | (40,100) | (39,708) | (392) | 99.0% |
| 17-5006-01-01-24 | Chlorine/Sodium Hypochlorite | 56 | 35 | 21 | 62.5% |
| **5007-***-*** | Polymer Products | 24,794 | 25,614 | (820) | 103.3% |
| **5008-***-*** | Ferric Chloride | 6,133 | 5,777 | 356 | 94.2% |
| **5009-***-*** | Odor Control Chemicals | 151 | 106 | 45 | 70.2% |
| 17-5010-01-23-24 | Other Chemicals - Misc. | 170 | 82 | 88 | 48.2% |
| **5011-***-*** | Laboratory Services | 248 | 360 | (112) | 145.2% |
| 17-5012-01-01-24 | Grit Hauling - 21A | 45 | 65 | (20) | 144.4% |
| 17-5013-01-23-24 | Landscaping | 3,468 | 2,254 | 1,214 | 65.0% |
| **5014-***-*** | Engineering - Misc. | 2,688 | 3,206 | (518) | 119.3% |
| **5015-***-*** | Management Support Services | 0 | 1,393 | (1,393) | 0.0% |
| 17-5017-01-23-24 | Legal Fees | 0 | 110 | (110) | 0.0% |
| 17-5019-01-23-24 | Contract Services Misc. - 29 | 5,466 | 6,467 | (1,001) | 118.3% |
| **5021-***-*** | Small Vehicle Expense - 31A | 201 | 240 | (39) | 119.4% |
| 17-5022-01-23-24 | Miscellaneous Expense | 233 | 203 | 30 | 87.1% |
| 17-5023-01-23-24 | Office Supplies - All | 233 | 513 | (280) | 220.2% |
| **5024-***-*** | Petroleum Products | 2,975 | 2,759 | 216 | 92.7% |
| **5025-***-*** | Uniforms | 584 | 711 | (127) | 121.7% |
| **5026-***-*** | Small Vehicle Fuel - 37A | 442 | 253 | 189 | 57.2% |
| **5027-***-*** | Insurance - Property/Liability | 0 | 2,590 | (2,590) | 0.0% |
| 17-5028-01-23-24 | Small Tools & Supplies | 896 | 932 | (36) | 104.0% |
| 17-5030-01-23-24 | Trash Disposal | 40 | 48 | (8) | 120.0% |
| **5031-***-*** | Safety Supplies | 1,066 | 1,497 | (431) | 140.4% |
| 17-5032-01-23-24 | Equipment Rental | 134 | 38 | 96 | 28.4% |
| **5033-***-*** | Recruitment | 0 | 108 | (108) | 0.0% |
| **5034-***-*** | Travel Expense/Tech. Conferences | 68 | 74 | (6) | 108.8% |
| **5035-***-*** | Training Expense | 323 | 555 | (232) | 171.8% |
| **5036-***-*** | Laboratory Supplies | 356 | 478 | (122) | 134.3% |
| 17-5037-01-23-24 | Office Equipment | 233 | 196 | 37 | 84.1% |
| **5038-***-*** | Permits | 1,801 | 74 | 1,727 | 4.1% |
| **5039-***-*** | Membership Dues/Fees | 0 | 203 | (203) | 0.0% |
| 17-5049-01-02-24 | Biosolids Disposal - 21B | 76,190 | 73,766 | 2,424 | 96.8% |
| 17-5050-01-23-24 | Contract Services Generators - 29A | 314 | 293 | 21 | 93.3% |
| 17-5052-01-23-24 | Janitorial Services | 788 | 480 | 308 | 60.9% |
| 17-5053-01-02-24 | Contract Serv - Digester Cleaning - 29E | 4,812 | 2,813 | 1,999 | 58.5% |
| 17-5054-01-02-24 | Diesel Truck Maint - 31B | 0 | 1,741 | (1,741) | 0.0% |
| 17-5055-01-02-24 | Diesel Truck Fuel - 37B | 0 | 637 | (637) | 0.0% |
| 17-5056-01-02-24 | Maintenance Equip. & Facilities (Solids) 41-A | 13,867 | 17,027 | (3,160) | 122.8% |
| 17-5057-01-01-24 | Maintenance Equip. & Facilities (Liquids) 41-B | 145 | 170 | (25) | 117.2% |
| 17-5058-01-23-24 | Maintenance Equip. & Facilities (Common) 41-C | 833 | 957 | (124) | 114.9% |
| **5059-***-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 3,884 | 11,090 | (7,206) | 285.5% |
| **5061-***-*** | Mileage | 0 | 104 | (104) | 0.0% |
| **5068-***-*** | MNWD Lab Services and Supplies | 0 | 0 | 0 | 0.0% |
| 17-5077-01-23-24 | IT Direct | 0 | 7,189 | (7,189) | 0.0% |
| **5101-***-*** | Employee Recognition | 0 | 11 | (11) | 0.0% |
| **5105-***-*** | Co-Generation Power Credit - Offset | 0 | 15,632 | (15,632) | 0.0% |
| **5303-***-*** | Group Insurance Waiver | 0 | 21 | (21) | 0.0% |
| **5305-***-*** | Medicare Tax Payments for Employees | 0 | 54 | (54) | 0.0% |
| **5306-***-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| 17-5309-01-23-24 | Operating Leases | 0 | 0 | 0 | 0.0% |
| **5401-***-*** | Fringe Benefits IN to PC's & Depts. | 41,253 | 52,454 | (11,201) | 127.2% |
| **5700-***-*** | Standby Pay | 0 | 940 | (940) | 0.0% |
| **5705-***-*** | Monthly Car Allowance | 0 | 492 | (492) | 0.0% |
| 17-5802-01-23-24 | Shipping/Freight | 0 | 2 | (2) | 0.0% |
| **6500-***-*** | IT Allocations in to PC's & Depts. | 8,315 | 9,763 | (1,448) | 117.4% |
| Total South Coast Water District | | 261,669 | 301,981 | (40,312) | 115.4% |
| Total Member Agency | | 6,500,548 | 6,847,765 | (347,217) | 105.3% |
| Total PC 17 - Joint Regional Wastewater Reclamation | | 6,500,548 | 6,847,765 | (347,217) | 105.3% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

PC 21 - Effluent Transmission Main

Member Agency

El Toro Water District

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|---------------|--|-------------------|-------------------|---------------------|-------------|
| **5000-**-*** | Regular Salaries-O&M | 0 | 60 | (60) | 0.0% |
| **5014-**-*** | Engineering - Misc. | 24,711 | 42 | 24,669 | 0.2% |
| **5019-**-*** | Contract Services Misc. - 29 | 0 | 135 | (135) | 0.0% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 829 | (829) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 371 | 0 | 371 | 0.0% |
| **5069-**-*** | Misc-Capital-Dilution & Metering Study | 10,296 | 0 | 10,296 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 0 | 47 | (47) | 0.0% |
| | Total El Toro Water District | 35,378 | 1,113 | 34,265 | 3.1% |

Irvine Ranch Water District

| | | | | | |
|---------------|--|---------------|--------------|---------------|-------------|
| **5000-**-*** | Regular Salaries-O&M | 0 | 60 | (60) | 0.0% |
| **5014-**-*** | Engineering - Misc. | 24,711 | 42 | 24,669 | 0.2% |
| **5019-**-*** | Contract Services Misc. - 29 | 0 | 135 | (135) | 0.0% |
| **5027-**-*** | Insurance - Property/Liability | 0 | 829 | (829) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 371 | 0 | 371 | 0.0% |
| **5069-**-*** | Misc-Capital-Dilution & Metering Study | 10,296 | 0 | 10,296 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 0 | 47 | (47) | 0.0% |
| | Total Irvine Ranch Water District | 35,378 | 1,113 | 34,265 | 3.1% |

Moulton Niguel Water District

| | | | | | |
|------------------|--|---------------|------------|---------------|-------------|
| 21-5000-02-14-22 | Regular Salaries-O&M | 0 | 26 | (26) | 0.0% |
| 21-5014-02-14-22 | Engineering - Misc. | 10,577 | 18 | 10,559 | 0.2% |
| 21-5019-02-14-22 | Contract Services Misc. - 29 | 0 | 58 | (58) | 0.0% |
| 21-5027-02-14-22 | Insurance - Property/Liability | 0 | 355 | (355) | 0.0% |
| **5028-**-*** | Small Tools & Supplies | 159 | 0 | 159 | 0.0% |
| 21-5069-02-14-22 | Misc-Capital-Dilution & Metering Study | 4,407 | 0 | 4,407 | 0.0% |
| 21-5401-02-14-22 | Fringe Benefits IN to PC's & Depts. | 0 | 20 | (20) | 0.0% |
| | Total Moulton Niguel Water District | 15,143 | 477 | 14,666 | 3.2% |

Total Member Agency

| | | | | | |
|--|--|---------------|--------------|---------------|-------------|
| | | 85,899 | 2,703 | 83,196 | 3.1% |
|--|--|---------------|--------------|---------------|-------------|

Total PC 21 - Effluent Transmission Main

| | | | | | |
|--|--|---------------|--------------|---------------|-------------|
| | | 85,899 | 2,703 | 83,196 | 3.1% |
|--|--|---------------|--------------|---------------|-------------|

PC 24 - Aliso Creek Ocean Outfall

Member Agency

City of Laguna Beach

| | | | | | |
|------------------|-------------------------------------|---------------|---------------|---------------|--------------|
| **5000-**-*** | Regular Salaries-O&M | 16,924 | 9,174 | 7,750 | 54.2% |
| **5001-**-*** | Overtime Salaries-O&M | 160 | 592 | (432) | 370.0% |
| **5002-**-*** | Electricity | 101 | 0 | 101 | 0.0% |
| **5014-**-*** | Engineering - Misc. | 2,890 | 2,261 | 629 | 78.2% |
| 24-5015-02-05-16 | Management Support Services | 1,980 | 0 | 1,980 | 0.0% |
| **5017-**-*** | Legal Fees | 0 | 68 | (68) | 0.0% |
| 24-5027-02-05-16 | Insurance - Property/Liability | 0 | 116 | (116) | 0.0% |
| **5031-**-*** | Safety Supplies | 0 | 820 | (820) | 0.0% |
| 24-5034-02-05-16 | Travel Expense/Tech. Conferences | 202 | 0 | 202 | 0.0% |
| **5036-**-*** | Laboratory Supplies | 2,457 | 1,675 | 782 | 68.2% |
| 24-5038-02-05-16 | Permits | 15,180 | 15,214 | (34) | 100.2% |
| **5044-**-*** | Offshore Monitoring - 20A | 2,890 | 1,874 | 1,016 | 64.8% |
| **5045-**-*** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-**-*** | Effluent Chemistry - 20C | 4,046 | 4,501 | (455) | 111.2% |
| **5067-**-*** | Port Cleaning | 13,727 | 616 | 13,111 | 4.5% |
| **5069-**-*** | Outfall Inspection/Port Cleaning | 5,500 | 0 | 5,500 | 0.0% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 12,016 | 7,156 | 4,860 | 59.6% |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 2,469 | 2,144 | 325 | 86.8% |
| | Total City of Laguna Beach | 80,542 | 46,211 | 34,331 | 57.4% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|-------------------------------------|----------------------|-------------------|------------------------|------------|
| El Toro Water District | | | | | |
| **5000-***** | Regular Salaries-O&M | 36,074 | 15,169 | 20,905 | 42.0% |
| **5001-***** | Overtime Salaries-O&M | 340 | 980 | (640) | 288.2% |
| **5002-***** | Electricity | 216 | 0 | 216 | 0.0% |
| **5014-***** | Engineering - Misc. | 6,159 | 3,739 | 2,420 | 60.7% |
| 24-5015-02-05-19 | Management Support Services | 2,934 | 0 | 2,934 | 0.0% |
| **5017-***** | Legal Fees | 0 | 114 | (114) | 0.0% |
| 24-5027-02-05-19 | Insurance - Property/Liability | 0 | 172 | (172) | 0.0% |
| **5031-***** | Safety Supplies | 0 | 1,356 | (1,356) | 0.0% |
| 24-5034-02-05-19 | Travel Expense/Tech. Conferences | 299 | 0 | 299 | 0.0% |
| **5036-***** | Laboratory Supplies | 5,236 | 2,770 | 2,466 | 52.9% |
| 24-5038-02-05-19 | Permits | 22,494 | 22,544 | (50) | 100.2% |
| **5044-***** | Offshore Monitoring - 20A | 6,159 | 3,098 | 3,061 | 50.3% |
| **5045-***** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-***** | Effluent Chemistry - 20C | 8,623 | 7,442 | 1,181 | 86.3% |
| **5067-***** | Port Cleaning | 29,257 | 1,019 | 28,238 | 3.5% |
| **5069-***** | Outfall Inspection/Port Cleaning | 8,150 | 0 | 8,150 | 0.0% |
| **5306-***** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-***** | Fringe Benefits IN to PC's & Depts. | 25,613 | 11,832 | 13,781 | 46.2% |
| **6500-***** | IT Allocations in to PC's & Depts. | 5,262 | 3,177 | 2,085 | 60.4% |
| Total El Toro Water District | | 156,816 | 73,412 | 83,404 | 46.8% |
| Emerald Bay Service District | | | | | |
| **5000-***** | Regular Salaries-O&M | 558 | 281 | 277 | 50.4% |
| **5001-***** | Overtime Salaries-O&M | 5 | 19 | (14) | 380.0% |
| **5002-***** | Electricity | 3 | 0 | 3 | 0.0% |
| **5014-***** | Engineering - Misc. | 95 | 70 | 25 | 73.7% |
| 24-5015-02-05-20 | Management Support Services | 140 | 0 | 140 | 0.0% |
| 24-5017-02-12-20 | Legal Fees | 0 | 2 | (2) | 0.0% |
| 24-5027-02-05-20 | Insurance - Property/Liability | 0 | 8 | (8) | 0.0% |
| **5031-***** | Safety Supplies | 0 | 25 | (25) | 0.0% |
| 24-5034-02-05-20 | Travel Expense/Tech. Conferences | 14 | 0 | 14 | 0.0% |
| **5036-***** | Laboratory Supplies | 81 | 51 | 30 | 63.0% |
| 24-5038-02-05-20 | Permits | 1,076 | 1,079 | (3) | 100.3% |
| **5044-***** | Offshore Monitoring - 20A | 95 | 58 | 37 | 61.1% |
| **5045-***** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-***** | Effluent Chemistry - 20C | 133 | 138 | (5) | 103.8% |
| **5067-***** | Port Cleaning | 452 | 19 | 433 | 4.2% |
| **5069-***** | Outfall Inspection/Port Cleaning | 390 | 0 | 390 | 0.0% |
| 24-5306-02-12-20 | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-***** | Fringe Benefits IN to PC's & Depts. | 395 | 219 | 176 | 55.4% |
| **6500-***** | IT Allocations in to PC's & Depts. | 82 | 152 | (70) | 185.4% |
| Total Emerald Bay Service District | | 3,519 | 2,121 | 1,398 | 60.3% |
| Irvine Ranch Water District | | | | | |
| **5000-***** | Regular Salaries-O&M | 32,114 | 16,218 | 15,896 | 50.5% |
| **5001-***** | Overtime Salaries-O&M | 303 | 1,047 | (744) | 345.5% |
| **5002-***** | Electricity | 192 | 0 | 192 | 0.0% |
| **5014-***** | Engineering - Misc. | 5,484 | 3,997 | 1,487 | 72.9% |
| 24-5015-02-05-21 | Management Support Services | 2,837 | 0 | 2,837 | 0.0% |
| **5017-***** | Legal Fees | 0 | 122 | (122) | 0.0% |
| 24-5027-02-05-21 | Insurance - Property/Liability | 0 | 166 | (166) | 0.0% |
| **5031-***** | Safety Supplies | 0 | 1,449 | (1,449) | 0.0% |
| 24-5034-02-05-21 | Travel Expense/Tech. Conferences | 289 | 0 | 289 | 0.0% |
| **5036-***** | Laboratory Supplies | 4,661 | 2,961 | 1,700 | 63.5% |
| 24-5038-02-05-21 | Permits | 21,749 | 21,797 | (48) | 100.2% |
| **5044-***** | Offshore Monitoring - 20A | 5,484 | 3,313 | 2,171 | 60.4% |
| **5045-***** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **5046-***** | Effluent Chemistry - 20C | 7,677 | 7,957 | (280) | 103.6% |
| **5067-***** | Port Cleaning | 26,046 | 1,090 | 24,956 | 4.2% |
| **5069-***** | Outfall Inspection/Port Cleaning | 7,880 | 0 | 7,880 | 0.0% |
| **5306-***** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **5401-***** | Fringe Benefits IN to PC's & Depts. | 22,801 | 12,651 | 10,150 | 55.5% |
| **6500-***** | IT Allocations in to PC's & Depts. | 4,685 | 3,072 | 1,613 | 65.6% |
| Total Irvine Ranch Water District | | 142,202 | 75,840 | 66,362 | 53.3% |

