

**NOTICE OF SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
FINANCE COMMITTEE**

**May 21, 2019  
10:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was called by the Chairman to be held on **May 21, 2019** at **10:30 a.m.** at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

*THE SOCWA 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 SECRETARY'S OFFICE AT (949) 234-5421 AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON WRITTEN REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED MEETING.*

*AGENDA EXHIBITS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY FINANCE COMMITTEE IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE FINANCE COMMITTEE 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 FINANCE COMMITTEE LESS THAN TWENTY-FOUR (24) 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 FINANCE COMMITTEE MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE FINANCE COMMITTEE MEETING ROOM.*

**AGENDA**

- 1. Call Meeting to Order**
- 2. Pledge of Allegiance**
- 3. Public Comments**

*THOSE WISHING TO ADDRESS THE FINANCE COMMITTEE ON ANY ITEM LISTED ON THE AGENDA SHOULD SUBMIT A "REQUEST TO BE HEARD" FORM TO THE CLERK OF THE BOARD BEFORE THE PRESIDING OFFICER ANNOUNCES THAT AGENDA ITEM. YOUR NAME WILL BE CALLED TO SPEAK AT THAT TIME.*

**4. Approval of Minutes**

- Finance Committee Meeting Minutes of March 26, 2019
- Finance Committee Meeting Minutes of April 23, 2019

**Recommendation:** Finance Committee approval of minutes as submitted

**5. Financial Reports for the month of April 2019**

The reports included are as follows:

- Summary of Disbursements for April 2019 (Exhibit A)
- Schedule of Funds Available for Reinvestment (Exhibit B)
  - Local Agency Investment Fund (LAIF)
- Schedule of Cash and Investments (Exhibit C)
- Capital Project Summaries (Exhibit D)
  - Capital Projects – Graph (Exhibit -D1)
- Budget vs. Actual Expenses:
  - O&M Environmental Safety Costs Summary (Exhibit E-1)
  - O&M Environmental Safety Costs by PC (Exhibit E-1.2)
  - Residual Engineering, After Transfer to Capital (Exhibit E-2)
  - Administration (Exhibit E-3)
  - Information Technology (Exhibit E-4)

**Recommendation:**

Staff recommends that the Finance Committee recommend to the Board of Directors to ratify the April 2019 disbursements for the period from April 1, 2019, through April 30, 2019, totaling \$2,076,414, and to receive and file the April 2019 Financial Reports as submitted.

**6. Review Draft Budget FY 2019-20**

- Staff Overview of Comments Received and Current Draft
- Committee Comments and Questions

**Recommendation:**

Information and discussion. Finance Committee to provide comments for Board consideration at the May 23, 2019 Board Budget Workshop.

**7. Agenda Preparation Software / Audio Visual Hardware**

**Recommendation:**

Staff recommends the Finance Committee recommend to the Board of Directors to authorize staff to acquire a limited software/hardware system to increase quality and improve efficiency in agenda/meeting/documentation functions at SOCWA.

**8. Investment Policy for Public Funds Annual Review**

Staff recommends the Finance Committee recommend the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

**9. Large Capital Cash Roll Forward as of March 31, 2019 (Q3) and Large Capital Refund of Inactive Projects Cash as of March 31, 2019 (Q3)**

- Cash Roll Forward Reconciliation to Recorded Cash and Narrative Notes
- Large Capital Cash by PC, Project and Agency
- Non-Capital Cash by PC and Agency (Engineering Expense Items)
- Small Capital Cash by PC, Project and Agency

**Recommendation:**

- Finance Committee to receive and file the Q3, March 31, 2019 Report.
- Receive a recommendation from the Engineering Committee as to return of Capital Funding from Closed Projects.
- Additional Committee comments and recommendations to the Board.

**10. Adjournment**

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Finance Committee at least 24 hours prior to the scheduled time of the Special Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 24 hours prior to the time of the above-referenced Finance Committee at the usual agenda posting location of the South Orange County Wastewater Authority and at [www.socwa.com](http://www.socwa.com).

Dated this 16<sup>th</sup> day of May 2019.



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

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

**March 26, 2019**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on March 26, 2019, at 10:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present:

DENNIS ERDMAN	South Coast Water District
ROBB GRANTHAM	Santa Margarita Water District
RAY MILLER	City of San Juan Capistrano
KATHRYN FRESHLEY	El Toro Water District
MATT COLLINGS	Moulton Niguel Water District

**Absent:**

DAVID SHISSLER	City of Laguna Beach
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**Staff Present:**

BETTY BURNETT	General Manager
MARY CAREY	Finance Controller
JIM BURROR	Director of Operations
JASON MANNING	Senior Engineer
KONSTANTIN SHILOV	Senior Accountant
NADYN KIM	Accountant
DINA ASH	HR Administrator
JEANETT COTINOLA	Contracts Administration
DANITA HIRSH	Administrative Assistant

**Also Present:**

GREG MOSER	Procopio
MADDIE ATKINS	Carollo Engineers
DENNIS CAFFERTY	El Toro Water District
NEELY SHAHBAKTI	El Toro Water District
MATT PEREA	South Coast Water District
GAVIN CURRAN	City of Laguna Beach
DAVE REBENDSOLF	City of San Clemente
TREVOR AGRELIUS	Moulton Niguel Water District
PAMELA ARENDS-KING	South Coast Water District

**1. Call Meeting to Order**

Chairperson Erdman called the meeting to order at 10:30 a.m.

**2. Pledge of Allegiance – Director Kathryn Freshley**

**3. Public Comments – None**

#### **4. Approval of Minutes**

- a. Finance Committee Meeting Minutes of November 16, 2018
- b. Finance Committee Meeting Minutes of November 30, 2018
- c. Finance Committee Meeting Minutes of January 28, 2018
- d. Finance Committee Meeting Minutes of February 19, 2019

#### **ACTION TAKEN**

Motion was made by Director Miller and seconded by Director Grantham to approve Finance Committee Meeting Minutes for November 16, 2018, November 30, 2018, and January 28, 2019, and February 19, 2019, as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
	Director Erdman           Aye
	Director Shissler       Absent
	Director Miller         Aye
	Director Grantham     Aye
	Director Collings     Aye
	Director Freshley     Aye

#### **5. Financial Reports for the Month of February 2019**

#### **ACTION TAKEN**

Motion was made by Director Grantham and seconded by Director Miller to recommend to the Board of Directors to ratify the February 2019 disbursements for the period from February 1, 2019 through February 29, 2019, totaling \$1,975,071, and to receive and file the February 2019 Financial Reports as submitted.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
	Director Erdman           Aye
	Director Shissler       Absent
	Director Miller         Aye
	Director Grantham     Aye
	Director Collings     Aye
	Director Freshley     Aye

#### **6. FY 2019/2020 O&M Budget**

Ms. Burnett gave a presentation on the 1<sup>st</sup> Budget Development Kickoff for FY 2019/2020. Ms. Burnett reviewed with the Committee the proposed Budget schedule that would allow for comments and questions before the May 23, Board Budget Workshop. An open discussion ensued.

Ms. Carey discussed in detail, the cost savings of making an annual lump sum payment for the Unfunded Pension Liability vs. monthly payments.

Regarding supporting a lump sum payment option, Chairperson Erdman polled the Committee members who were present on whether they supported a lump sum payment on the Unfunded Liability Pension as presented by staff.

There was a concurrence amongst the members to support a lump sum payment to PERS/OPEB for the Unfunded Liability Pension Fund.

Ms. Carey stated, after the actuarial analysis was completed, SOCWA's goal was to focus on funding the Tier-1 Classic at 80%, which is currently 73.5% funded. An open discussion ensued.

Chairperson Erdman polled the Committee members on what percentage goal each of their perspective agencies currently have if any.

Each member responded as follows:

- ETWD = Not in PERs; have 401k Plan
- SMWD = Have had discussions w/SMWD Board and an 80% goal is reasonable
- SCWD = Currently beyond 80% funded; 80% is a very good goal to maintain
- CSJC = No comment
- MNWD = Board has not established a funding policy associated with the unfunded liabilities.

Chairperson Erdman convened the meeting for a recess at 11:45 a.m.  
The meeting reconvened at 11:51 a.m.

Mr. Burror went over SOCWA's staffing trends and succession planning. An open discussion ensued.

Information item; No action was taken.

## **7. Carollo Cost Distribution Report**

Mr. Burror introduced Ms. Maddie Akin, a representative for Carollo Engineers. Mr. Burror updated the Committee on changes made to the report on the permitting costs of the outfalls as a fixed vs. variable cost. An open discussion ensued.

### **ACTION TAKEN**

Motion was made by Director Grantham and seconded by Director Miller to recommend to the Board of Directors to receive and file the March 20, 2019 Operational Cost Distribution Analysis prepared by Carollo Engineers. Also, Staff will proceed to include the report recommendations in the FY2019-20 Draft Budget preparations.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 1
Director Erdman	Aye
Director Shissler	Absent
Director Miller	Aye
Director Grantham	Aye
Director Collings	Aye
Director Freshley	Aye

## **8. Policy for Funding of Capital Work**

There was a concurrence amongst the members to postpone agenda item until the Budget meetings.

## **9. Adjournment**

There being no further business, Chairperson Erdman adjourned the meeting at 1:00 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of March 26, 2019 and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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

**MINUTES OF SPECIAL MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
Finance Committee  
April 23, 2019**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on April 23, 2019, at 10:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present:

DENNIS ERDMAN	South Coast Water District
RAY MILLER	City of San Juan Capistrano
MATT COLLINGS	Moulton Niguel Water District
KATHRYN FRESHLEY	El Toro Water District
ROBB GRANTHAM	Santa Margarita Water District

Absent:

TONI ISEMAN	City of Laguna Beach
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Staff Present:

MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
NAYDN KIM	Accountant
ANNA SUTHERLAND	Accounts Payable
BRIAN PECK	Director of Engineering
JIM BURROR	Director of Operations
AMBER BAYLOR	Director of Environmental Compliance
DAVID LLOYD	IT Administrator
TERI NOSON	Clerk of the Board

Also Present:

NEELY SHAHBAKHTI	El Toro Water District
MATTHEW PEREA	South Coast Water District
DAVE REBENDORF	City of San Clemente
GAVIN CURRAN	City of Laguna Beach

**1. Call meeting to Order**

Chairman Erdman called the meeting to order at 10:31 a.m. and welcomed everyone present.

**2. Pledge of Allegiance**

Director Collings led the Pledge of Allegiance to the Flag of the United States of America.

**3. Public Comments**

There were no public comments.