South Orange County Wastewater Authority

O&M Budget vs. Actual by Project Committee, Member Agency and Line Item

| | | FY 2015-16 Budget | FY 2015-16 Actual | (Over)/Under Budget | % Expended |
|---|-------------------------------------|-------------------|-------------------|---------------------|------------|
| Moulton Niguel Water District | | | | | |
| **-5000-**-**-** | Regular Salaries-O&M | 20,350 | 15,794 | 4,556 | 77.6% |
| **-5001-**-**-** | Overtime Salaries-O&M | 192 | 1,019 | (827) | 530.7% |
| **-5002-**-**-** | Electricity | 121 | 0 | 121 | 0.0% |
| **-5014-**-**-** | Engineering - Misc. | 3,475 | 3,893 | (418) | 112.0% |
| 24-5015-02-05-22 | Management Support Services | 7,891 | 0 | 7,891 | 0.0% |
| **-5017-**-**-** | Legal Fees | 0 | 118 | (118) | 0.0% |
| 24-5027-02-05-22 | Insurance - Property/Liability | 0 | 462 | (462) | 0.0% |
| **-5031-**-**-** | Safety Supplies | 0 | 1,412 | (1,412) | 0.0% |
| 24-5034-02-05-22 | Travel Expense/Tech. Conferences | 805 | 0 | 805 | 0.0% |
| **-5036-**-**-** | Laboratory Supplies | 2,954 | 2,883 | 71 | 97.6% |
| 24-5038-02-05-22 | Permits | 60,513 | 60,647 | (134) | 100.2% |
| **-5044-**-**-** | Offshore Monitoring - 20A | 3,475 | 3,226 | 249 | 92.8% |
| **-5045-**-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-**-** | Effluent Chemistry - 20C | 4,865 | 7,748 | (2,883) | 159.3% |
| **-5067-**-**-** | Port Cleaning | 16,505 | 1,061 | 15,444 | 6.4% |
| **-5069-**-**-** | Outfall Inspection/Port Cleaning | 21,925 | 0 | 21,925 | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 14,448 | 12,320 | 2,128 | 85.3% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 2,969 | 8,547 | (5,578) | 287.9% |
| Total Moulton Niguel Water District | | 160,488 | 119,130 | 41,358 | 74.2% |
| South Coast Water District | | | | | |
| **-5000-**-**-** | Regular Salaries-O&M | 11,114 | 3,647 | 7,467 | 32.8% |
| **-5001-**-**-** | Overtime Salaries-O&M | 105 | 235 | (130) | 223.8% |
| **-5002-**-**-** | Electricity | 66 | 0 | 66 | 0.0% |
| **-5014-**-**-** | Engineering - Misc. | 1,898 | 898 | 1,000 | 47.3% |
| 24-5015-02-05-24 | Management Support Services | 2,216 | 0 | 2,216 | 0.0% |
| **-5017-**-**-** | Legal Fees | 0 | 28 | (28) | 0.0% |
| 24-5027-02-05-24 | Insurance - Property/Liability | 0 | 130 | (130) | 0.0% |
| **-5031-**-**-** | Safety Supplies | 0 | 326 | (326) | 0.0% |
| 24-5034-02-05-24 | Travel Expense/Tech. Conferences | 226 | 0 | 226 | 0.0% |
| **-5036-**-**-** | Laboratory Supplies | 1,613 | 666 | 947 | 41.3% |
| 24-5038-02-05-24 | Permits | 16,988 | 17,025 | (37) | 100.2% |
| **-5044-**-**-** | Offshore Monitoring - 20A | 1,898 | 745 | 1,153 | 39.3% |
| **-5045-**-**-** | Offshore Biochemistry - 20B | 0 | 0 | 0 | 0.0% |
| **-5046-**-**-** | Effluent Chemistry - 20C | 2,656 | 1,789 | 867 | 67.4% |
| **-5067-**-**-** | Port Cleaning | 9,014 | 245 | 8,769 | 2.7% |
| **-5069-**-**-** | Outfall Inspection/Port Cleaning | 6,155 | 0 | 6,155 | 0.0% |
| **-5306-**-**-** | Scheduled Holiday Work | 0 | 0 | 0 | 0.0% |
| **-5401-**-**-** | Fringe Benefits IN to PC's & Depts. | 7,891 | 2,844 | 5,047 | 36.0% |
| **-6500-**-**-** | IT Allocations in to PC's & Depts. | 1,621 | 2,400 | (779) | 148.1% |
| Total South Coast Water District | | 63,461 | 30,978 | 32,483 | 48.8% |
| Total Member Agency | | 607,028 | 347,692 | 259,336 | 57.3% |
| Total PC 24 - Aliso Creek Ocean Outfall | | 607,028 | 347,692 | 259,336 | 57.3% |
| Total All Project Committees | | 16,282,893 | 16,437,708 | (154,815) | 101.0% |

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
YTD - As of June 30, 2016

| | | FY 2015-16 Orig Bdgt | Actual | (Over)/Under Budget | % Expended |
|--------------------------|-------------------------------------|-------------------------|------------------|------------------------|---------------|
| Salary and Fringe | | | | | |
| **5000-**-*** | Regular Salaries-O&M | 4,129,220 | 4,013,626 | 115,594 | 97.2% |
| **5001-**-*** | Overtime Salaries-O&M | 88,324 | 116,410 | (28,086) | 131.8% |
| **5306-**-*** | Scheduled Holiday Work | 0 | 0 | 0 | |
| **5401-**-*** | Fringe Benefits IN to PC's & Depts. | 2,931,744 | 3,130,629 | (198,885) | 106.8% |
| **5700-**-*** | Standby Pay | 0 | 44,525 | (44,525) | |
| | Total Payroll Costs | 7,149,288 | 7,305,190 | (155,902) | 102.2% |
| Other Expenses | | | | | |
| **5002-**-*** | Electricity | 1,981,700 | 1,235,341 | 746,359 | 62.3% |
| **5003-**-*** | Natural Gas | 143,000 | 108,610 | 34,390 | 76.0% |
| **5004-**-*** | Potable & Reclaimed Water | 58,300 | 67,013 | (8,713) | 114.9% |
| **5005-**-*** | Co-generation Power Credit | (500,000) | (489,013) | (10,987) | 97.8% |
| **5006-**-*** | Chlorine/Sodium Hypochlorite | 576,500 | 361,871 | 214,629 | 62.8% |
| **5007-**-*** | Polymer Products | 678,800 | 684,250 | (5,450) | 100.8% |
| **5008-**-*** | Ferric Chloride | 238,900 | 245,172 | (6,272) | 102.6% |
| **5009-**-*** | Odor Control Chemicals | 144,400 | 154,277 | (9,877) | 106.8% |
| **5010-**-*** | Other Chemicals - Misc. | 3,900 | 1,995 | 1,905 | 51.2% |
| **5011-**-*** | Laboratory Services | 33,250 | 36,243 | (2,993) | 109.0% |
| **5012-**-*** | Grit Hauling - 21A | 110,600 | 141,376 | (30,776) | 127.8% |
| **5013-**-*** | Landscaping | 167,200 | 172,662 | (5,462) | 103.3% |
| **5014-**-*** | Engineering - Misc. | 295,000 | 318,296 | (23,296) | 107.9% |
| **5015-**-*** | Management Support Services | 82,000 | 98,630 | (16,630) | 120.3% |
| **5016-**-*** | Audit - Environmental | 500 | 0 | 500 | 0.0% |
| **5017-**-*** | Legal Fees | 5,000 | 133,933 | (128,933) | 2678.7% |
| **5018-**-*** | Public Notices/ Public Relations | 500 | 0 | 500 | 0.0% |
| **5019-**-*** | Contract Services Misc. - 29 | 266,000 | 286,078 | (20,078) | 107.5% |
| 17-5020-01-00-00 | Postage Expense | 0 | 4 | (4) | |
| **5021-**-*** | Small Vehicle Expense - 31A | 16,200 | 19,557 | (3,357) | 120.7% |
| **5022-**-*** | Miscellaneous Expense | 16,300 | 12,332 | 3,968 | 75.7% |
| **5023-**-*** | Office Supplies - All | 21,700 | 41,568 | (19,868) | 191.6% |
| **5024-**-*** | Petroleum Products | 56,500 | 49,608 | 6,892 | 87.8% |
| **5025-**-*** | Uniforms | 33,300 | 31,370 | 1,930 | 94.2% |
| **5026-**-*** | Small Vehicle Fuel - 37A | 32,500 | 17,185 | 15,315 | 52.9% |
| **5027-**-*** | Insurance - Property/Liability | 900 | 144,644 | (143,744) | 16071.5% |
| **5028-**-*** | Small Tools & Supplies | 60,400 | 66,146 | (5,746) | 109.5% |
| **5030-**-*** | Trash Disposal | 4,650 | 3,498 | 1,152 | 75.2% |
| **5031-**-*** | Safety Supplies | 71,700 | 101,499 | (29,799) | 141.6% |
| **5032-**-*** | Equipment Rental | 7,200 | 3,664 | 3,536 | 50.9% |
| **5033-**-*** | Recruitment | 0 | 3,111 | (3,111) | |
| **5034-**-*** | Travel Expense/Tech. Conferences | 15,609 | 22,525 | (6,916) | 144.3% |
| **5035-**-*** | Training Expense | 39,800 | 49,619 | (9,819) | 124.7% |
| **5036-**-*** | Laboratory Supplies | 73,000 | 61,458 | 11,542 | 84.2% |
| **5037-**-*** | Office Equipment | 16,500 | 22,513 | (6,013) | 136.4% |
| **5038-**-*** | Permits | 494,900 | 407,209 | 87,691 | 82.3% |
| **5039-**-*** | Membership Dues/Fees | 5,900 | 8,403 | (2,503) | 142.4% |
| **5040-**-*** | Natural Gas - 11-EPS - PC 5 | 400 | 0 | 400 | 0.0% |
| **5041-**-*** | Electricity - 10-EPS - PC 5 | 31,500 | 2,534 | 28,966 | 8.0% |
| **5042-**-*** | Contract Services - 29-EPS - PC 5 | 4,000 | 0 | 4,000 | 0.0% |
| **5044-**-*** | Offshore Monitoring - 20A | 40,000 | 24,784 | 15,216 | 62.0% |
| **5045-**-*** | Offshore Biochemistry - 20B | 0 | 4,190 | (4,190) | |
| **5046-**-*** | Effluent Chemistry - 20C | 54,000 | 44,773 | 9,227 | 82.9% |

**South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary
YTD - As of June 30, 2016**

| | FY 2015-16 Orig Bdgt | Actual | (Over)/Under Budget | % Expended | |
|------------------|--|-------------------|------------------------|------------------|---------------|
| **5047-**-*** | Access Road Expenses | 44,000 | 84,538 | (40,538) | 192.1% |
| **5048-**-*** | Storm Damage | 18,000 | 0 | 18,000 | 0.0% |
| **5049-**-*** | Biosolids Disposal - 21B | 1,632,900 | 1,477,697 | 155,203 | 90.5% |
| **5050-**-*** | Contract Services Generators - 29A | 19,000 | 19,763 | (763) | 104.0% |
| **5052-**-*** | Janitorial Services | 40,800 | 32,597 | 8,203 | 79.9% |
| **5053-**-*** | Contract Serv - Digester Cleaning - 29E | 60,000 | 34,641 | 25,359 | 57.7% |
| **5054-**-*** | Diesel Truck Maint - 31B | 0 | 56,054 | (56,054) | |
| **5055-**-*** | Diesel Truck Fuel - 37B | 0 | 9,899 | (9,899) | |
| **5056-**-*** | Maintenance Equip. & Facilities (Solids) 41-A | 301,900 | 386,885 | (84,985) | 128.1% |
| **5057-**-*** | Maintenance Equip. & Facilities (Liquids) 41-B | 514,000 | 529,461 | (15,461) | 103.0% |
| **5058-**-*** | Maintenance Equip. & Facilities (Common) 41-C | 50,300 | 57,891 | (7,591) | 115.1% |
| **5059-**-*** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 153,700 | 212,984 | (59,284) | 138.6% |
| **5060-**-*** | Maintenance Equip. & Facilities (AWT) 41-E | 67,100 | 63,713 | 3,387 | 95.0% |
| **5061-**-*** | Mileage | 0 | 4,718 | (4,718) | |
| **5067-**-*** | Port Cleaning | 190,000 | 14,100 | 175,900 | 7.4% |
| **5068-**-*** | MNWD Potable Water Supplies & Svcs. | 22,000 | 16,284 | 5,716 | 74.0% |
| **5069-**-*** | Misc-Capital-Dilution & Metering Study | 125,000 | 0 | 125,000 | 0.0% |
| **5077-**-*** | IT Direct | 0 | 274,869 | (274,869) | |
| 17-5101-01-00-00 | Employee Recognition | 0 | 236 | (236) | |
| **5105-**-*** | Co-Generation Power Credit - Offset | 0 | 489,013 | (489,013) | |
| 02-5114-01-00-00 | Non-Capital Engineering | 0 | 18,851 | (18,851) | |
| 02-5301-01-00-00 | Vehicle Pay | 0 | 39 | (39) | |
| **5303-**-*** | Group Insurance Waiver | 0 | 5,463 | (5,463) | |
| **5305-**-*** | Medicare Tax Payments for Employees | 0 | 6,680 | (6,680) | |
| **5309-**-*** | Operating Leases | 0 | 4,515 | (4,515) | |
| **5705-**-*** | Monthly Car Allowance | 0 | 33,053 | (33,053) | |
| **5802-**-*** | Shipping/Freight | 0 | 162 | (162) | |
| **6500-**-*** | IT Allocations in to PC's & Depts. | 512,397 | 599,453 | (87,056) | 117.0% |
| | Total Other Expenses | 9,133,606 | 9,132,483 | 1,123 | 100.0% |
| | Total Expenses | 16,282,894 | 16,437,673 | (154,779) | 101.0% |