ACTION TAKEN

None.



#### 4. Approval of Financial Matters

Ms. Carey reported that SOCWA was currently under budget at approximately \$1,200,000. Currently all Project Committees and Departments are within their budgets at under 75%. The Fringe Rate was updated due to the lower labor base. The budgeted Fringe Rate was 72%, and the forecasted Fringe Rate is 75.5%; the 75.5% was incorporated in all the budget schedules.

##### ACTION TAKEN

Motion was made by Director Grantham and seconded by Director Freshley to recommend to the Board of Directors to ratify the March 2019 disbursements for the period from March 1, 2019, through March 31, 2019, totaling \$1,896,583 and to receive and file the March 2019, Financial Reports.

Motion carried: Aye 5; Nay 0; Abstain 0; Absent 1

Director Collings	Aye
Director Erdman	Aye
Director Miller	Aye
Director Grantham	Aye
Director Iseman	Absent
Director Freshley	Aye

#### 5. FY 2019/2020 O&M Budget

Ms. Baylor reviewed 5.a. *Outfall Cost* of the PowerPoint presentation *Finance Committee Agenda Items 5a & 5b: San Juan Creek Ocean Outfall (PC-5) Costs & Distributions*, which is herewith attached to these minutes. Ms. Baylor reported a correction of the Fiscal Year 2018-19, on page 21, under the Discussion/Analysis section (first sentence) of the Agenda Item, and noted that the presentation was updated accordingly on slide two (2) attached. An open discussion ensued throughout the presentation.

Mr. Burror reviewed 5.b. *Cost Distributions*, on page 23, and reported that prior to the Finance Committee meeting today there was a Project Committee No. 5 (PC5) Technical Advisory Group meeting. The PC5 members agreed to move forward with the Board approved 'Alternative 1- All Fixed, Outfall Capacity, Final Carollo Recommended'. The PC5 members also indicated a consensus to consider other alternatives for the next budget cycle, as well as continue discussions as SOCWA and member agencies convene for JPA discussions relative to the Project Committees. An open discussion ensued throughout the presentation.

Ms. Baylor provided comments on item 5.c. *PC12 Compliance Study*, on page 23, as submitted. An open discussion ensued.

#### ACTION TAKEN

Motion was made by Director Collings and seconded by Director Freshley to recommend to the Board of Directors to approve the additional PC12 Compliance Study work request with the caveat to the Board to create a detailed work plan with costs for FY 2018-19 and FY 2019-20.

Motion carried:	Aye 5; Nay 0; Abstain 0; Absent 1
Director Collings	Aye
Director Erdman	Aye
Director Miller	Aye
Director Grantham	Aye
Director Iseman	Absent
Director Freshley	Aye

#### 6. **FY 2019/2020 Budget Preparation**

Ms. Carey reported the Cost of Living adjustment was 2.5%; the CPI Index came in at 2.7%. The O&M Budget was adjusted to reflect the 2.7% CPI Index and did not change the Fringe Rate of 71.9%.

#### ACTION TAKEN

Information item, no action taken.

#### 7. **Pension & OPEB Funding Opportunities**

Ms. Carey provided brief comments as submitted on page 28, and referenced page 31 of the Finance Package. Ms. Carey reported staff met with member agency Financial Officers and consultant Julio Morales, UFI Financial Solutions, provided a presentation addressing pension and retiree medical liability issues (OPEB) as submitted on page 29.

#### ACTION TAKEN

Information item, no action taken.

#### 8. **SOCWA Administration Costs**

Ms. Carey reported that there would be no change in the Administration head-count in FY 2019-20. The Board approved the current head-count for FY 2019-20; in FY 2020-21 there would be a change, and the change is included in the FY 2019-20 Budget. Ms. Carey reviewed the PowerPoint presentation *Administration Expenses* as submitted on page 50. An open discussion ensued throughout the presentation.

#### ACTION TAKEN

Information item, no action taken.

## **9. Policy for Funding of Capital Work**

Ms. Carey reported staff recommended to continue to report Capital Expenses as currently reported, and reviewed the *Policy of Capital Funding* as submitted on page 59. An open discussion ensued.

### **ACTION TAKEN**

There being no objection from the Finance Committee, Chairman Erdman directed staff to further review/discuss Agenda Item 9. *Policy of Capital Funding* and resubmit to the Finance Committee for consideration.

## **10. Two-Year Capital Budget (Including Small Capital)**

Mr. Peck reviewed the PowerPoint presentation *SOCWA Capital Improvements Budget Fiscal Years 2019/20 and 2020/21 - Large Capital Projects* as submitted on page 60. An open discussion ensued throughout the presentation. Finance staff provided a handout of the proposed Capital Work Plan and Quarterly Expenditures by Project Committee for FY 19-20 and 20-21.

Mr. Burror reviewed the PowerPoint presentation *SOCWA Small Internal Capital Budget Overview* as submitted on page 70. An open discussion ensued throughout the presentation.

### **ACTION TAKEN**

Information item, no action taken.

## **11. Agenda Preparation Software/Audio Visual Hardware**

Mr. Lloyd provided a brief overview of the Agenda Item as submitted on page 75. An open discussion ensued.

### **ACTION TAKEN**

The Finance Committee took no action on this item. There being no objection from the Finance Committee, Chairman Erdman directed staff to add the *Agenda Preparation Software/Audio Visual Hardware* item to the Board of Directors May 2019 Agenda for discussion from the Board.

## **12. Internship Program at SOCWA**

Ms. Baylor provided an overview of the proposed Internship Program as submitted on page 77.

#### ACTION TAKEN

Motion was made by Director Freshley and seconded by Director Miller to recommend to the Board of Directors to establish an Internship Program Policy with a projection to hire two (2) Interns for the period beginning June 24, 2019, to September 15, 2019.

Motion carried: Aye 5; Nay 0; Abstain 0; Absent 1

Director Collings	Aye
Director Erdman	Aye
Director Miller	Aye
Director Grantham	Aye
Director Iseman	Absent
Director Freshley	Aye

#### **13. Adjournment**

There being no further business, Chairman Erdman adjourned the meeting at 12:18 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of Special Meeting of the South Orange County Wastewater Authority Finance Committee of April 23, 2019, and approved and ratified by the Board of Directors of the South Orange County Wastewater Authority.

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

# Agenda Item

# 5

**Finance Committee Meeting**

**Meeting Date: May 21, 2019**

**TO:** Finance Committee

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Financial Reports for the Month of April 2019

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## Summary/Discussion

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

The reports included are as follows:

- a) Summary of Disbursements for April 2019 (Exhibit A)
- b) Schedule of Funds Available for Reinvestment (Exhibit B)
  - Local Agency Investment Fund (LAIF)
- c) Schedule of Cash and Investments (Exhibit C)
- d) Capital Schedule (Exhibit D)
  - Capital Projects – Graph (Exhibit D-1)
- e) Budget vs. Actual Expenses:
  - Operations and Environmental Summary (Exhibit E-1)
  - Operations and Environmental by PC (E-1.2)
  - Residual Engineering, after transfer to Capital (Exhibit E-2)
  - Administration (Exhibit E-3)
  - Information Technology (IT) (Exhibit E-4)

## Fiscal impact

April 2019 cash disbursements were: \$2,076,414.

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

## Recommendation

Staff recommends that the Finance Committee recommend to the Board of Directors to ratify the April 2019 disbursements for the period from April 1, 2019, through April 30, 2019, totaling \$2,076,414, and to receive and file the April 2019 Financial Reports as submitted.

Exhibit A

**South Orange County Wastewater Authority  
Summary of Disbursements for April 2019  
Staff Recommendation of Fiscal Matters**

	<u>Actual</u>
General Fund	(452,702)
PC 2 - Jay B. Latham Plant	(442,215)
PC 3 - SOCWA Plant/PCA AWT	-
PC 5 - San Juan Creek Ocean Outfall	(10,006)
PC 8 - Pretreatment Program	(6,365)
PC 12 SO - Water Reclamation Permits	(3,564)
PC 15 - Coastal Treatment Plant/AWT	(624,214)
PC 17 - Joint Regional Wastewater Reclamation	(524,059)
PC 21 - Effluent Transmission Main	-
PC 24 - Aliso Creek Ocean Outfall	(13,290)
<b>Total</b>	<u><u><b>(\$2,076,414)</b></u></u>

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT  
as of April 30, 2019**

CASH IN BANK: (BEGINNING BAL.)	649,981
L.A.I.F. FUNDS: (BEGINNING BAL.)	16,972,523
DEPOSITS, TRANSFERS & ADJUSTMENTS:	2,940,455
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION	<u>(2,076,414)</u>
	<u><b>\$ 18,486,546</b></u>

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

In accordance with requirements of the Government Code and the "SOCWA Investment Policy",

I hereby certify that:

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

**Betty Burnett**  
***General Manager***

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



# CALIFORNIA STATE TREASURER FIONA MA, CPA



## PMIA Performance Report

Date	Daily Yield*	Quarter to Date Yield	Average Maturity (in days)
04/15/19	2.45	2.44	182
04/16/19	2.45	2.44	182
04/17/19	2.45	2.44	181
04/18/19	2.45	2.44	184
04/19/19	2.45	2.44	183
04/20/19	2.45	2.44	183
04/21/19	2.45	2.44	183
04/22/19	2.45	2.44	182
04/23/19	2.45	2.44	181
04/24/19	2.45	2.44	180
04/25/19	2.45	2.44	180
04/26/19	2.45	2.44	183
04/27/19	2.45	2.44	183
04/28/19	2.45	2.44	183
04/29/19	2.45	2.44	180
04/30/19	2.45	2.45	179
05/01/19	2.45	2.45	181
05/02/19	2.45	2.45	183
05/03/19	2.45	2.45	184
05/04/19	2.45	2.45	184
05/05/19	2.45	2.45	184
05/06/19	2.45	2.45	182
05/07/19	2.45	2.45	180
05/08/19	2.45	2.45	181
05/09/19	2.45	2.45	180
05/10/19	2.45	2.45	180
05/11/19	2.45	2.45	180
05/12/19	2.45	2.45	180
05/13/19	2.45	2.45	177
05/14/19	2.45	2.45	176
05/15/19	2.45	2.45	178

\*Daily yield does not reflect capital gains or losses

[View Prior Month Daily Rates](#)