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

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|---------------------------------|-------------------------------------|------------------|------------------|------------------------|----------------|
| 02 - Jay B. Latham Plant | | | | | |
| Salary and Fringe | | | | | |
| 02-5000-01-**-** | Regular Salaries-O&M | 1,195,758 | 1,221,188 | (25,430) | 102.13% (A) |
| 02-5000-02-**-** | Regular Salaries-O&M | 120,504 | 128,898 | (8,394) | 106.97% (A) |
| 02-5001-01-**-** | Overtime Salaries-O&M | 25,396 | 37,453 | (12,057) | 147.48% |
| 02-5001-02-**-** | Overtime Salaries-O&M | 0 | 1,586 | (1,586) | 0.00% |
| 02-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 848,988 | 952,527 | (103,539) | 112.20% (B) |
| 02-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 85,558 | 100,540 | (14,982) | 117.51% (B) |
| 02-5700-01-**-** | Standby Pay | 0 | 19,500 | (19,500) | 0.00% (C) |
| | Total Payroll Costs | 2,276,204 | 2,461,692 | (185,488) | 108.15% |
| Other Expenses | | | | | |
| 02-5002-01-00-00 | Electricity | 860,000 | 691,961 | 168,039 | 80.46% |
| 02-5003-01-00-00 | Natural Gas | 10,000 | 20,289 | (10,289) | 202.89% |
| 02-5004-01-00-00 | Potable & Reclaimed Water | 14,400 | 15,979 | (1,579) | 110.96% |
| 02-5006-01-**-** | Chlorine/Sodium Hypochlorite | 26,400 | 16,767 | 9,633 | 63.51% |
| 02-5007-01-**-** | Polymer Products | 301,800 | 301,507 | 293 | 99.90% |
| 02-5008-01-**-** | Ferric Chloride | 82,600 | 98,253 | (15,653) | 118.95% |
| 02-5009-01-00-00 | Odor Control Chemicals | 20,800 | 32,820 | (12,020) | 157.79% (J) |
| 02-5010-01-00-00 | Other Chemicals - Misc. | 100 | 164 | (64) | 164.05% |
| 02-5011-02-**-** | Laboratory Services | 9,500 | 9,508 | (8) | 100.08% |
| 02-5012-01-**-** | Grit Hauling - 21A | 37,400 | 53,638 | (16,238) | 143.42% (D) |
| 02-5013-01-**-** | Landscaping | 29,800 | 41,584 | (11,784) | 139.54% (K) |
| 02-5014-01-**-** | Engineering - Misc. | 80,000 | 70,821 | 9,179 | 88.53% |
| 02-5015-01-**-** | Management Support Services | 0 | 37,321 | (37,321) | 0.00% (E) |
| 02-5017-01-00-00 | Legal Fees | 0 | 39,747 | (39,747) | 0.00% (F) |
| 02-5019-01-**-** | Contract Services Misc. - 29 | 75,000 | 84,580 | (9,580) | 112.77% |
| 02-5021-01-**-** | Small Vehicle Expense - 31A | 0 | 9,440 | (9,440) | 0.00% |
| 02-5021-02-00-00 | Small Vehicle Expense - 31A | 7,000 | 0 | 7,000 | 0.00% |
| 02-5022-01-**-** | Miscellaneous Expense | 7,000 | 6,580 | 420 | 94.00% |
| 02-5023-01-**-** | Office Supplies - All | 10,300 | 22,624 | (12,324) | 219.65% |
| 02-5024-01-00-00 | Petroleum Products | 15,000 | 12,869 | 2,131 | 85.80% |
| 02-5025-01-**-** | Uniforms | 11,600 | 11,133 | 467 | 95.98% |
| 02-5026-01-**-** | Small Vehicle Fuel - 37A | 13,700 | 9,462 | 4,238 | 69.07% |
| 02-5027-01-00-00 | Insurance - Property/Liability | 0 | 13,512 | (13,512) | 0.00% (C) |
| 02-5028-01-**-** | Small Tools & Supplies | 30,000 | 35,150 | (5,150) | 117.17% |
| 02-5028-02-00-00 | Small Tools & Supplies | 0 | 135 | (135) | 0.00% |
| 02-5030-01-**-** | Trash Disposal | 750 | 1,265 | (515) | 168.68% |
| 02-5031-01-**-** | Safety Supplies | 0 | 1,576 | (1,576) | 0.00% |
| 02-5031-02-**-** | Safety Supplies | 23,800 | 27,928 | (4,128) | 117.35% |
| 02-5032-01-**-** | Equipment Rental | 3,000 | 2,533 | 467 | 84.42% |
| 02-5033-01-00-00 | Recruitment | 0 | 574 | (574) | 0.00% |
| 02-5033-02-00-00 | Recruitment | 0 | 206 | (206) | 0.00% |
| 02-5034-01-**-** | Travel Expense/Tech. Conferences | 1,863 | 15,985 | (14,122) | 858.03% (E) |
| 02-5034-02-03-00 | Travel Expense/Tech. Conferences | 0 | 520 | (520) | 0.00% (E) |
| 02-5035-01-**-** | Training Expense | 23,400 | 23,599 | (199) | 100.85% (E) |
| 02-5035-02-00-00 | Training Expense | 0 | 5,166 | (5,166) | 0.00% (E) |
| 02-5036-02-00-00 | Laboratory Supplies | 13,500 | 9,412 | 4,088 | 69.72% |
| 02-5037-01-**-** | Office Equipment | 10,300 | 17,295 | (6,995) | 167.91% |
| 02-5038-02-**-** | Permits | 35,000 | 11,748 | 23,252 | 33.57% |
| 02-5039-01-**-** | Membership Dues/Fees | 0 | 2,755 | (2,755) | 0.00% (E) |
| 02-5039-02-00-00 | Membership Dues/Fees | 5,900 | 346 | 5,554 | 5.86% (E) |
| 02-5049-01-00-00 | Biosolids Disposal - 21B | 557,900 | 569,254 | (11,354) | 102.04% |
| 02-5050-01-**-** | Contract Services Generators - 29A | 8,000 | 10,127 | (2,127) | 126.59% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | | | (Over)/Under | % |
|------------------|--|-----------|-----------|--------------|-------------|
| | | Budget | Actual | Budget | Expended |
| 02-5052-01-**-** | Janitorial Services | 15,200 | 11,942 | 3,258 | 78.56% |
| 02-5054-01-**-** | Diesel Truck Maint - 31B | 0 | 28,525 | (28,525) | 0.00% (G) |
| 02-5055-01-**-** | Diesel Truck Fuel - 37B | 0 | 2,048 | (2,048) | 0.00% |
| 02-5056-01-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 129,000 | 166,198 | (37,198) | 128.84% (G) |
| 02-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) 41-B | 225,000 | 231,731 | (6,731) | 102.99% |
| 02-5058-01-**-** | Maintenance Equip. & Facilities (Common) 41-C | 23,700 | 15,436 | 8,264 | 65.13% |
| 02-5059-01-**-** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 67,000 | 76,406 | (9,406) | 114.04% |
| 02-5061-01-**-** | Mileage | 0 | 873 | (873) | 0.00% |
| 02-5061-02-**-** | Mileage | 0 | 641 | (641) | 0.00% |
| 02-5077-01-00-00 | IT Direct | 0 | 18,351 | (18,351) | 0.00% (H) |
| 02-5114-01-00-00 | Non-Capital Engineering | 0 | 18,851 | (18,851) | 0.00% (C) |
| 02-5301-01-00-00 | Vehicle Pay | 0 | 39 | (39) | 0.00% |
| 02-5303-01-00-00 | Group Insurance Waiver | 0 | 663 | (663) | 0.00% |
| 02-5303-02-00-00 | Group Insurance Waiver | 0 | 1,108 | (1,108) | 0.00% |
| 02-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 2,313 | (2,313) | 0.00% |
| 02-5309-01-**-** | Operating Leases | 0 | 4,515 | (4,515) | 0.00% |
| 02-5705-01-**-** | Monthly Car Allowance | 0 | 11,587 | (11,587) | 0.00% |
| 02-5705-02-00-00 | Monthly Car Allowance | 0 | 3,720 | (3,720) | 0.00% |
| 02-5802-01-00-00 | Shipping/Freight | 0 | 108 | (108) | 0.00% |
| 02-6500-01-**-** | IT Allocations in to PC's & Depts. | 143,176 | 168,662 | (25,486) | 117.80% (I) |
| 02-6500-02-**-** | IT Allocations in to PC's & Depts. | 17,339 | 19,779 | (2,440) | 114.07% (I) |
| | Total Other Expenses | 2,946,228 | 3,119,631 | (173,403) | 105.89% |
| | Total Expenses | 5,222,432 | 5,581,323 | (358,891) | 106.87% |

- (A) Labor due to increased biosolids hauling
- (B) Fringe rate change due to retirements
- (C) Costs not included in Original Budget
- (D) Failed equipment caused wetter material to be hauled offsite
- (E) Consolidated expenses identified to PC, budgeted as Admin and Other
- (F) Zephyr, Condo Project Agreement
- (G) Maintenance Projects scheduled when construction-in-progress shutdown and tie-ins
- (H) Board Approved systems improvement project
- (I) Systems Improvements, Tabware, Finance, etc.
- (J) Increased use of odor control chemicals with Lower Flows
- (K) Falling Trees, removals

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|--------------------------------|--|---------|--------|------------------------|---------------|
| 03 - SOCWA Plan/PCA AWT | | | | | |
| Salary and Fringe | | | | | |
| 03-5000-01-**-** | Regular Salaries-O&M | 55,626 | 19,400 | 36,226 | 34.88% |
| 03-5000-02-**-** | Regular Salaries-O&M | 0 | 1,396 | (1,396) | 0.00% |
| 03-5001-01-**-** | Overtime Salaries-O&M | 2,211 | 530 | 1,681 | 23.99% |
| 03-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 39,494 | 15,132 | 24,362 | 38.31% |
| 03-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 0 | 1,088 | (1,088) | 0.00% |
| | Total Payroll Costs | 97,331 | 37,546 | 59,785 | 38.58% |
| Other Expenses | | | | | |
| 03-5011-02-00-00 | Laboratory Services | 3,750 | 153 | 3,597 | 4.08% |
| 03-5014-01-**-** | Engineering - Misc. | 0 | 3,757 | (3,757) | 0.00% |
| 03-5023-01-00-00 | Office Supplies - All | 0 | 317 | (317) | 0.00% |
| 03-5031-01-03-00 | Safety Supplies | 0 | 121 | (121) | 0.00% |
| 03-5052-01-03-00 | Janitorial Services | 0 | 32 | (32) | 0.00% |
| 03-5056-01-02-00 | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 1,750 | (1,750) | 0.00% |
| 03-5057-01-01-00 | Maintenance Equip. & Facilities (Liquids) 41-B | 0 | 61 | (61) | 0.00% |
| 03-5058-01-**-** | Maintenance Equip. & Facilities (Common) 41-C | 0 | 220 | (220) | 0.00% |
| | Total Other Expenses | 3,750 | 6,411 | (2,661) | 170.96% |
| | Total Expenses | 101,081 | 43,957 | 57,124 | 43.49% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|--|---|---------|---------|------------------------|---------------|
| 05 - San Juan Creek Ocean Outfall | | | | | |
| Salary and Fringe | | | | | |
| 05-5000-01-11-00 | Regular Salaries-O&M | 0 | 1,244 | (1,244) | 0.00% |
| 05-5000-02-**-** | Regular Salaries-O&M | 119,054 | 66,901 | 52,153 | 56.19% |
| 05-5001-02-**-** | Overtime Salaries-O&M | 1,121 | 3,516 | (2,395) | 313.65% |
| 05-5401-01-11-00 | Fringe Benefits IN to PC's & Depts. | 0 | 971 | (971) | 0.00% |
| 05-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 84,529 | 52,183 | 32,346 | 61.73% |
| | Total Payroll Costs | 204,704 | 124,815 | 79,889 | 60.97% |
| Other Expenses | | | | | |
| 05-5002-01-00-00 | Electricity | 0 | 97 | (97) | 0.00% |
| 05-5002-02-00-00 | Electricity | 1,000 | 0 | 1,000 | 0.00% |
| 05-5003-01-**-** | Natural Gas | 0 | 132 | (132) | 0.00% |
| 05-5003-02-00-00 | Natural Gas | 500 | 0 | 500 | 0.00% |
| 05-5014-01-00-00 | Engineering - Misc. | 0 | 1,612 | (1,612) | 0.00% |
| 05-5014-02-00-00 | Engineering - Misc. | 20,000 | 5,849 | 14,151 | 29.24% |
| 05-5015-02-00-00 | Management Support Services | 18,000 | 0 | 18,000 | 0.00% |
| 05-5017-01-00-00 | Legal Fees | 0 | 1,558 | (1,558) | 0.00% |
| 05-5027-01-00-00 | Insurance - Property/Liability | 0 | 19,627 | (19,627) | 0.00% |
| 05-5027-02-00-00 | Insurance - Property/Liability | 0 | 4,690 | (4,690) | 0.00% |
| 05-5031-02-00-00 | Safety Program & Supplies | 300 | 5,468 | (5,168) | 1822.60% |
| 05-5034-02-00-00 | Travel Expense/Tech. Conferences | 2,150 | 1,302 | 848 | 60.56% |
| 05-5036-02-00-00 | Laboratory Supplies | 17,000 | 9,474 | 7,526 | 55.73% |
| 05-5038-02-**-** | Permits | 143,000 | 144,192 | (1,192) | 100.83% |
| 05-5040-02-00-00 | Natural Gas - 11-EPS - PC 5 | 400 | 0 | 400 | 0.00% |
| 05-5041-02-00-00 | Electricity - 10-EPS - PC 5 | 31,500 | 2,534 | 28,966 | 8.04% |
| 05-5042-02-00-00 | Contract Services - 29-EPS - PC 5 | 4,000 | 0 | 4,000 | 0.00% |
| 05-5044-02-**-** | Offshore Monitoring - 20A | 20,000 | 12,471 | 7,529 | 62.36% |
| 05-5045-02-00-00 | Offshore Biochemistry - 20B | 0 | 4,190 | (4,190) | 0.00% |
| 05-5046-02-**-** | Effluent Chemistry - 20C | 26,000 | 15,196 | 10,804 | 58.45% |
| 05-5056-01-02-00 | Maintenance Equip. & Facilities (Solids) 41-A | 0 | 9,246 | (9,246) | 0.00% |
| 05-5067-02-00-00 | Port Cleaning | 95,000 | 10,050 | 84,950 | 10.58% |
| 05-5069-02-00-00 | Misc-Capital-Dilution & Metering Study | 50,000 | 0 | 50,000 | 0.00% |
| 05-5305-02-**-** | Medicare Tax Payments for Employees | 0 | 944 | (944) | 0.00% |
| 05-5705-02-**-** | Monthly Car Allowance | 0 | 1,777 | (1,777) | 0.00% |
| 05-6500-02-**-** | IT Allocations in to PC's & Depts. | 25,770 | 29,397 | (3,627) | 114.07% |
| | Total Other Expenses | 454,620 | 279,805 | 174,815 | 61.55% |
| | Total Expenses | 659,324 | 404,620 | 254,704 | 61.37% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|---------------------------------------|-------------------------------------|---------|---------|------------------------|---------------|
| 08 - Pre Treatment | | | | | |
| Salary and Fringe | | | | | |
| 08-5000-02-**-** | Regular Salaries-O&M | 101,062 | 105,799 | (4,737) | 104.69% |
| 08-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 71,754 | 82,523 | (10,769) | 115.01% |
| | Total Payroll Costs | 172,816 | 188,322 | (15,506) | 108.97% |
| Other Expenses | | | | | |
| 08-5011-02-00-00 | Laboratory Services | 2,500 | 2,180 | 320 | 87.20% |
| 08-5015-02-00-00 | Management Support Services | 4,000 | 0 | 4,000 | 0.00% |
| 08-5016-02-00-00 | Audit - Environmental | 500 | 0 | 500 | 0.00% |
| 08-5017-02-00-00 | Legal Fees | 2,000 | 0 | 2,000 | 0.00% |
| 08-5018-02-00-00 | Public Notices/ Public Relations | 500 | 0 | 500 | 0.00% |
| 08-5021-02-00-00 | Small Vehicle Expense - 31A | 700 | 16 | 684 | 2.30% |
| 08-5022-02-00-00 | Miscellaneous Expense | 1,500 | 549 | 951 | 36.60% |
| 08-5026-02-00-00 | Small Vehicle Fuel - 37A | 1,000 | 45 | 955 | 4.51% |
| 08-5027-02-00-00 | Insurance - Property/Liability | 900 | 155 | 745 | 17.26% |
| 08-5028-02-00-00 | Small Tools & Supplies | 2,500 | 1,877 | 623 | 75.09% |
| 08-5034-02-00-00 | Travel Expense/Tech. Conferences | 4,750 | 1,219 | 3,531 | 25.67% |
| 08-5035-02-00-00 | Training Expense | 2,000 | 1,435 | 565 | 71.75% |
| | Total Other Expenses | 22,850 | 7,477 | 15,373 | 32.72% |
| | Total Expenses | 195,666 | 195,799 | (133) | 100.07% |
| 12 - Water Reclamation Permits | | | | | |
| Salary and Fringe | | | | | |
| 12-5000-02-**-** | Regular Salaries-O&M | 31,753 | 33,466 | (1,713) | 105.40% |
| 12-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 22,545 | 26,104 | (3,559) | 115.78% |
| | Total Payroll Costs | 54,298 | 59,570 | (5,272) | 109.71% |
| Other Expenses | | | | | |
| 12-5015-02-00-00 | Management Support Services | 42,000 | 13,600 | 28,400 | 32.38% |
| 12-5017-02-00-00 | Legal Fees | 3,000 | 1,125 | 1,875 | 37.50% |
| 12-5034-02-00-00 | Travel Expense/Tech. Conferences | 1,958 | 0 | 1,958 | 0.00% |
| 12-5038-02-**-** | Permits | 126,000 | 109,095 | 16,905 | 86.58% |
| 12-5305-02-00-00 | Medicare Tax Payments for Employees | 0 | 83 | (83) | 0.00% |
| 12-5705-02-00-00 | Monthly Car Allowance | 0 | 162 | (162) | 0.00% |
| 12-6500-02-**-** | IT Allocations in to PC's & Depts. | 18,219 | 20,782 | (2,563) | 114.07% |
| | Total Other Expenses | 191,177 | 144,848 | 46,330 | 75.77% |
| | Total Expenses | 245,475 | 204,417 | 41,058 | 83.27% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|-------------------------------------|-------------------------------------|-----------|-----------|------------------------|---------------|
| 15 - Coastal Treatment Plant | | | | | |
| Salary and Fringe | | | | | |
| 15-5000-01-**-** | Regular Salaries-O&M | 698,698 | 653,485 | 45,213 | 93.53% |
| 15-5000-02-**-** | Regular Salaries-O&M | 98,674 | 99,953 | (1,279) | 101.30% |
| 15-5001-01-**-** | Overtime Salaries-O&M | 16,890 | 10,200 | 6,690 | 60.39% |
| 15-5001-02-**-** | Overtime Salaries-O&M | 0 | 1,008 | (1,008) | 0.00% |
| 15-5401-01-**-** | Fringe Benefits IN to PC's & Depts. | 496,075 | 509,718 | (13,643) | 102.75% |
| 15-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 70,058 | 77,963 | (7,905) | 111.28% |
| 15-5700-01-**-** | Standby Pay | 0 | 4,550 | (4,550) | 0.00% |
| | Total Payroll Costs | 1,380,395 | 1,356,877 | 23,518 | 98.30% |
| Other Expenses | | | | | |
| 15-5002-01-00-00 | Electricity | 270,000 | 200,467 | 69,533 | 74.25% |
| 15-5003-01-00-00 | Natural Gas | 2,500 | 1,937 | 563 | 77.49% |
| 15-5004-01-00-00 | Potable & Reclaimed Water | 12,000 | 13,437 | (1,437) | 111.98% |
| 15-5006-01-**-** | Chlorine/Sodium Hypochlorite | 111,800 | 73,924 | 37,876 | 66.12% |
| 15-5007-01-00-00 | Polymer Products | 2,000 | 0 | 2,000 | 0.00% |
| 15-5008-01-**-** | Ferric Chloride | 29,900 | 29,311 | 589 | 98.03% |
| 15-5009-01-**-** | Odor Control Chemicals | 63,000 | 79,538 | (16,538) | 126.25% (A) |
| 15-5011-02-**-** | Laboratory Services | 7,500 | 10,025 | (2,525) | 133.67% |
| 15-5012-01-**-** | Grit Hauling - 21A | 28,200 | 22,276 | 5,924 | 78.99% |
| 15-5013-01-**-** | Landscaping | 60,000 | 80,757 | (20,757) | 81.57% |
| 15-5014-01-**-** | Engineering - Misc. | 55,000 | 149,738 | (94,738) | 272.25% (B) |
| 15-5015-01-**-** | Management Support Services | | 16,607 | (16,607) | 69.60% |
| 15-5017-01-00-00 | Legal Fees | 0 | 88,605 | (88,605) | 0.00% (C) |
| 15-5019-01-**-** | Contract Services Misc. - 29 | 69,000 | 56,828 | 12,172 | 82.36% |
| 15-5021-01-**-** | Small Vehicle Expense - 31A | 0 | 4,873 | (4,873) | 0.00% |
| 15-5021-02-00-00 | Small Vehicle Expense - 31A | 3,000 | 0 | 3,000 | 0.00% |
| 15-5022-01-**-** | Miscellaneous Expense | 2,600 | 660 | 1,940 | 25.40% |
| 15-5023-01-**-** | Office Supplies - All | 6,200 | 7,184 | (984) | 115.86% |
| 15-5024-01-**-** | Petroleum Products | 1,500 | 86 | 1,414 | 5.75% |
| 15-5025-01-**-** | Uniforms | 5,700 | 4,758 | 942 | 83.48% |
| 15-5026-01-**-** | Small Vehicle Fuel - 37A | 5,700 | 2,181 | 3,519 | 38.27% |
| 15-5027-01-00-00 | Insurance - Property/Liability | 0 | 42,357 | (42,357) | 0.00% (D) |
| 15-5027-02-00-00 | Insurance - Property/Liability | 0 | 3,419 | (3,419) | 0.00% (D) |
| 15-5028-01-**-** | Small Tools & Supplies | 7,000 | 8,183 | (1,183) | 116.90% |
| 15-5030-01-**-** | Trash Disposal | 3,000 | 1,153 | 1,847 | 38.42% |
| 15-5031-01-00-00 | Safety Supplies | 0 | 15,636 | (15,636) | 0.00% |
| 15-5031-02-**-** | Safety Supplies | 23,800 | 11,946 | 11,854 | 50.19% |
| 15-5032-01-**-** | Equipment Rental | 1,200 | 274 | 926 | 22.81% |
| 15-5034-01-**-** | Travel Expense/Tech. Conferences | 1,526 | 1,845 | (319) | 120.92% |
| 15-5035-01-**-** | Training Expense | 7,200 | 6,843 | 357 | 95.04% |
| 15-5035-02-00-00 | Training Expense | 0 | 185 | (185) | 0.00% |
| 15-5036-02-00-00 | Laboratory Supplies | 9,500 | 10,344 | (844) | 108.89% |
| 15-5037-01-**-** | Office Equipment | 1,000 | 854 | 146 | 85.44% |
| 15-5038-02-**-** | Permits | 12,700 | 2,229 | 10,471 | 17.55% |
| 15-5039-01-**-** | Membership Dues/Fees | 0 | 764 | (764) | 0.00% |
| 15-5047-01-**-** | Access Road Expenses | 44,000 | 84,538 | (40,538) | 192.13% (E) |
| 15-5048-01-00-00 | Storm Damage | 18,000 | 0 | 18,000 | 0.00% |
| 15-5049-01-00-00 | Biosolids Disposal - 21B | 125,000 | 0 | 125,000 | 0.00% |
| 15-5050-01-**-** | Contract Services Generators - 29A | 4,000 | 3,099 | 901 | 77.48% |
| 15-5052-01-**-** | Janitorial Services | 8,000 | 9,919 | (1,919) | 123.98% |
| 15-5054-01-**-** | Diesel Truck Maint - 31B | 0 | 6,088 | (6,088) | 0.00% |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|------------------|--|-----------|-----------|------------------------|---------------|
| 15-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) 41-B | 144,500 | 128,029 | 16,471 | 88.60% |
| 15-5058-01-**-** | Maintenance Equip. & Facilities (Common) 41-C | 8,000 | 20,872 | (12,872) | 260.90% |
| 15-5060-01-**-** | Maintenance Equip. & Facilities (AWT) 41-E | 25,800 | 21,975 | 3,825 | 85.17% |
| 15-5061-01-**-** | Mileage | 0 | 895 | (895) | 0.00% |
| 15-5077-01-**-** | IT Direct | 0 | 96,056 | (96,056) | 0.00% |
| 15-5303-01-00-00 | Group Insurance Waiver | 0 | 2,400 | (2,400) | 0.00% |
| 15-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 2,133 | (2,133) | 0.00% |
| 15-5705-01-**-** | Monthly Car Allowance | 0 | 3,877 | (3,877) | 0.00% |
| 15-6500-01-**-** | IT Allocations in to PC's & Depts. | 91,021 | 107,222 | (16,201) | 117.80% |
| 15-6500-02-**-** | IT Allocations in to PC's & Depts. | 14,198 | 16,196 | (1,998) | 114.07% |
| | Total Other Expenses | 1,347,905 | 1,452,523 | (104,618) | 107.76% |
| | Total Expenses | 2,665,440 | 2,809,400 | (143,960) | 102.97% |