## LAIF Performance Report

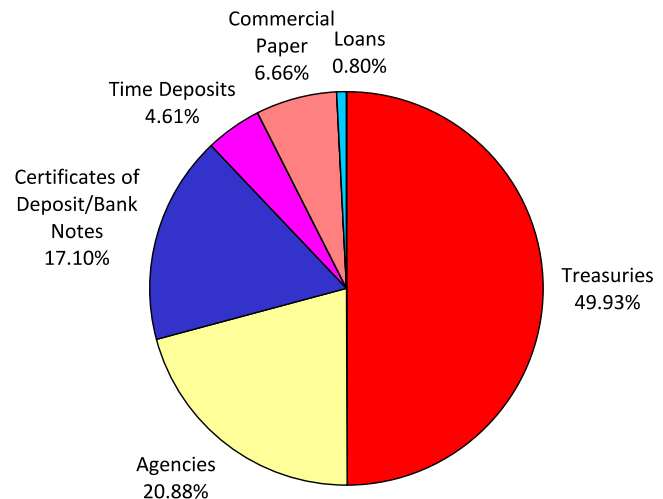
### Quarter Ending 03/31/19

Apportionment Rate: 2.55  
 Earnings Ratio: 0.00006976322349099  
 Fair Value Factor: 1.000146954  
 Daily: 2.44%  
 Quarter to Date: 2.39%  
 Average Life: 179

### PMIA Average Monthly Effective Yields

**Apr 2019 2.445**  
 Mar 2019 2.436  
 Feb 2019 2.392

## Pooled Money Investment Account Portfolio Composition 04/30/19 \$102.7 billion



Percentages may not total 100% due to rounding

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1)

Based on data available as of 05/15/2019



Exhibit C

**South Orange County Wastewater Authority  
Schedule of Cash and Investments  
as of April 30, 2019**

MVA	\$ 2,879,459	(A)
A/P Checking	\$ 305,112	(B)
Payroll Checking	\$ 93,017	(C)
State LAIF	\$ 15,208,958	(D)
<b>Total Cash in Bank</b>	<b>18,486,546</b>	
Petty Cash	\$ 1,600	(E)
<b>Total Operating Cash</b>	<b>18,488,146</b>	
OPEB Trust	\$ 5,094,902	(F)
<b>Total Cash and Investments</b>	<b>\$ 23,583,047</b>	

Notes:

- (A) Interest bearing account; all cash receipts are deposited in this account and later moved to the LAIF account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account, as needed, from the LAIF account.
- (C) Payroll including payroll taxes and related liabilities are drawn against this account; money is transferred into this account, as needed, from the LAIF account.
- (D) LAIF balance.
- (E) Cash on hand with GM's office and held by Chief Operators at each Treatment facility.
- (F) OPEB Trust Fund; these funds can only be used for Retiree Health Benefits.

**South Orange County Wastewater Authority  
Capital Projects Summaries  
For the Period Ended April 30, 2019**

Description	FY 2018-19 Budget vs. Actual Spending									Past Due by Fiscal Year			
	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended	Fiscal Year 18/19 Forecast	Member Agency Billed	Member Agency Collections	Current Receivables	Past Due Amount FY 18/19	FY 18/19 Unpaid Amounts	FY 17/18 Unpaid Amounts	FY 16/17 Unpaid Amounts	Total Past Due Amount
PC 2-JB Latham	7,390,500	1,252,403	6,138,096	16.9%	4,996,403	4,459,000	715,000						
PC 3A						-	-						
PC 5-San Juan Creek Outfall	205,148	5,073	200,075	2.5%	5,073	153,861	153,861		246,097	246,097	732,878	649,490	1,628,465
PC 15-Coastal	9,976,376	1,656,310	8,320,066	16.6%	1,792,311	2,051,827	1,805,730						
PC 17-Regional	5,045,535	366,656	4,678,878	7.3%	1,251,223	3,863,722	2,979,155						
PC 21 Effluent Transmission	371,500	107,850	263,650	29.0%	186,226	400,501	400,501						
PC 24 Aliso Creek Outfall	135,000	825	134,175	0.6%	825	270,001	270,001						
<b>Total Large Capital</b>	<b>23,124,057</b>	<b>3,389,116</b>	<b>19,734,941</b>	<b>14.7%</b>	<b>8,232,060</b>	<b>11,198,912</b>	<b>6,324,248</b>	<b>-</b>	<b>246,097</b>	<b>246,097</b>	<b>732,878</b>	<b>649,490</b>	<b>1,628,465</b>
Non-Capital Engineering	44,500	109,426	(64,926)	245.9%		44,500	44,500		-	-	585	21,831	22,416
Small Internal Capital	2,011,000	931,486	1,079,514	46.3%		2,011,000	1,382,978		125,272	125,272	169,648	84,550	379,470
<b>Total Capital</b>	<b>25,179,557</b>	<b>4,430,028</b>	<b>20,749,529</b>	<b>17.6%</b>		<b>13,254,412</b>	<b>7,751,726</b>	<b>-</b>	<b>371,369</b>	<b>371,369</b>	<b>903,111</b>	<b>755,871</b>	<b>2,030,351</b>

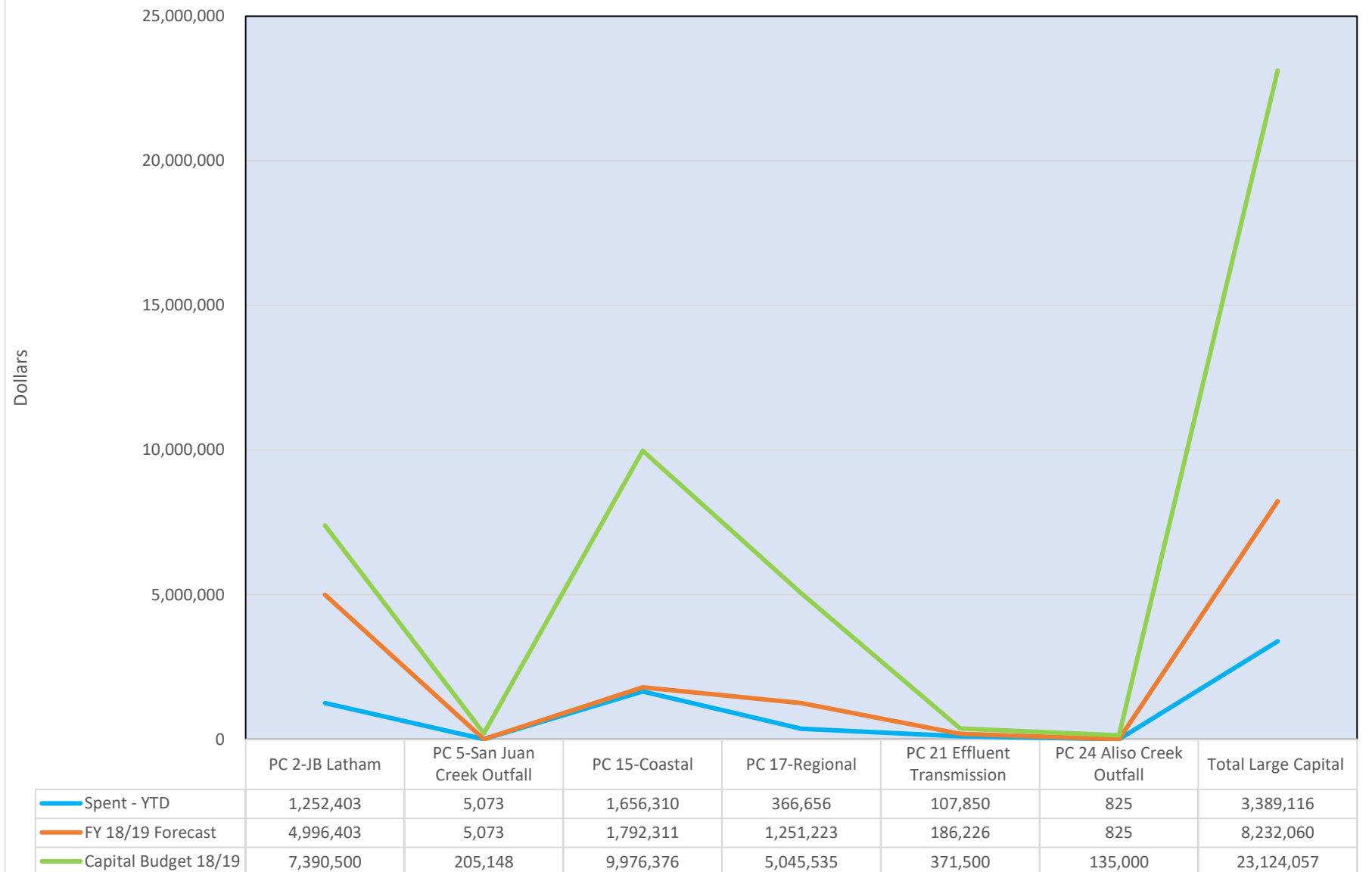
(1) Schedule for Past Due Amounts as of March 31, 2019

Description	Past Due Amount MNWD	Past Due Amount TOTAL	
PC 15-Coastal	1,628,465	1,628,465	(1)
PC 21-Effluent Transmission		-	
PC 24-Aliso Creek Outfall		-	
<b>Total Large Capital</b>	<b>1,628,465</b>	<b>-</b>	<b>1,628,465</b>
Non-Capital Engineering	22,416	22,416	(2)
Small Internal Capital	379,470	379,470	(2)
<b>Total Capital</b>	<b>2,030,351</b>	<b>-</b>	<b>2,030,351</b>