- (A) Increased Contract Costs
- (B) Costs not included in Original Budget
- (C) AWMA Bridge Legal Costs, this amount was offset against settlement with County
- (D) Costs not included in Original Budget
- (E) Support costs for Bridge transfer-Guard

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended | |
|---|-------------------------------------|-----------|-----------|------------------------|---------------|-----|
| 17 - Joint Regional Wastewater Reclamation and Sludge Handling | | | | | | |
| Salary and Fringe | | | | | | |
| 17-5000-01-*** | Regular Salaries-O&M | 1,460,847 | 1,378,885 | 81,962 | 94.39% | (A) |
| 17-5000-02-*** | Regular Salaries-O&M | 130,109 | 242,581 | (112,472) | 186.44% | (A) |
| 17-5001-01-*** | Overtime Salaries-O&M | 41,601 | 55,560 | (13,959) | 133.55% | |
| 17-5001-02-*** | Overtime Salaries-O&M | 0 | 2,665 | (2,665) | 0.00% | |
| 17-5401-01-*** | Fringe Benefits IN to PC's & Depts. | 1,037,201 | 1,075,530 | (38,329) | 103.70% | (B) |
| 17-5401-02-*** | Fringe Benefits IN to PC's & Depts. | 92,377 | 189,214 | (96,837) | 204.83% | (B) |
| 17-5700-01-*** | Standby Pay | 0 | 20,475 | (20,475) | 0.00% | (C) |
| | Total Payroll Costs | 2,762,135 | 2,964,909 | (202,774) | 107.34% | |
| Other Expenses | | | | | | |
| 17-5002-01-00-00 | Electricity | 850,000 | 342,816 | 507,184 | 40.33% | |
| 17-5003-01-*** | Natural Gas | 130,000 | 86,251 | 43,749 | 66.35% | |
| 17-5004-01-00-00 | Potable & Reclaimed Water | 31,900 | 36,757 | (4,857) | 115.23% | |
| 17-5004-02-00-00 | Potable & Reclaimed Water | 0 | 840 | (840) | 0.00% | |
| 17-5005-01-*** | Co-generation Power Credit | (500,000) | (489,013) | (10,987) | 97.80% | |
| 17-5006-01-*** | Chlorine/Sodium Hypochlorite | 438,300 | 271,180 | 167,120 | 61.87% | |
| 17-5007-01-00-00 | Polymer Products | 375,000 | 382,744 | (7,744) | 102.07% | |
| 17-5008-01-00-00 | Ferric Chloride | 126,400 | 117,607 | 8,793 | 93.04% | |
| 17-5009-01-00-00 | Odor Control Chemicals | 60,600 | 41,918 | 18,682 | 69.17% | |
| 17-5010-01-*** | Other Chemicals - Misc. | 3,800 | 1,831 | 1,969 | 48.18% | |
| 17-5011-02-*** | Laboratory Services | 10,000 | 14,376 | (4,376) | 143.76% | |
| 17-5012-01-*** | Grit Hauling - 21A | 45,000 | 65,461 | (20,461) | 145.47% | (D) |
| 17-5013-01-*** | Landscaping | 77,400 | 50,322 | 27,078 | 65.02% | |
| 17-5014-01-*** | Engineering - Misc. | 0 | 66,445 | (66,445) | 0.00% | |
| 17-5014-02-00-00 | Engineering - Misc. | 60,000 | 5,116 | 54,884 | 8.53% | |
| 17-5015-01-*** | Management Support Services | 0 | 31,102 | (31,102) | 0.00% | (E) |
| 17-5017-01-00-00 | Legal Fees | 0 | 2,447 | (2,447) | 0.00% | (E) |
| 17-5019-01-*** | Contract Services Misc. - 29 | 122,000 | 144,343 | (22,343) | 118.31% | |
| 17-5020-01-00-00 | Postage Expense | 0 | 4 | (4) | 0.00% | |
| 17-5021-01-*** | Small Vehicle Expense - 31A | 5,500 | 5,228 | 272 | 95.05% | |
| 17-5022-01-*** | Miscellaneous Expense | 5,200 | 4,542 | 658 | 87.35% | |
| 17-5023-01-*** | Office Supplies - All | 5,200 | 11,443 | (6,243) | 220.07% | |
| 17-5024-01-00-00 | Petroleum Products | 40,000 | 36,653 | 3,347 | 91.63% | |
| 17-5025-01-*** | Uniforms | 16,000 | 15,478 | 522 | 96.74% | |
| 17-5026-01-*** | Small Vehicle Fuel - 37A | 12,100 | 5,497 | 6,603 | 45.43% | |
| 17-5027-01-00-00 | Insurance - Property/Liability | 0 | 57,820 | (57,820) | 0.00% | (C) |
| 17-5028-01-*** | Small Tools & Supplies | 20,000 | 20,800 | (800) | 104.00% | |
| 17-5030-01-*** | Trash Disposal | 900 | 1,080 | (180) | 120.04% | |
| 17-5031-01-00-00 | Safety Supplies | 0 | 2,487 | (2,487) | 0.00% | |
| 17-5031-02-*** | Safety Supplies | 23,800 | 30,948 | (7,148) | 130.03% | |
| 17-5032-01-*** | Equipment Rental | 3,000 | 858 | 2,142 | 28.59% | |
| 17-5033-01-00-00 | Recruitment | 0 | 2,331 | (2,331) | 0.00% | |
| 17-5034-01-*** | Travel Expense/Tech. Conferences | 0 | 478 | (478) | 0.00% | (E) |
| 17-5034-02-00-00 | Travel Expense/Tech. Conferences | 1,526 | 1,175 | 351 | 77.00% | (E) |
| 17-5035-01-*** | Training Expense | 7,200 | 11,424 | (4,224) | 158.67% | (E) |
| 17-5035-02-00-00 | Training Expense | 0 | 968 | (968) | 0.00% | (E) |
| 17-5036-01-00-00 | Laboratory Supplies | 0 | 18 | (18) | 0.00% | |
| 17-5036-02-00-00 | Laboratory Supplies | 16,000 | 21,203 | (5,203) | 132.52% | |
| 17-5037-01-*** | Office Equipment | 5,200 | 4,364 | 836 | 83.93% | |
| 17-5038-01-00-00 | Permits | 0 | 913 | (913) | 0.00% | |
| 17-5038-02-*** | Permits | 40,200 | 728 | 39,472 | 1.81% | |

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | | | (Over)/Under | % |
|------------------|--|-----------|-----------|--------------|-------------|
| | | Budget | Actual | Budget | Expended |
| 17-5039-01-**-** | Membership Dues/Fees | 0 | 3,466 | (3,466) | 0.00% (E) |
| 17-5039-02-00-00 | Membership Dues/Fees | 0 | 1,072 | (1,072) | 0.00% (E) |
| 17-5049-01-00-00 | Biosolids Disposal - 21B | 950,000 | 908,443 | 41,557 | 95.63% |
| 17-5050-01-**-** | Contract Services Generators - 29A | 7,000 | 6,537 | 463 | 93.38% |
| 17-5052-01-**-** | Janitorial Services | 17,600 | 10,705 | 6,895 | 60.82% |
| 17-5053-01-**-** | Contract Serv - Digester Cleaning - 29E | 60,000 | 34,641 | 25,359 | 57.74% |
| 17-5054-01-**-** | Diesel Truck Maint - 31B | 0 | 21,441 | (21,441) | 0.00% (F) |
| 17-5055-01-**-** | Diesel Truck Fuel - 37B | 0 | 7,850 | (7,850) | 0.00% |
| 17-5056-01-**-** | Maintenance Equip. & Facilities (Solids) 41-A | 172,900 | 209,691 | (36,791) | 121.28% (F) |
| 17-5057-01-**-** | Maintenance Equip. & Facilities (Liquids) 41-B | 144,500 | 169,640 | (25,140) | 117.40% (F) |
| 17-5058-01-**-** | Maintenance Equip. & Facilities (Common) 41-C | 18,600 | 21,363 | (2,763) | 114.85% (F) |
| 17-5059-01-**-** | Maintenance Equip. & Facilities (Co-Gen) 41-D | 86,700 | 136,578 | (49,878) | 157.53% (F) |
| 17-5060-01-**-** | Maintenance Equip. & Facilities (AWT) 41-E | 41,300 | 41,738 | (438) | 101.06% |
| 17-5061-01-**-** | Mileage | 0 | 2,255 | (2,255) | 0.00% |
| 17-5061-02-**-** | Mileage | 0 | 54 | (54) | 0.00% |
| 17-5068-02-00-00 | MNWD Potable Water Supplies & Svcs. | 22,000 | 16,284 | 5,716 | 74.02% |
| 17-5077-01-**-** | IT Direct | 0 | 160,462 | (160,462) | 0.00% (G) |
| 17-5101-01-00-00 | Employee Recognition | 0 | 236 | (236) | 0.00% |
| 17-5105-01-00-00 | Co-Generation Power Credit - Offset | 0 | 489,013 | (489,013) | 0.00% |
| 17-5303-02-00-00 | Group Insurance Waiver | 0 | 1,292 | (1,292) | 0.00% |
| 17-5305-01-**-** | Medicare Tax Payments for Employees | 0 | 1,207 | (1,207) | 0.00% |
| 17-5705-01-**-** | Monthly Car Allowance | 0 | 10,017 | (10,017) | 0.00% |
| 17-5705-02-**-** | Monthly Car Allowance | 0 | 1,914 | (1,914) | 0.00% |
| 17-5802-01-00-00 | Shipping/Freight | 0 | 53 | (53) | 0.00% |
| 17-6500-01-**-** | IT Allocations in to PC's & Depts. | 166,865 | 196,566 | (29,701) | 117.80% (H) |
| 17-6500-02-**-** | IT Allocations in to PC's & Depts. | 18,721 | 21,356 | (2,635) | 114.07% (H) |
| | Total Other Expenses | 3,738,412 | 3,882,858 | (144,446) | 103.86% |
| | Total Expenses | 6,500,547 | 6,847,767 | (347,220) | 105.34% |

- (A) Labor Assignment
- (B) Fringe rate change due to retirements
- (C) Not Included in Original Budget
- (D) Failed equipment caused wetter material to be hauled offsite
- (E) Consolidated expenses identified to PC, budgeted as Admin
- (F) Maintenance projects scheduled when construction-in-progress shutdown and tie-ins
- (G) SCADA project, approved by Board
- (H) Systems Improvements, Tabware, Finance, etc.