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

## Large Capital Projects Fiscal Year '18-19 Budget vs. Year-to-Date Actual Spending as of 4/30/2019

**D-1**



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

For the Period Ended April 30, 2019

		FY 2018-19 Budget	Actual	(Over)/Under Budget	% Expended
<b>Salary and Fringe</b>					
**5000-**-**	Regular Salaries-O&M	4,510,404	3,421,374	1,089,030	75.9%
**5001-**-**	Overtime Salaries-O&M	115,036	160,934	(45,898)	139.9% (1)
**5306-**-**	Scheduled Holiday Work	49,860	25,179	24,681	50.5%
**5315-**-**	Comp Time - O&M	1,828	17,370	(15,542)	950.2% (1)
**5401-**-**	Fringe Benefits IN to PC's & Depts.	3,247,504	2,562,755	684,749	78.9%
**5700-**-**	Standby Pay	69,292	56,420	12,872	81.4%
	Total Payroll Costs	7,993,924	6,244,032	1,749,892	78.1%
<b>Other Expenses</b>					
**5002-**-**	Electricity	1,055,968	1,060,295	(4,327)	100.4% (2)
**5003-**-**	Natural Gas	148,532	214,569	(66,037)	144.5% (3)
**5004-**-**	Potable & Reclaimed Water	69,012	61,146	7,866	88.6%
**5005-**-**	Co-generation Power Credit	(250,012)	(300,696)	50,684	120.3% (4)
**5006-**-**	Chlorine/Sodium Hypochlorite	489,012	460,175	28,837	94.1% (5)
**5007-**-**	Polymer Products	658,028	450,202	207,826	68.4%
**5008-**-**	Ferric Chloride	265,000	300,439	(35,439)	113.4% (6)
**5009-**-**	Odor Control Chemicals	163,008	98,317	64,691	60.3%
**5010-**-**	Other Chemicals - Misc.	5,000	-	5,000	0.0%
**5011-**-**	Laboratory Services	41,696	23,877	17,819	57.3%
**5012-**-**	Grit Hauling	134,008	96,798	37,210	72.2%
**5013-**-**	Landscaping	185,008	148,367	36,641	80.2%
**5014-**-**	Engineering - Misc.	175,004	22,544	152,460	12.9%
**5015-**-**	Management Support Services	363,936	64,894	299,042	17.8%
**5016-**-**	Audit - Environmental	500	-	500	0.0%
**5017-**-**	Legal Fees	23,020	79,069	(56,049)	343.5%
**5018-**-**	Public Notices/ Public Relations	2,008	170	1,838	8.5%
**5019-**-**	Contract Services Misc.	375,012	249,202	125,810	66.5%
**5021-**-**	Small Vehicle Expense	21,024	28,423	(7,399)	135.2% (7)
**5022-**-**	Miscellaneous Expense	18,488	15,352	3,136	83.0%
**5023-**-**	Office Supplies - All	38,004	27,000	11,004	71.0%
**5024-**-**	Petroleum Products	59,980	23,301	36,679	38.8%
**5025-**-**	Uniforms	37,016	43,146	(6,130)	116.6% (8)
**5026-**-**	Small Vehicle Fuel	35,680	15,832	19,848	44.4%
**5027-**-**	Insurance - Property/Liability	185,132	140,660	44,472	76.0%
**5028-**-**	Small Tools & Supplies	85,664	64,320	21,344	75.1%
**5030-**-**	Trash Disposal	6,992	3,582	3,410	51.2%
**5031-**-**	Safety Program & Supplies	106,396	88,324	18,072	83.0%
**5032-**-**	Equipment Rental	7,008	2,006	5,002	28.6%
**5033-**-**	Recruitment	3,024	1,347	1,678	44.5%
**5034-**-**	Travel Expense/Tech. Conferences	72,068	48,062	24,006	66.7%
**5035-**-**	Training Expense	63,380	75,048	(11,668)	118.4% (9)
**5036-**-**	Laboratory Supplies	90,328	70,159	20,169	77.7%
**5037-**-**	Office Equipment	24,996	13,480	11,516	53.9%
**5038-**-**	Permits	415,952	403,307	12,645	97.0% (10)
**5039-**-**	Membership Dues/Fees	11,920	12,045	(125)	101.0%
**5044-**-**	Offshore Monitoring	36,000	29,645	6,355	82.3%
**5045-**-**	Offshore Biochemistry - 20B	110,000	-	110,000	0.0%
**5046-**-**	Effluent Chemistry	28,004	40,159	(12,155)	143.4% (11)
**5047-**-**	Access Road Expenses	48,000	28,100	19,900	58.5%
**5048-**-**	Storm Damage	20,008	136,123	(116,115)	680.3% (12)
**5049-**-**	Biosolids Disposal	1,639,008	1,074,940	564,068	65.6%
**5050-**-**	Contract Services Generators	21,004	18,604	2,400	88.6%
**5051-**-**	Contract Serv - Metering Station - 29B	0	241	(241)	0.0%
**5052-**-**	Janitorial Services	100,024	60,856	39,168	60.8%
**5053-**-**	Contract Serv - Digester Cleaning - 29E	60,000	-	60,000	0.0%
**5054-**-**	Diesel Truck Maint	41,004	17,115	23,889	41.7%
**5055-**-**	Diesel Truck Fuel	14,004	7,727	6,277	55.2%
**5056-**-**	Maintenance Equip. & Facilities (Solids)	338,000	338,223	(223)	100.1% (13)
**5057-**-**	Maintenance Equip. & Facilities (Liquids)	591,996	474,752	117,244	80.2%
**5058-**-**	Maintenance Equip. & Facilities (Common)	76,004	57,858	18,146	76.1%
**5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	1,135,016	541,592	593,424	47.7%
**5060-**-**	Maintenance Equip. & Facilities (AWT)	72,000	53,631	18,369	74.5%
**5061-**-**	Mileage	2,036	2,168	(132)	106.5%
**5067-**-**	Port Cleaning	35,000	-	35,000	0.0%
**5068-**-**	MNWD Potable Water Supplies & Svcs.	24,484	29,831	(5,347)	121.8%
**5069-**-**	Misc-Capital-Dilution & Metering Study	7,996	-	7,996	0.0%
**5076-**-**	SCADA Infrastructure	57,000	306	56,694	0.5%
**5077-**-**	IT Direct	-	2,216	(2,216)	0.0%
**5101-**-**	Employee Recognition	1,004	-	1,004	0.0%
**5105-**-**	Co-Generation Power Credit - Offset	249,972	300,696	(50,724)	120.3% (4)
**5303-**-**	Group Insurance Waiver	10,824	12,018	(1,194)	111.0%
**5305-**-**	Medicare Tax Payments for Employees	9,452	4,081	5,371	43.2%
**5309-**-**	Operating Leases	31,004	15,006	15,998	48.4%
**5705-**-**	Monthly Car Allowance	25,376	23,940	1,436	94.3%
**5706-**-**	Effluent Pond Cleaning	90,000	-	90,000	0.0%
**6500-**-**	IT Allocations in to PC's & Depts.	646,448	463,596	182,852	71.7%
	Total Other Expenses	10,707,660	7,838,678	2,868,982	73.2%
		<b>18,701,584</b>	<b>14,082,710</b>	<b>4,618,874</b>	<b>75.3%</b>