South Orange County Wastewater Authority
Budget vs. Actual Comparison by Project Committee
For the Fiscal Year Ended June 30, 2016

| | | Budget | Actual | (Over)/Under Budget | % Expended |
|--|--|-------------------|-------------------|------------------------|---------------|
| 21 - Effluent Transmission Main | | | | | |
| Salary and Fringe | | | | | |
| 21-5000-02-03-00 | Regular Salaries-O&M | 0 | 145 | (145) | 0.00% |
| 21-5401-02-03-00 | Fringe Benefits IN to PC's & Depts. | 0 | 113 | (113) | 0.00% |
| | Total Payroll Costs | 0 | 259 | (259) | 0.00% |
| Other Expenses | | | | | |
| 21-5014-01-00-00 | Engineering - Misc. | 0 | 17 | (17) | 0.00% |
| 21-5014-02-00-00 | Engineering - Misc. | 60,000 | 84 | 59,916 | 0.14% |
| 21-5019-02-00-00 | Contract Services Misc. - 29 | 0 | 327 | (327) | 0.00% |
| 21-5027-02-00-00 | Insurance - Property/Liability | 0 | 2,011 | (2,011) | 0.00% |
| 21-5028-02-00-00 | Small Tools & Supplies | 900 | 0 | 900 | 0.00% |
| 21-5069-02-00-00 | Misc-Capital-Dilution & Metering Study | 25,000 | 0 | 25,000 | 0.00% |
| | Total Other Expenses | 85,900 | 2,438 | 83,462 | 2.84% |
| | Total Expenses | 85,900 | 2,697 | 83,203 | 3.14% |
| 24 - Aliso Creek Ocean Outfall | | | | | |
| Salary and Fringe | | | | | |
| 24-5000-01-11-00 | Regular Salaries-O&M | 0 | 917 | (917) | 0.00% |
| 24-5000-02-**-** | Regular Salaries-O&M | 117,135 | 59,369 | 57,766 | 50.68% |
| 24-5001-02-**-** | Overtime Salaries-O&M | 1,105 | 3,891 | (2,786) | 352.17% |
| 24-5401-01-11-00 | Fringe Benefits IN to PC's & Depts. | 0 | 715 | (715) | 0.00% |
| 24-5401-02-**-** | Fringe Benefits IN to PC's & Depts. | 83,165 | 46,308 | 36,857 | 55.68% |
| | Total Payroll Costs | 201,405 | 111,200 | 90,205 | 55.21% |
| Other Expenses | | | | | |
| 24-5002-02-00-00 | Electricity | 700 | 0 | 700 | 0.00% |
| 24-5014-02-00-00 | Engineering - Misc. | 20,000 | 14,857 | 5,143 | 74.29% |
| 24-5015-02-00-00 | Management Support Services | 18,000 | 0 | 18,000 | 0.00% |
| 24-5017-02-00-00 | Legal Fees | 0 | 451 | (451) | 0.00% |
| 24-5027-01-00-00 | Insurance - Property/Liability | 0 | (1,336) | 1,336 | 0.00% |
| 24-5027-02-00-00 | Insurance - Property/Liability | 0 | 2,388 | (2,388) | 0.00% |
| 24-5031-02-00-00 | Safety Program & Supplies | 0 | 5,389 | (5,389) | 0.00% |
| 24-5034-02-00-00 | Travel Expense/Tech. Conferences | 1,836 | 0 | 1,836 | 0.00% |
| 24-5036-02-00-00 | Laboratory Supplies | 17,000 | 11,006 | 5,994 | 64.74% |
| 24-5038-02-**-** | Permits | 138,000 | 138,306 | (306) | 100.22% |
| 24-5044-02-**-** | Offshore Monitoring - 20A | 20,000 | 12,313 | 7,687 | 61.57% |
| 24-5046-02-**-** | Effluent Chemistry - 20C | 28,000 | 29,576 | (1,576) | 105.63% |
| 24-5067-02-00-00 | Port Cleaning | 95,000 | 4,050 | 90,950 | 4.26% |
| 24-5069-02-00-00 | Misc-Capital-Dilution & Metering Study | 50,000 | 0 | 50,000 | 0.00% |
| 24-6500-02-**-** | IT Allocations in to PC's & Depts. | 17,088 | 19,493 | (2,405) | 114.07% |
| | Total Other Expenses | 405,624 | 236,493 | 169,131 | 58.30% |
| | Total Expenses | 607,029 | 347,693 | 259,336 | 57.28% |
| | | 16,282,894 | 16,437,673 | (154,779) | 101.0% |

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, 2016

| | | FY 2015-16 Original Budget | Actual | (Over)/Under Budget | % Expended | |
|-------------------|--------------------------------------|-------------------------------|---------|------------------------|------------|-----|
| Salary and Fringe | | | | | | |
| 01-5000-03-00-00 | Regular Salaries-O&M | 398,348 | 43,715 | 354,633 | 11.0% | (A) |
| 01-5401-03-00-00 | Fringe Benefits IN to PC's & Depts. | 282,827 | 34,097 | 248,730 | 12.1% | |
| 01-8999-03-00-00 | Labor and Fringe to Capital Projects | (483,243) | 0 | (483,243) | 0.0% | (B) |
| | Total Payroll Costs | 197,932 | 77,812 | 120,120 | 39.3% | |
| Other Expenses | | | | | | |
| 01-5014-03-00-00 | Engineering - Misc. | 0 | 3,186 | (3,186) | | |
| 01-5015-03-00-00 | Management Support Services | 0 | 16,004 | (16,004) | | (C) |
| 01-5022-03-00-00 | Miscellaneous Expense | 0 | 7,437 | (7,437) | | |
| 01-5023-03-00-00 | Office Supplies - All | 0 | 37 | (37) | | |
| 01-5034-03-00-00 | Travel Expense/Tech. Conferences | 0 | 974 | (974) | | |
| 01-5035-03-00-00 | Training Expense | 0 | 594 | (594) | | |
| 01-5039-03-00-00 | Membership Dues/Fees | 0 | 862 | (862) | | |
| 01-5061-03-00-00 | Mileage | 0 | 98 | (98) | | |
| 01-5075-03-00-00 | Recruitment | 0 | 29,815 | (29,815) | | (D) |
| 01-5309-03-00-00 | Operating Leases | 9,600 | 15,348 | (5,748) | 159.9% | |
| 01-5705-03-00-00 | Monthly Car Allowance | 0 | 1,938 | (1,938) | | |
| 01-5802-03-00-00 | Shipping/Freight | 0 | 0 | 0 | | |
| 01-6500-03-00-00 | IT Allocations in to PC's & Depts. | 39,081 | 45,721 | (6,640) | 117.0% | |
| | Total Other Expenses | 48,681 | 122,014 | (73,333) | 250.6% | |
| | Total Expenses | 246,613 | 199,826 | 46,787 | 81.0% | |

- (A) Engineer not hired; used Contractor
 (B) Labor and Fringe transfer to capital is offset against salaries and fringes
 (C) Contractor used rather than hiring an Engineer.
 (D) Engineer recruitment costs

South Orange County Wastewater Authority
Budget vs. Actual Comparison- Administration
For the Period Ended June 30, 2016

| | | FY 2015-16 Original Budget | Actual | (Over)/Under Budget | % Expended | |
|--------------------------|-------------------------------------|-------------------------------|------------------|------------------------|---------------|-----|
| Salary and Fringe | | | | | | |
| 01-5401-04-00-00 | Fringe Benefits IN to PC's & Depts. | 466,739 | 520,442 | (53,703) | 111.5% | (A) |
| 01-6000-04-00-00 | Regular Salaries-Admin & IT | 657,379 | 667,234 | (9,855) | 101.5% | (B) |
| 01-6001-04-00-00 | Overtime Salaries-Admin & IT | 18,566 | 21,816 | (3,250) | 117.5% | |
| | Total Payroll Costs | 1,142,684 | 1,209,491 | (66,807) | 105.8% | |
| Other Expenses | | | | | | |
| 01-5018-04-00-00 | Public Notices/ Public Relations | 0 | 1,350 | (1,350) | | |
| 01-5022-04-00-00 | Miscellaneous Expense | 0 | 0 | (0) | | |
| 01-5023-04-00-00 | Office Supplies - All | 0 | 2,705 | (2,705) | | |
| 01-5027-04-00-00 | Insurance - Property/Liability | 0 | 74 | (74) | | |
| 01-5037-04-00-00 | Office Equipment | 0 | 7,814 | (7,814) | | |
| 01-5207-04-00-00 | Accrued Vacation | 123,808 | 0 | 123,808 | | (C) |
| 01-5208-04-00-00 | Accrued Sick Pay | 123,808 | 0 | 123,808 | | (C) |
| 01-5304-04-00-00 | Earned Benefit | 0 | 2,211 | (2,211) | | |
| 01-6101-04-00-00 | Recruitment & Employee Relations | 0 | 22,310 | (22,310) | | |
| 01-6200-04-00-00 | Management Support Services | 292,000 | 180,895 | 111,105 | 62.0% | (D) |
| 01-6201-04-00-00 | Audit | 30,000 | 22,900 | 7,100 | 76.3% | |
| 01-6202-04-00-00 | Legal | 62,000 | 76,861 | (14,861) | 124.0% | (E) |
| 01-6204-04-00-00 | Postage | 0 | 3,512 | (3,512) | | |
| 01-6220-04-00-00 | Board of Directors - Fees | 15,000 | 10,854 | 4,146 | 72.4% | |
| 01-6234-04-00-00 | Memberships & Trainings | 112,560 | 56,335 | 56,225 | 50.0% | (F) |
| 01-6239-04-00-00 | Travel & Conference | 57,600 | 24,734 | 32,866 | 42.9% | (F) |
| 01-6240-04-00-00 | Scholarship Sponsorship | 0 | 1,000 | (1,000) | | |
| 01-6310-04-00-00 | Miscellaneous | 43,800 | 18,236 | 25,564 | 41.6% | |
| 01-6311-04-00-00 | Mileage | 0 | 328 | (328) | | |
| 01-6317-04-00-00 | Contract Services Misc | 0 | 4,225 | (4,225) | | |
| 01-6500-04-00-00 | IT Allocations in to PC's & Depts. | 68,857 | 80,556 | (11,699) | 117.0% | (G) |
| 01-6601-04-00-00 | Shipping/Freight | 0 | 1,067 | (1,067) | | |
| 01-6705-04-00-00 | Monthly Car Allowance | 0 | 11,608 | (11,608) | | (H) |
| | Total Other Expenses | 929,433 | 529,576 | 399,857 | 57.0% | |
| | Total Expenses | 2,072,117 | 1,739,067 | 333,050 | 83.9% | |

- (A) Fringe rate change due to retirements
- (B) Payrate correction and less leave time taken
- (C) Costs included in Fringe Pool
- (D) Costs identified to a Project Committee moved to O&M
- (E) Increased meetings
- (F) Costs identified to a Project Committee moved to O&M
- (G) Systems Improvements, Tabware, Finance
- (H) Not included in Budget

South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended June 30, 2016

| FY 2015-16 Original Budget | Actual | (Over)/Under Budget | % Expended |
|-------------------------------|--------|------------------------|------------|
|-------------------------------|--------|------------------------|------------|

Salary & Fringe

| | | | | | |
|------------------|-------------------------------------|---------|---------|---------|--------|
| 01-5401-05-00-00 | Fringe Benefits IN to PC's & Depts. | 49,575 | 52,159 | (2,584) | 105.2% |
| 01-6000-05-00-00 | Regular Salaries-Admin & IT | 69,825 | 66,870 | 2,955 | 95.8% |
| 01-6001-05-00-00 | Overtime Salaries-Admin & IT | 1,910 | 1,275 | 635 | 66.7% |
| | Total Salary & Fringe | 121,310 | 120,304 | 1,006 | 99.2% |

Other Expenses

| | | | | | |
|------------------|---|---------|---------|-----------|------------|
| 01-5023-05-00-00 | Office Supplies - All | 0 | 91 | (91) | |
| 01-5028-05-00-00 | Small Tools & Supplies | 0 | 458 | (458) | |
| 01-5035-05-00-00 | Training Expense | 0 | 99 | (99) | |
| 01-5037-05-00-00 | Office Equipment | 0 | 3,626 | (3,626) | |
| 01-5061-05-00-00 | Mileage | 0 | 83 | (83) | |
| 01-6102-05-00-00 | Subscriptions | 0 | 168 | (168) | |
| 01-6200-05-00-00 | Management Support Services | 0 | 5,021 | (5,021) | (A) |
| 01-6234-05-00-00 | Memberships & Trainings | 0 | 13,701 | (13,701) | |
| 01-6239-05-00-00 | Travel & Conference | 0 | 1,586 | (1,586) | |
| 01-6300-05-00-00 | Software Maintenance Agreements | 75,138 | 74,078 | 1,060 | 98.6% |
| 01-6301-05-00-00 | Hardware Maintenance Agreements | 136,429 | 150,043 | (13,614) | 110.0% |
| 01-6302-05-00-00 | Cloud Subscriptions (Internet) | 16,076 | 21,049 | (4,973) | 130.9% |
| 01-6303-05-00-00 | Telecommunications | 106,941 | 116,136 | (9,195) | 108.6% |
| 01-6304-05-00-00 | SCADA Hardware and Software Support Contracts | 29,353 | 0 | 29,353 | 0.0% |
| 01-6305-05-00-00 | IT Professional Services | 61,888 | 158,246 | (96,358) | 255.7% (B) |
| 01-6306-05-00-00 | Small Hardware Purchases (< \$5k) | 6,000 | 4,692 | 1,308 | 78.2% |
| 01-6307-05-00-00 | Small Software Purchases (<\$5k) | 12,000 | 13,469 | (1,469) | 112.2% |
| 01-6308-05-00-00 | IT Memberships | 1,200 | 0 | 1,200 | 0.0% |
| 01-6309-05-00-00 | Operating Leases | 54,000 | 42,880 | 11,120 | 79.4% |
| 01-6310-05-00-00 | Miscellaneous | 0 | 0 | 0 | |
| | Total Other Expenses | 499,025 | 605,426 | (106,401) | 121.3% |

Total Expenses before Allocation

| | | | |
|---------|---------|-----------|--------|
| 620,335 | 725,730 | (105,395) | 117.0% |
|---------|---------|-----------|--------|

IT Allocations (Out) to PC's & Depts

| | | | | | |
|------------------|--|-----------|-----------|---------|--------|
| 01-6400-05-00-00 | IT Allocations (OUT) to PC's & Depts. | (620,335) | (725,730) | 105,395 | 117.0% |
| | Total IT Allocations (Out) to PC's & Depts | (620,335) | (725,730) | 105,395 | 117.0% |

Total

| | | | |
|-----------|-----------|---------|--------|
| (620,335) | (725,730) | 105,395 | 117.0% |
|-----------|-----------|---------|--------|

(A) SOCWA Website

(B) Systems Improvement, Tabware, Asset Point consulting for Tabware, Finance System

**South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2015-16- Dollars**

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|----------------------------|------------------|---------------|---------------|---------------|----------------|------------------|------------|---------------|----------------|------------------|
| Wastewater | | | | | | | | | | |
| Liquids | 563,995 | 0 | 17,249 | 0 | 372,957 | 487,101 | 0 | 0 | 0 | 1,441,302 |
| Solids | 493,818 | 0 | 87 | 0 | 0 | 710,440 | 0 | 0 | 0 | 1,204,345 |
| Common | 163,324 | 0 | 2,063 | 0 | 177,167 | 114,790 | 0 | 0 | 0 | 457,344 |
| AWT | 0 | 0 | 0 | 0 | 103,361 | 66,167 | 0 | 0 | 0 | 169,528 |
| Var 5% | 0 | 0 | 0 | 1,244 | 0 | 0 | 0 | 917 | 0 | 2,161 |
| Timecard | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| H2O | 0 | 0 | 0 | 0 | 0 | 386 | 0 | 0 | 0 | 386 |
| Total Department 01 | 1,221,188 | 0 | 19,400 | 1,244 | 653,485 | 1,378,885 | 0 | 917 | 0 | 3,275,118 |
| Wastewater | | | | | | | | | | |
| No Wastewater | | | | | | | | | | |
| Liquids | 75,820 | 0 | 824 | 0 | 49,677 | 100,618 | 0 | 0 | 0 | 227,033 |
| Solids | 24,330 | 0 | 106 | 0 | 0 | 30,440 | 0 | 0 | 0 | 54,877 |
| Common | 25,420 | 0 | 0 | 0 | 20,896 | 30,376 | 145 | 0 | 0 | 78,556 |
| AWT | 0 | 0 | 465 | 0 | 29,379 | 50,692 | 0 | 0 | 0 | 80,537 |
| EPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,134 |
| Var 5% | 0 | 0 | 0 | 66,901 | 0 | 0 | 0 | 59,369 | 0 | 116,911 |
| Region 9 | 0 | 33,466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,926 |
| Timecard | 3,328 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105,799 | 109,126 |
| Equally | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 954 |
| H2O | 0 | 0 | 0 | 0 | 0 | 30,455 | 0 | 0 | 0 | 30,455 |
| Total Department 02 | 128,898 | 33,466 | 1,396 | 66,901 | 99,953 | 242,581 | 145 | 59,369 | 105,799 | 738,508 |
| Wastewater | | | | | | | | | | |
| No Wastewater | | | | | | | | | | |
| Liquids | 639,815 | 0 | 18,073 | 0 | 422,634 | 587,719 | 0 | 0 | 0 | 1,668,336 |
| Solids | 518,148 | 0 | 193 | 0 | 0 | 740,880 | 0 | 0 | 0 | 1,259,222 |
| Common | 188,744 | 0 | 2,063 | 0 | 198,063 | 145,166 | 145 | 0 | 0 | 535,900 |
| AWT | 0 | 0 | 465 | 0 | 132,740 | 116,859 | 0 | 0 | 0 | 250,065 |
| EPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,134 |
| Var 5% | 0 | 0 | 0 | 68,145 | 0 | 0 | 0 | 60,286 | 0 | 119,072 |
| Timecard | 3,379 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105,799 | 109,177 |
| Region 9 | 0 | 33,466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,926 |
| Equally | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 954 |
| H2O | 0 | 0 | 0 | 0 | 0 | 30,841 | 0 | 0 | 0 | 30,841 |
| Total Direct Labor | 1,350,086 | 33,466 | 20,795 | 68,145 | 753,438 | 1,621,466 | 145 | 60,286 | 105,799 | 4,013,626 |

**South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2015-16- Percentages**

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Wastewater | | | | | | | | | | |
| Liquids | 46.2% | | 88.9% | 0.0% | 57.1% | 35.3% | | | | 44.0% |
| Solids | 40.4% | | 0.4% | 0.0% | 0.0% | 51.5% | | | | 36.8% |
| Common | 13.4% | | 10.6% | 0.0% | 27.1% | 8.3% | | | | 14.0% |
| AWT | 0.0% | | 0.0% | 0.0% | 15.8% | 4.8% | | | | 5.2% |
| Var 5% | 0.0% | | 0.0% | 100.0% | 0.0% | 0.0% | | 100.0% | | 0.1% |
| Timecard | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | | | | 0.0% |
| H2O | 0.0% | | 0.0% | 0.0% | 0.0% | 0.03% | | | | 0.0% |
| Total Department 01 | 100.0% | 0.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | 100.0% | 0.0% | 100.0% |
| Wastewater | | | | | | | | | | |
| No Wastewater | | | | | | | | | | |
| Liquids | 58.8% | 0.0% | 59.0% | 0.0% | 49.7% | 41.5% | 0.0% | 0.0% | 0.0% | 30.7% |
| Solids | 18.9% | 0.0% | 7.6% | 0.0% | 0.0% | 12.5% | 0.0% | 0.0% | 0.0% | 7.4% |
| Common | 19.7% | 0.0% | 0.0% | 0.0% | 20.9% | 12.5% | 100.0% | 0.0% | 0.0% | 10.6% |
| AWT | 0.0% | 0.0% | 33.3% | 0.0% | 29.4% | 20.9% | 0.0% | 0.0% | 0.0% | 10.9% |
| EPS | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 1.1% |
| Var 5% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 15.8% |
| Region 9 | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 4.3% |
| Timecard | 2.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | 14.8% |
| Equally | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% |
| H2O | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 12.6% | 0.0% | 0.0% | 0.0% | 4.1% |
| Total Department 02 | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| | | | | | | 33.5% | | | | |
| Wastewater | | | | | | | | | | |
| No Wastewater | | | | | | | | | | |
| Liquids | 47.4% | 0.0% | 86.9% | 0.0% | 56.1% | 36.2% | 0.0% | 0.0% | 0.0% | 41.6% |
| Solids | 38.4% | 0.0% | 0.9% | 0.0% | 0.0% | 45.7% | 0.0% | 0.0% | 0.0% | 31.4% |
| Common | 14.0% | 0.0% | 9.9% | 0.0% | 26.3% | 9.0% | 100.0% | 0.0% | 0.0% | 13.4% |
| AWT | 0.0% | 0.0% | 2.2% | 0.0% | 17.6% | 7.2% | 0.0% | 0.0% | 0.0% | 6.2% |
| EPS | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.2% |
| Var 5% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 3.0% |
| Timecard | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | 2.7% |
| Region 9 | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.8% |
| Equally | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| H2O | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 1.9% | 0.0% | 0.0% | 0.0% | 0.8% |
| Total Direct Labor | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2015-16 June 30th - Overtime Dollars

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|----------------------------|---------------|----------|------------|--------------|---------------|---------------|----------|--------------|----------|----------------|
| Wastewater | | | | | | | | | | |
| Liquids | 20,865 | 0 | 460 | 0 | 7,236 | 18,586 | 0 | 0 | 0 | 47,147 |
| Solids | 14,645 | 0 | 0 | 0 | 0 | 25,377 | 0 | 0 | 0 | 40,022 |
| Common | 1,943 | 0 | 0 | 0 | 288 | 1,662 | 0 | 0 | 0 | 3,893 |
| AWT | 0 | 0 | 71 | 0 | 2,675 | 9,935 | 0 | 0 | 0 | 12,681 |
| Total Department 01 | 37,453 | 0 | 530 | 0 | 10,200 | 55,560 | 0 | 0 | 0 | 103,743 |
| Wastewater | | | | | | | | | | |
| Liquids | 1,553 | 0 | 0 | 0 | 559 | 1,084 | 0 | 0 | 0 | 3,196 |
| Solids | 34 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 73 |
| AWT | 0 | 0 | 0 | 0 | 449 | 1,456 | 0 | 0 | 0 | 1,905 |
| EPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Var 5% | 0 | 0 | 0 | 3,516 | 0 | 0 | 0 | 3,891 | 0 | 7,407 |
| H2O | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 86 |
| Total Department 02 | 1,586 | 0 | 0 | 3,516 | 1,008 | 2,665 | 0 | 3,891 | 0 | 12,667 |
| Wastewater | | | | | | | | | | |
| Liquids | 22,417 | 0 | 460 | 0 | 7,796 | 19,670 | 0 | 0 | 0 | 50,342 |
| Solids | 14,679 | 0 | 0 | 0 | 0 | 25,416 | 0 | 0 | 0 | 40,095 |
| Common | 1,943 | 0 | 0 | 0 | 288 | 1,662 | 0 | 0 | 0 | 3,893 |
| AWT | 0 | 0 | 71 | 0 | 3,124 | 11,391 | 0 | 0 | 0 | 14,586 |
| EPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Var 5% | 0 | 0 | 0 | 3,516 | 0 | 0 | 0 | 3,891 | 0 | 7,407 |
| H2O | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 86 |
| Total Direct Labor | 39,040 | 0 | 530 | 3,516 | 11,208 | 58,225 | 0 | 3,891 | 0 | 116,410 |

South Orange County Wastewater Authority
Direct Labor by Dept. and Project Committee
Fiscal Year 2015-16 June 30th - Overtime Percentages

| | PC 02 | PC 12 | PC 03 | PC 05 | PC 15 | PC 17 | PC 21 | PC 24 | PC 08 | SOCWA |
|----------------------------|---------------|-------|---------------|---------------|---------------|---------------|-------|---------------|-------|---------------|
| Wastewater | | | | | | | | | | |
| Liquids | 55.7% | | 86.7% | | 70.9% | 33.5% | | | | 45.4% |
| Solids | 39.1% | | 0.0% | | 0.0% | 45.7% | | | | 38.6% |
| Common Liquids | 5.2% | | 0.0% | | 2.8% | 3.0% | | | | 3.8% |
| AWT | 0.0% | | 13.3% | | 26.2% | 17.9% | | | | 12.2% |
| Total Department 01 | 100.0% | | 100.0% | | 100.0% | 100.0% | | | | 100.0% |
| Wastewater | | | | | | | | | | |
| Liquids | 97.9% | | | | 55.5% | 40.7% | | | | 25.2% |
| Solids | 2.1% | | | | | 1.5% | | | | 0.6% |
| AWT | | | | | 44.5% | 54.6% | | | | 15.0% |
| EPS | | | | 0.0% | | | | | | 0.0% |
| Var 5% | | | | 100.0% | | | | 100.0% | | 58.5% |
| H2O | | | | | | 3.2% | | | | 0.7% |
| Total Department 02 | 100.0% | | | 100.0% | 100.0% | 100.0% | | 100.0% | | 100.0% |
| | | | | | | 57.9% | | | | |
| Wastewater | | | | | | | | | | |
| Liquids | 57.4% | | 86.7% | | 69.6% | 33.8% | | | | 43.2% |
| Solids | 37.6% | | | | | 43.7% | | | | 34.4% |
| Common Liquids | 5.0% | | | | 2.6% | 2.9% | | | | 3.3% |
| AWT | | | 13.3% | | 27.9% | 19.6% | | | | 12.5% |
| EPS | | | | 0.0% | | | | | | 0.0% |
| Var 5% | | | | 100.0% | | | | 100.0% | | 6.4% |
| H2O | | | | | | 0.1% | | | | 0.1% |
| Total Direct Labor | 100.0% | | 100.0% | 100.0% | 100.0% | 100.0% | | 100.0% | | 100.0% |

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
J.B. LATHAM TREATMENT PLANT MONTHLY FLOW & SOLIDS SUMMARY (1)
July 1, 2015 to June 30, 2016**

PC 2

FLOW SUMMARY (MGD)

| Member Agency | Budgeted Flow | Budgeted Percent | Total Avg. Flow To Date | Total Percent To Date |
|----------------------|----------------------|-------------------------|--------------------------------|------------------------------|
| CSJC | 3.190 | 38.02% | 2.170 | 31.77% |
| MNWD | 1.400 | 16.69% | 1.400 | 20.50% |
| SCWD | 2.000 | 23.84% | 1.760 | 25.77% |
| SMWD | <u>1.800</u> | <u>21.45%</u> | <u>1.500</u> | <u>21.96%</u> |
| | <u>8.390</u> | <u>100.00%</u> | <u>6.830</u> | <u>100.00%</u> |

SOLIDS LOADING SUMMARY (Pounds)

| Member Agency | Budgeted Loadings | Budgeted Percent | Total Avg. Loadings To Date | Total Percent To Date |
|----------------------|--------------------------|-------------------------|------------------------------------|------------------------------|
| CSJC | 8,620 | 33.38% | 5,722 | 24.48% |
| MNWD | 5,207 | 20.16% | 6,155 | 26.33% |
| SCWD | 5,304 | 20.54% | 5,143 | 22.00% |
| SMWD | <u>6,695</u> | <u>25.92%</u> | <u>6,352</u> | <u>27.18%</u> |
| | <u>25,826</u> | <u>100.00%</u> | <u>23,372</u> | <u>100.00%</u> |

PC 5

| Member Agency | Outfall Flows MGD | Outfall Flows Percent |
|----------------------|--------------------------|------------------------------|
| CSC | 2.531 | 20.64 |
| CSJC | 2.466 | 20.11 |
| MNWD | 1.915 | 15.61 |
| SCWD | 1.773 | 14.46 |
| SMWD | 3.579 | 29.18 |
| Totals | 12.264 | 100.00 |

**PC 12 Recycled Water
FY 15-16**

| Member Agency | Region 9 Recycled Use FY 15/16 acft | % RW Use FY 15/16 % |
|----------------------|--|------------------------------------|
| CSJC | 459 | 3.06 |
| ETWD | 0 | 0 |
| IRWD | 593 | 3.95 |
| MNWD | 6635 | 44.25 |
| SCWD | 1057 | 7.05 |
| SMWD | 5642 | 37.62 |
| TCWD | 610 | 4.07 |
| Total | 14996 | 100 |

**PC 15
FY 15-16**

| Member Agency | Plant Flows MGD | Plant Flow Percent |
|--------------------------|--------------------------------|-----------------------------------|
| CLB | 1.760 | 59.16 |
| EBS | 0.051 | 1.71 |
| SCWD | 1.164 | 39.13 |
| MNWD | 0.000 | 0.0 |
| Total | 2.975 | 100.00 |

SOCWA Operational Report June, 2016 (cont'd)

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

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 | 0.01445 | 0.167% | 0.0000 | 0.0140 | 0.0140 | 0.18% | 0.0122 | 0.16% |
| EBS | 0.00045 | 0.005% | 0.0000 | 0.0004 | 0.0004 | 0.01% | 0.0004 | 0.00% |
| SCWD | 0.00894 | 0.103% | 0.0000 | 0.0098 | 0.0098 | 0.13% | 0.0081 | 0.10% |
| ETWD | 0.01765 | 0.204% | 0.0000 | 0.0162 | 0.0162 | 0.21% | 0.0141 | 0.18% |
| MNWD | 8.62961 | 99.522% | 7.5593 | 0.0696 | 7.6289 | 99.47% | 7.6946 | 99.55% |
| Total | 8.67110 | 100.000% | 7.5593 | 0.1099 | 7.6692 | 100.00% | 7.7293 | 100.00% |

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

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% | 5,053 | 12.95% | 154,357 | 12.70% | 148,921 | 12.30% |
| EBS | 295 | 0.59% | 157 | 0.40% | 4,300 | 0.35% | 4,372 | 0.36% |
| SCWD | 4,480 | 8.96% | 3,127 | 8.01% | 108,486 | 8.93% | 98,350 | 8.12% |
| ETWD | 10,200 | 20.41% | 6,309 | 16.17% | 178,682 | 14.70% | 171,777 | 14.18% |
| MNWD | 29,395 | 58.82% | 24,371 | 62.46% | 769,605 | 63.32% | 787,732 | 65.04% |
| Total | 49,975 | 100.00% | 39,017 | 100.00% | 1,215,431 | 100.00% | 1,211,151 | 100.00% |

| | PC 24 | |
|----------------------|-------------------------|------------------------------|
| Member Agency | Outfall Flow MGD | Variable Cost Percent |
| CLB | 1.760 | 15.44 |
| EBSD | 0.051 | 0.45 |
| ETWD | 2.922 | 25.63 |
| IRWD | 3.134 | 27.49 |
| MNWD | 2.880 | 25.27 |
| SCWD | 0.652 | 5.72 |
| Total | 11.399 | 100.00 |

**South Orange County Wastewater Authority
Large Capital Completions-FY 2015-16**

| Member Agency | Influent Manhole Reconstruction-PC 17 Liquids | Structural Modifications PC 15 Liquids | Disinfection System Upgrade PC 17 Liquids/AWT | Standby Hypochlorite Feed System PC 17 AWT | Total |
|------------------------|--|---|--|---|------------------|
| City of Laguna Beach | | (55,149) | | | (55,149) |
| Emerald Bay | | (4,342) | | | (4,342) |
| El Toro Water District | (204,912) | (42,556) | 172,479 | (33,720) | (108,710) |
| Moulton Niguel Water | | (43,425) | | | (43,425) |
| South Coast Water | | | | | |
| Total | (204,912) | (145,473) | 172,479 | (33,720) | (211,626) |

**South Orange County Wastewater Authority
Large Capital Close Outs Detail**

PC 17 Influent Line Manhole Reconstruction (Construction 2013)-Project 3703 Liquids

| Date | Transaction | Journal | Vendor Name | Amount |
|--------------------------------------|-------------|---------------------|--|------------------|
| 5/8/2013 | 2941-867 | Accounts Payable | TETRA TECH, ISG #1-50669867 | 1,120 |
| 6/17/2013 | 2959-440 | Accounts Payable | TETRA TECH, ISG #1-50679168 | 1,590 |
| 6/30/2013 | 2970-342 | Accounts Payable | TETRA TECH, ISG #1-50689658 | 6,280 |
| 6/30/2013 | 3031-13 | Adjustments Journal | Tetra Tech 50697604 | 13,230 |
| 6/30/2013 | 3072-9 | Adjustments Journal | Allocate Liquids Admin 17R 2012-13 | 3,010 |
| 9/26/2013 | 3088-1051 | Accounts Payable | TETRA TECH, ISG #1-50707861 | 6,920 |
| 10/15/2013 | 3088-3291 | Accounts Payable | TETRA TECH, ISG #1-50718986 | 1,840 |
| 11/19/2013 | 3127-800 | Accounts Payable | TETRA TECH, ISG #1-50731046 | 4,875 |
| 12/19/2013 | 3155-1101 | Accounts Payable | TETRA TECH, ISG #1-50745410 | 4,725 |
| 12/19/2013 | 3155-1109 | Accounts Payable | TETRA TECH, ISG #1-50745409 | 520 |
| 3/3/2014 | 3207-382 | Accounts Payable | TETRA TECH INC.-50761909 | 10,940 |
| 3/3/2014 | 3207-406 | Accounts Payable | TETRA TECH INC.-50752766 | 2,735 |
| 3/3/2014 | 3207-410 | Accounts Payable | TETRA TECH INC.-50761910 | 3,480 |
| 5/12/2014 | 3227-2626 | Accounts Payable | TETRA TECH INC.-50770439 | 700 |
| 5/13/2014 | 3236-81 | Accounts Payable | TETRA TECH INC.-50770438 | 2,120 |
| 2/12/2015 | 3470-1513 | Accounts Payable | S.S. MECHANICAL CORP-4402-1 | 5,000 |
| 3/4/2015 | 3498-177 | Accounts Payable | TETRA TECH INC.-50869157 | 2,180 |
| 5/13/2015 | 3513-3033 | Accounts Payable | S.S. MECHANICAL CORP-4402-4-progress billin | 47,029 |
| 6/18/2015 | 3559-14 | Adjustments Journal | Tetra Tech- 50909064 | 1,800 |
| 6/18/2015 | 3559-16 | Adjustments Journal | Tetra Tech - 50859518 | 14,340 |
| 6/30/2015 | 3586-736 | Accounts Payable | S.S. MECHANICAL CORP-4402-6-RTP HYPO | 55,100 |
| 6/30/2015 | 3585-9 | Adjustments Journal | SS Mechanical 4402-6 - Retention | 2,900 |
| 6/30/2015 | 3605-892 | Accounts Payable | S.S. MECHANICAL CORP-4402-7-RTPN | 286,050 |
| 6/30/2015 | 3691-1 | Adjustments Journal | Tetra Tech - 50929163 | 1,480 |
| Sub-total | | | | 479,964 |
| 11/19/15 | 19-0222 | Accounts Payable | S.S. Mechanical Corp-4402-10 | 306,233 |
| 11/25/15 | 19-0680 | Accounts Payable | Tetra Tech Inc.-50984166 | 3,700 |
| 11/25/15 | 19-0684 | Accounts Payable | Tetra Tech Inc.-50976145 | 6,240 |
| 11/25/15 | 19-0686 | Accounts Payable | Tetra Tech Inc.-50948079 | 640 |
| 11/25/15 | 19-0690 | Accounts Payable | Tetra Tech Inc.-50960496 | 3,340 |
| 3/9/16 | 209-387 | Accounts Payable | S.S. Mechanical Corp-4402-11-PROG BILL 4402- | 7,100 |
| 3/14/16 | 213-001 | Accounts Payable | Tetra Tech Inc.-51000459-MH REHAB RTP PO | 6,045 |
| 6/1/16 | 459-04 | General Journal | Brian Peck-070915-Parking Passes | 949 |
| 6/1/16 | 459-06 | General Journal | ARC-8156336-Door Hangers | 672 |
| 6/1/16 | 459-08 | General Journal | S.S. Mechanical Corp-4402-9 | 85,100 |
| Sub-total | | | | 420,019 |
| Sub-total | | | | 899,983 |
| Labor | | | | 2,105 |
| Fringe | | | | 1,642 |
| Total | | | | 903,729 |
| Cash Collected | | | | 698,817 |
| USE AUDIT Refund/(Amount Due) | | | | (204,912) |

| 17R Member Allocations | | | |
|---------------------------|----------------|--|------------------|
| Liquids/AWT | Ownership % | | |
| MNWD | 100.00% | | (204,912) |
| TOTAL Liquids | 100.00% | | (204,912) |

**South Orange County Wastewater Authority
Large Capital Close Outs Detail
PC 15-Structural Modifications-Project 3535 Liquids**

| Date | Transaction | Journal | Vendor Name | Amount |
|-----------|-------------|---------------------|---------------------------------------|------------------|
| 3/30/2015 | 3498-3803 | Accounts Payable | LEE & RO, INC.-42225-03/01 | 2,801 |
| 4/30/2015 | 3522-14 | Adjustments Journal | Lee & Ro Inc - 42225-03/03 | 251 |
| 6/30/2015 | 3605-881 | Accounts Payable | S.S. MECHANICAL CORP-4401-7- | 0 |
| 6/30/2015 | 3705-1 | Adjustments Journal | S.S. Mechanical - Reclass Entries 15R | 322,786 |
| | | | Sub-total | 325,838 |
| 6/30/16 | 581-10 | General Journal | | 1,686 |
| 6/30/16 | 581-12 | General Journal | | 43,790 |
| | | | Sub-total | 45,476 |
| | | | | 371,314 |
| | | | Labor | 7,302 |
| | | | Fringe | 5,695 |
| | | | Total | 384,311 |
| | | | Cash Collected | 238,838 |
| | | | USE AUDIT Refund/(Amount Due) | (145,473) |

| 15R Member Allocations | | |
|---------------------------|----------------|------------------|
| Liquids | Ownership % | |
| CLB | 37.91% | (55,149) |
| EBSD | 2.99% | (4,342) |
| MNWD | 29.25% | (42,556) |
| SCWD | 29.85% | (43,425) |
| TOTAL Liquids | 100.00% | (145,473) |

South Orange County Wastewater Authority
Large Capital Close Outs Detail
PC 17 Disinfection System Upgrade (Construction 2006)-Project 3705 Liquids/AWT

| Date | Transaction | Journal | Vendor Name | Amount |
|------------|-------------|-----------------------|--|----------------|
| 3/31/2008 | | Accounts Payable | FEDERAL EXPRESS CORP-2-589-39650 | 20 |
| 6/13/2008 | | Accounts Payable | MALCOLM PIRNIE-100082420 | 32,203 |
| 6/20/2008 | | Accounts Payable | Orange County Fire A-06/18/08 | 1,280 |
| 6/26/2008 | | Accounts Payable | MALCOLM PIRNIE-100080643 | 17,378 |
| 6/27/2008 | | Accounts Payable | MALCOLM PIRNIE-100083577 | 28,419 |
| 6/30/2008 | | Accounts Payable | MALCOLM PIRNIE-100084326 | 7,224 |
| 6/30/2008 | | Accounts Payable | NINYO & MOORE-207349002 | 5,200 |
| 8/13/2008 | | Accounts Payable | Orange County Fire A-job# 159137 | 1,675 |
| 12/20/2013 | | Accounts Payable | TETRA TECH, ISG #1-50745411 | 1,393 |
| 2/27/2014 | | Accounts Payable | Jamison Engineering -14-01-2466 | 6,988 |
| 3/3/2014 | | Accounts Payable | TETRA TECH INC.-50761913 | 2,037 |
| 3/3/2014 | | Accounts Payable | TETRA TECH INC.-50765600 | 22,031 |
| 3/3/2014 | | Accounts Payable | TETRA TECH INC.-50756729 | 22,097 |
| 3/3/2014 | | Accounts Payable | TETRA TECH INC.-50752768 | 725 |
| 3/17/2014 | | Accounts Payable | TETRA TECH INC.-50773625 | 63,514 |
| 5/12/2014 | | Accounts Payable | TETRA TECH INC.-50777281 | 563 |
| 5/12/2014 | | Accounts Payable | TETRA TECH INC.-50770415 | 254 |
| 6/10/2014 | | Accounts Payable | TETRA TECH INC.-50782141 | 51,563 |
| 6/30/2014 | | Accounts Payable | TETRA TECH INC.-50822009 | 740 |
| 10/16/2014 | 3427-6 | Adjustments Journal | ARC-7599981 | 4,430 |
| 12/29/2014 | 3438-47 | AP Manual | Tetra TEch Inc.-50848258 | 207 |
| 12/29/2014 | 3438-49 | AP Manual | Tetra TEch Inc.-50830893 | 4,260 |
| 2/12/2015 | 3470-1511 | Accounts Payable | S.S. MECHANICAL CORP-4402-1 | 26,968 |
| 3/11/2015 | 3498-1414 | Accounts Payable | S.S. MECHANICAL CORP-4402-2 | 60,575 |
| 3/11/2015 | 3498-1416 | Accounts Payable | S.S. MECHANICAL CORP-4402-2 | 60,575 |
| 4/22/2015 | 3513-506 | Accounts Payable | S.S. MECHANICAL CORP-4402-3-RTP Sodium Hypo | 61,300 |
| 4/30/2015 | 3522-20 | Adjustments Journal | Tetra Tech - 50883217 | 6,229 |
| 5/27/2015 | 3528-459 | Accounts Payable | S.S. MECHANICAL CORP-4402-5- | 62,250 |
| 6/30/2015 | 3558-204 | Accounts Payable | TETRA TECH INC.-50922972-RTP HYPO CONST | 3,770 |
| 6/30/2015 | 3558-210 | Accounts Payable | TETRA TECH INC.-50907365-RTP HYPO CONST | 7,301 |
| 6/30/2015 | 3586-140 | Accounts Payable | TETRA TECH INC.-50891595-RTP-SODIUM HYPO | 9,205 |
| 6/30/2015 | 3586-143 | Accounts Payable | TETRA TECH INC.-50913464-RTP-SODIUM HYPO | 1,442 |
| 6/30/2015 | 3586-739 | Accounts Payable | S.S. MECHANICAL CORP-4402-6-RTP HYPO | 61,204 |
| 6/30/2015 | 3585-8 | Adjustments Journal | SS Mechanical 4402-6 - Retention | 3,221 |
| 6/30/2015 | 3587-15 | Accounts Payable | TETRA TECH INC.-50936144-RTP HYPO CONST | 3,156 |
| 6/30/2015 | 3605-891 | Accounts Payable | S.S. MECHANICAL CORP-4402-7-RTPN | 169,272 |
| 6/30/2015 | 3626-984 | Accounts Payable | TETRA TECH INC.-50875300- | 9,447 |
| | | | Sub-total | 820,113 |
| 12/31/15 | 101-34 | Adjustments Journal | Labor Identifier | (1,159) |
| 11/19/15 | 19-0224 | Accounts Payable | S.S. Mechanical Corp-4402-10 | 47,631 |
| 11/25/15 | 19-0688 | Accounts Payable | Tetra Tech Inc.-50982471 | 3,594 |
| 1/13/16 | 190-044 | Payroll Journal | <Reversal>Regular Earnings- | (54) |
| 3/9/16 | 209-385 | Accounts Payable | S.S. Mechanical Corp-4402-11-PROG BILL 4402- | 29,652 |
| 3/21/16 | 231-034 | Accounts Payable | Tetra Tech Inc.-51011415-PO 5652 3705-00 | 105 |
| 3/21/16 | 231-043 | Accounts Payable | Tetra Tech Inc.-50993618-PO 5652 3705-00 | 316 |
| 3/22/16 | 231-213 | Accounts Payable | Tetra Tech Inc.-50969699-3705-000 | 2,934 |
| 11/30/15 | 24-16 | Adjustments Journal | Engineering July through October Payroll | 2,078 |
| 3/24/16 | 248-273 | Payroll Journal | Regular Earnings | 110 |
| 5/3/16 | 271-171 | Accounts Payable | S.S. Mechanical Corp-4402-12-PO 5748 3705-00 | 9,256 |
| 4/1/16 | 272-47 | General Journal | Regular Earnings | (110) |
| 4/1/16 | 279-03 | General Journal | S.S. Mechanical - 4402-4 - Retention | 4,075 |
| 11/30/15 | 32-16 | Adjustments Journal | <Reversal>Engineering July through October Payroll | (2,078) |
| 6/20/16 | 324-095 | Accounts Payable | Leighton Consulting,-19049-PO 5326 | 563 |
| 6/20/16 | 324-097 | Accounts Payable | Leighton Consulting,-18748-PO 5326 | 1,016 |
| 11/30/15 | 35-17 | Adjustments Journal | Reclass Engineering July through October Payroll | 809 |
| 9/22/15 | 4-3096 | Accounts Payable | S.S. MECHANICAL CORP-4402-8- | 35,382 |
| 11/30/15 | 41-17 | Allocation Management | CIP - Application of Fringe | 695 |

South Orange County Wastewater Authority
Large Capital Close Outs Detail
PC 17 Disinfection System Upgrade (Construction 2006)-Project 3705 Liquids/AWT

| Date | Transaction | Journal | Vendor Name | Amount |
|--------------------------------------|-------------|-----------------------|---------------------------------------|----------------|
| 10/13/15 | 5-3092 | Accounts Payable | TETRA TECH INC.-50956220- | 1,782 |
| 10/29/15 | 5-4685 | Accounts Payable | TETRA TECH INC.-50946009- | 3,092 |
| 10/29/15 | 5-4687 | Accounts Payable | TETRA TECH INC.-50946009B- | 1,582 |
| 10/29/15 | 5-4831 | Accounts Payable | S.S. MECHANICAL CORP-4402-9- | 24,275 |
| 11/19/15 | 6-329 | Payroll Journal | 11/19/2015 Payroll | 112 |
| 11/19/15 | 6-357 | Payroll Journal | 11/19/2015 Payroll | 59 |
| 12/8/15 | 7-707 | Payroll Journal | Regular Earnings-"PECK,BRIAN" | 47 |
| 12/8/15 | 7-737 | Payroll Journal | Regular Earnings-"YOUNG,RONI" | 19 |
| 12/31/15 | 75-053 | Payroll Journal | Regular Earnings- | 66 |
| 12/31/15 | 79-053 | Payroll Journal | Regular Earnings- | 47 |
| 1/13/16 | 87-044 | Payroll Journal | Regular Earnings- | 54 |
| 12/31/15 | 96-17 | Allocation Management | CIP - Application of Fringe | 127 |
| 12/31/15 | 97-17 | Allocation Management | <Reversal>CIP - Application of Fringe | (127) |
| 11/30/15 | 99-17 | Allocation Management | <Reversal>CIP - Application of Fringe | (695) |
| Sub-total | | | | 165,254 |
| | | | | 985,368 |
| Labor | | | | 3,026 |
| Fringe | | | | 2,361 |
| Total | | | | 990,755 |
| Cash Collected | | | | 1,163,234 |
| USE AUDIT Refund/(Amount Due) | | | | 172,479 |

| 17R Member Allocations | | |
|---------------------------|-------------|----------------|
| Liquids/AWT | Ownership % | |
| MNWD | 100.00% | 172,479 |
| TOTAL Liquids | 100.00% | 172,479 |

South Orange County Wastewater Authority
Large Capital Close Outs Detail
Standby Hypochlorite Feed System (AWT)-Project 3732 Liquids/AWT

| Date | Transaction | Journal | Vendor Name | Amount |
|------------|-------------|-----------------------|--|----------------|
| 10/30/2008 | | Accounts Payable | DDB Engineering-in200860 | 3,013 |
| 12/15/2008 | | Accounts Payable | DDB Engineering-IN200865 | 5,455 |
| 12/17/2013 | | Accounts Payable | FEDERAL EXPRESS CORP-2-495-22339 | 22 |
| 6/24/2014 | | Accounts Payable | TETRA TECH INC.-50802784 | 4,902 |
| 6/30/2014 | | Accounts Payable | TETRA TECH INC.-50792851 | 26,335 |
| 2/3/2015 | 3470-807 | Accounts Payable | BOWIE, ARNESON, WILE-33373 | 152 |
| 2/12/2015 | 3470-1509 | Accounts Payable | S.S. MECHANICAL CORP-4402-1 | 26,968 |
| 5/13/2015 | 3513-3031 | Accounts Payable | S.S. MECHANICAL CORP-4402-4-progress billin | 117,442 |
| 5/27/2015 | 3528-453 | Accounts Payable | S.S. MECHANICAL CORP-4402-5- | 62,250 |
| 6/30/2015 | 3586-138 | Accounts Payable | TETRA TECH INC.-50922974-RTP-SODIUM HYPO | 1,064 |
| 6/30/2015 | 3586-738 | Accounts Payable | S.S. MECHANICAL CORP-4402-6-RTP HYPO | 61,204 |
| 6/30/2015 | 3585-7 | Adjustments Journal | SS Mechanical 4402-6 - Retention | 3,221 |
| 6/30/2015 | 3605-889 | Accounts Payable | S.S. MECHANICAL CORP-4402-7-RTPN | 169,272 |
| | | | Sub-total | 481,299 |
| 12/31/15 | 101-42 | Adjustments Journal | Labor Identifier | (1,045) |
| 11/19/15 | 19-0223 | Accounts Payable | S.S. Mechanical Corp-4402-10 | 47,631 |
| 1/13/16 | 190-056 | Payroll Journal | <Reversal>Regular Earnings- | (48) |
| 3/9/16 | 209-383 | Accounts Payable | S.S. Mechanical Corp-4402-11-PROG BILL 4402- | 29,652 |
| 5/3/16 | 271-169 | Accounts Payable | S.S. Mechanical Corp-4402-12-PO 5748 3732-00 | 9,256 |
| 4/1/16 | 279-01 | General Journal | S.S. Mechanical - 4402-4 - Retention | 4,075 |
| 11/30/15 | 35-29 | Adjustments Journal | Reclass Engineering July through October Payroll | 729 |
| 9/22/15 | 4-3094 | Accounts Payable | S.S. MECHANICAL CORP-4402-8- | 35,382 |
| 11/30/15 | 41-21 | Allocation Management | CIP - Application of Fringe | 627 |
| 10/29/15 | 5-4827 | Accounts Payable | S.S. MECHANICAL CORP-4402-9- | 24,275 |
| 11/19/15 | 6-341 | Payroll Journal | 11/19/2015 Payroll | 101 |
| 11/19/15 | 6-369 | Payroll Journal | 11/19/2015 Payroll | 53 |
| 12/8/15 | 7-719 | Payroll Journal | Regular Earnings-"PECK,BRIAN" | 42 |
| 12/8/15 | 7-749 | Payroll Journal | Regular Earnings-"YOUNG,RONI" | 17 |
| 12/31/15 | 75-065 | Payroll Journal | Regular Earnings- | 60 |
| 12/31/15 | 79-065 | Payroll Journal | Regular Earnings- | 42 |
| 1/13/16 | 87-056 | Payroll Journal | Regular Earnings- | 48 |
| 12/31/15 | 96-21 | Allocation Management | CIP - Application of Fringe | 115 |
| 12/31/15 | 97-21 | Allocation Management | <Reversal>CIP - Application of Fringe | (115) |
| 11/30/15 | 99-21 | Allocation Management | <Reversal>CIP - Application of Fringe | (627) |
| | | | Sub-total | 150,271 |
| | | | Total | |
| | | | Labor | 1,209 |
| | | | Fringe | 943 |
| | | | Total | 633,720 |

Cash Collected 600,000

USE AUDIT Refund/(Amount Due) (33,720)

| 17R Member Allocations | | |
|---------------------------|-------------|-----------------|
| Liquids/AWT | Ownership % | |
| MNWD | 100.00% | (33,720) |
| TOTAL Liquids | 100.00% | (33,720) |

Agenda Item

Budgeted: Yes

Budget amount: \$102,670.00

Line Item: PC 5 & 24

Legal Counsel Review: Yes

Meeting Date: 12/8/2016

TO: SOCWA Board Members
FROM: Betty Burnett
STAFF CONTACT: Brennon Flahive
SUBJECT: Award of Contract for Outfall Dilution Study

Summary

The San Juan Creek Ocean Outfall (SJCOO) was designed for an effluent flow of 86 million gallons per day (MGD); due to water recycling and conservation the average daily flows through SJCOO was 12 MGD in calendar year 2015. The Aliso Creek Ocean Outfall (ACOO) was designed for an effluent flow of 50 MGD and the average daily flow through the outfall was 10.8 MGD in calendar year 2015. Given the low flow conditions in the outfalls and the expectation that flows will continue the fall in the future, there is a need to determine if the outfalls are functioning properly and how the outfalls will function with further reduced flows.

Additionally, the SJCOO offshore fecal indicator bacteria data does not meet San Diego Region receiving water bathing beach standards 100% of the time. The SJCOO has also had compliance difficulties with low level Chronic Toxicity results triggering extensive and costly Toxicity Reduction Evaluation Studies. As a consequence, staff would like to determine if the SJCOO diffuser port system can be modified to increase the outfall dilution factor to better than 200:1, and as a result, increase the water quality dilution credit used to set effluent limits. The higher dilution factor and improved outfall dilution characteristics would lessen the chances of chronic toxicity exceedances, and increased the probability of bathing beach indicator bacteria compliance in the receiving waters. The project scope of work was designed to answer the basic questions about outfall functionally under lower flow conditions for both outfalls and address the water quality related questions on the SJCOO. The scope of work is attached hereto.

Discussion/Analysis

Request for proposals (RFPs) were issued on August 29, 2016 for the purpose of providing SOCWA with an overall outfall assessment, dilution modeling analysis, and technical memorandum for the Aliso Creek and San Juan Creek Ocean Outfalls (ACOO & SJCOO). Representatives from four engineering consulting firms were invited to participate in the RFP process:

- Flow Science
- Black & Veatch
- Michael Baker International
- Brown & Caldwell

Proposals were received from Flow Science & Michael Baker International (MBI). SOCWA staff reviewed the proposals and provided summaries to the Engineering Committee Meeting on October 13, 2016. The Engineering Committee reviewed the proposals and agreed with staff's

recommendation that Michael Baker International had the best cost and project approach. However, the proposals were higher than funds approved in the fiscal year 16-17 budget for the project. As such, the committee recommended that SOCWA staff discuss the scope and possibly reducing the number of project hours for the ACOO study. Staff discussed the issues raised by the Engineering Committee with MBI. MBI submitted a best and final offer of \$31,225 for the ACOO dilution analysis. The tables below provide the breakdown for underfunded costs for the whole of the project, including the ACOO and the SJCOO studies.

| Project Committee | Budgeted FY 16/17 | Flow Science | Michael Baker | Over Budget Amounts |
|---------------------|-------------------|--------------|---------------|---------------------|
| PC 5 SJCOO | \$50,000 | \$69,742 | \$71,445 | \$21,445 |
| PC 24 ACOO | \$15,000 | \$38,273 | \$31,225 | \$16,225 |
| Total Amount | | | | \$ 37,670 |

San Juan Creek Outfall Dilution Modeling Analysis – Over Budget Cost Share Per Agency

| Under Funded | Member Agency | Investment Percentage | Additional Costs |
|--------------|---------------|-----------------------|------------------|
| \$ 21,445 | CSC | 16.62 | \$ 3,564 |
| | CSJC | 11.08 | \$ 2,376 |
| | MNWD | 15.51 | \$ 3,326 |
| | SMWD | 44.32 | \$ 9,504 |
| | SCWD | 12.47 | \$ 2,674 |

\$ 21,445.00

Aliso Creek Outfall Dilution Modeling Analysis – Over Budget Cost Share Per Agency

| Under Funded | Member Agency | Investment Percentage | Additional Costs |
|--------------|---------------|-----------------------|------------------|
| \$ 16,225 | CLB | 11.000 | \$ 1,785 |
| | EBSB | 0.780 | \$ 127 |
| | ETWD | 16.302 | \$ 2,645 |
| | IRWD | 15.760 | \$ 2,557 |
| | MNWD | 43.848 | \$ 7,114 |
| | SCWD | 12.310 | \$ 1,997 |

\$ 16,225.00

Committee Review

The requested information provided above was distributed to the Engineering Committee members; the committee is in agreement with the recommendation to proceed with the award of contract.

Fiscal impact

The total cost of the project is \$102,670, with \$71,445 for the SJCOO (PC 5) analysis and \$31,225 for the ACOO (PC24) analysis.

Recommendation

Staff recommends the award of contract to Michael Baker International in the amount of \$102,670 for outfall dilution analysis.

The amounts over budget shall be documented and distributed in the 2016-17 Use Audit.

attachment(s)

Scope of Services

SCOPE OF SERVICES – OUTFALL DILUTION STUDIES

The following Tasks are to be performed on the San Juan Creek Ocean Outfall:

1. Meetings. FIRM shall orchestrate and attend kick-off meeting at the SOCWA offices in Dana Point.
2. Documentation Review. FIRM shall review outfall drawings, previous reports related to outfall assessment, and operating records for the San Juan Creek Ocean Outfall system. FIRM shall review and assess the latest outfall External Inspection Reports, and port velocity data to determine overall outfall functionality which can be found in Attachment B.
3. Review the 2012 EPA initial dilution study and more recent outfall water quality data to determine which critical month data to apply to this analysis.
4. Outfall Functionality. The FIRM shall assess the functionality of the Ocean Outfall, and the initial dilution capacity at the various flow rates.
5. The FIRM shall evaluate diffuser performance at the following flow volumes: 5, 10, and 35 million gallons per day using the U.S. Environmental Protection Agency modeling application, Visual Plumes (UM3) or other appropriate modelling application.
6. For the San Juan Creek Ocean Outfall the FIRM shall determine if the outfall diffuser port system can be feasibly modified to increase the outfall initial dilution credit. The FIRM shall present recommended outfall port modifications.
7. For the San Juan Creek Ocean Outfall the FIRM shall determine whether Federal and State anti-backsliding and anti-degradation provisions will apply to future modifications of the outfall ports designed to increase dilution capacity.
8. For the San Juan Creek Ocean Outfall the FIRM shall determine if the outfall offshore monitoring site alignment established in the SJCOO NPDES permit should be changed to provide a better water quality profile for the ninety degree outfall elbow configuration.
9. Technical Memorandum. FIRM shall summarize Tasks 3 through 8 in a technical memorandum for the outfall. Three draft copies of the memorandum shall be submitted to SOCWA for review and comment. The FIRM shall respond to all review comments. Three printed copies and a pdf version of the finalized memorandum shall be submitted to SOCWA.

The following Tasks are to be performed on the Aliso Creek Ocean Outfall:

1. Meetings. FIRM shall orchestrate and attend kick-off meeting at the SOCWA offices in Dana Point.
2. Documentation Review. FIRM shall review outfall drawings, previous reports related to outfall assessment, and operating records for the Aliso Creek Ocean Outfall system. FIRM shall review and assess the latest outfall External Inspection Reports, and port velocity data to determine overall outfall functionality which can be found in Attachment B.
3. Review the 2012 EPA initial dilution study and more recent receiving water CTD data to determine which critical month data to apply to the analysis.

- 4 Outfall Functionality. The FIRM shall assess the functionality of the Ocean Outfall, and the initial dilution capacity at the various flow rates.
- 5 The FIRM shall evaluate diffuser performance at the following potential flow volumes: 5, 10, and 35 million gallons per day using the U.S. Environmental Protection Agency modeling application, Visual Plumes (UM3) or other appropriate modelling application. Calculate the average port velocities and initial dilution credits for each flow rate.
- 6 Determine when, or if, outfall port covers should be installed on the ACOO port diffusers.
- 7 Technical Memorandum. FIRM shall summarize Tasks 3 through 6 in a technical memorandum for the outfall. Three copies of the draft memorandum shall be submitted to SOCWA for review and comment. The FIRM shall respond to all review comments. Three printed copies and a pdf version of the finalized memorandum shall be submitted to SOCWA.

Agenda Item

Legal Counsel Review: No

Meeting Date: December 8, 2016

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Dina Ash, Human Resources Administrator
SUBJECT: Resolution No. 2016-07 - Commendation for Hillary Kelly

Summary

Hillary Kelly has been employed by SOCWA for 33 years. She will retired on December 28, 2016. Resolution No. 2016-07 commends Ms. Kelly for her services to SOCWA.

Fiscal impact

None.

Recommendation

Staff recommends the Board approve Resolution No. 2016-07 and authorize Chairman Ferons to sign the Commendation on the behalf of the Board of Directors of the South Orange County Wastewater Authority.

RESOLUTION OF COMMENDATION
Resolution No. 2016-07
ADOPTED BY THE BOARD OF DIRECTORS
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
DECEMBER 8, 2016

COMMENDATION TO HILLARY KELLY FOR PROVIDING DEDICATED SERVICE TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF SOUTHERN ORANGE COUNTY FOR THE PERIOD OF JUNE 1983 TO DECEMBER 2016

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

WHEREAS: Hillary Kelly began her thirty-three year tenure with South Coast Water District in operations. In 1999, she went to the Aliso Water Management Agency, SOCWA's predecessor agency, with the transfer of the Coastal Treatment Plant. She was promoted to Chief Operator in 2003. Her expertise along with her historical knowledge of the SOCWA facilities will be missed.

WHEREAS: During her career Hillary Kelly was a role model for women in the water and wastewater industries. She was also a teacher of numerous future operators during her teaching tenure at local teaching institutions and seminars - shaping the wastewater industry through her teachings.

WHEREAS: Hillary Kelly was a key staff member of the Coastal Treatment Plant. Her promotion to the Chief Operator role is a testament to her operational knowledge and skills.

WHEREAS: The work performed by Hillary Kelly helped protect the public health by making sure the treatment plant ran in compliance and recycled water was available as needed.

WHEREAS: Hillary Kelly is well regarded by the Superintendent and her peers for dedicating herself to quality performance and assisting her fellow employees as a leader, mentor and friend.

THEREFORE BE IT RESOLVED: That the Board of Directors of the South Orange County Wastewater Authority and on the behalf of the member agencies of SOCWA does hereby commend Hillary Kelly for her dedicated service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 8th day December, 2016.

(Seal)

Daniel R. Feron, Chairman

Betty Burnett,
General Manager and Board Secretary

Agenda Item

Legal Counsel Review: No

Meeting Date: December 8, 2016

TO: Board of Directors
FROM: Betty Burnett, General Manager
STAFF CONTACT: Dina Ash, Human Resources Administrator
SUBJECT: Resolution No. 2016-08 - Commendation for Brian Wetmore

Summary

Brian Wetmore has been employed by SOCWA for 30 years. He retired on December 2, 2016. Resolution No. 2016-08 commends Mr. Wetmore for his services to SOCWA.

Fiscal impact

None.

Recommendation

Staff recommends the Board approve Resolution No. 2016-08 and authorize Chairman Ferons to sign the Commendation on the behalf of the Board of Directors of the South Orange County Wastewater Authority.

RESOLUTION OF COMMENDATION
Resolution No. 2016-08
ADOPTED BY THE BOARD OF DIRECTORS
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
DECEMBER 8, 2016

COMMENDATION TO BRIAN WETMORE FOR PROVIDING DEDICATED SERVICE TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF SOUTHERN ORANGE COUNTY FOR THE PERIOD OF APRIL 1986 TO DECEMBER 2016

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

WHEREAS: Brian Wetmore began his thirty-year tenure with Moulton Niguel Water District (MNWD) as a Plant Maintenance Worker for the treatment plants. In 1992, he went to the Aliso Water Management Agency/South East Regional Reclamation Authority, SOCWA's predecessor agency, with the transfer of the treatment plants. He was promoted to a Plant Maintenance Worker II with MNWD and on to a Plant Maintenance Worker III in 1998. His expertise along with his historical knowledge of the SOCWA facilities will be missed.

WHEREAS: During his career with SOCWA Brian Wetmore served to diligently maintain all the SOCWA treatment plants.

WHEREAS: The work performed by Brian Wetmore helped protect the public health by making sure our equipment and infrastructure was well maintained.

WHEREAS: Brian Wetmore is well regarded by the Superintendent and his peers for dedicating himself to quality performance and assisting his fellow employees as a senior mechanic, mentor, and friend.

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

PASSED AND ADOPTED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California on the 8th day December, 2016.

(Seal)

Daniel R. Ferons, Chairman

Betty Burnett,
General Manager and Board Secretary