- (1) Elevated overtime costs are associated with several ongoing construction projects, staff vacancies, several large Fall/Winter storm events, larger repair projects at the plants and PC15 litigation.
- (2) The JBL emissions control system required several upgrades; which required shutdowns that resulted in additional purchase of electricity and power transmission costs. O&M is working with Engineering to resolve outstanding AQMD compliance issues. Electricity costs at RTP have been elevated due to delays in completing the new Engine Project.
- (3) The plants continue to see decreases in wastewater flows and loads leading to less digester gas for the new engines and increased natural gas usage.
- (4) The credit for power generated at RTP is higher than projected due to the increased value of the electricity. The value is calculated each month based on SCE rates and has doubled since 2016.
- (5) Bleach usage was elevated in the first quarter due to elevated recycled water use and decreased flows to the plant causing partial nitrification that consumes elevated levels of bleach in the disinfection process. O&M staff has removed one aeration tank from service to reduce nitrification. The change was planned for the winter to minimize potential disruptions of recycled water in the summer and fall.
- (6) Ferric Chloride usage is elevated above the budget that was based on engineering estimates for usage to maintain compliance with AQMD permits for the new engines. Budgets will be increased in FY19/20.
- (7) New vehicles were outfitted with gear for use by staff; elevating expenses for the first quarter.
- (8) Uniform expenses are elevated due to new employee change outs and required PPE has been added to employee inventories.
- (9) Training expenses have been elevated due to the large number of newer employees in O&M.
- (10) SOCWA permits are primarily paid in July and November each year; the RWQCB increased its fees higher than anticipated. The increase was due to a shortfall in State funding for their permitting programs.
- (11) Annual Kelp Survey as required by NPDES permit; expenses are planned to level off.
- (12) The FY16-17 storm damage repair was completed and was determined to be a maintenance expense. Received FEMA funds of \$136,995 during FY 2017-18.
- (13) Solids expenses at JBL included the planned major overhaul of Centrifuge #2 in July; expenses are planned to level off. Solids at RTP included a large emergency repair of the hot water system; expenses are planned to level off.

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs by PC**  
For the Period Ended April 30, 2019

		FY 2018-19 Budget	Actual	(Over)/Under Budget	% Expended
<b>02 - Jay B. Latham Plant</b>					
Salary and Fringe					
02-5000-**-**	Regular Salaries-O&M	1,472,936	1,158,782	314,154	78.7%
02-5001-**-**	Overtime Salaries-O&M	32,908	58,521	(25,613)	177.8% (1)
02-5306-**-**	Scheduled Holiday Work	14,732	11,523	3,209	78.2%
02-5315-**-**	Comp Time - O&M	752	9,962.51	(9,211)	1324.8% (1)
02-5401-**-**	Fringe Benefits IN to PC's & Depts.	1,060,520	864,628	195,892	81.5%
02-5700-**-**	Standby Pay	27,048	23,498	3,551	86.9%
	Total Payroll Costs	2,608,896	2,126,915	481,981	81.5%
Other Expenses					
02-5002-**-**	Electricity	374,976	407,515	(32,539)	108.7% (2)
02-5003-**-**	Natural Gas	120,024	120,804	(780)	100.7% (3)
02-5004-**-**	Potable & Reclaimed Water	20,008	18,866	1,142	94.3%
02-5006-**-**	Chlorine/Sodium Hypochlorite	28,000	-	28,000	0.0%
02-5007-**-**	Polymer Products	250,008	159,549	90,459	63.8%
02-5008-**-**	Ferric Chloride	105,004	104,562	442	99.6% (4)
02-5009-**-**	Odor Control Chemicals	28,004	25,754	2,250	92.0% (5)
02-5010-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
02-5011-**-**	Laboratory Services	10,692	5,620	5,073	52.6%
02-5012-**-**	Grit Hauling	50,004	43,790	6,214	87.6%
02-5013-**-**	Landscaping	50,004	49,653	351	99.3% (6)
02-5014-**-**	Engineering - Misc.	30,004	15,380	14,624	51.3%
02-5015-**-**	Management Support Services	59,004	34,692	24,312	58.8%
02-5017-**-**	Legal Fees	4,992	473	4,519	9.5%
02-5019-**-**	Contract Services Misc.	115,004	65,787	49,217	57.2%
02-5021-**-**	Small Vehicle Expense	8,004	11,510	(3,506)	143.8% (7)
02-5022-**-**	Miscellaneous Expense	8,000	4,629	3,371	57.9%
02-5023-**-**	Office Supplies - All	27,000	13,840	13,161	51.3%
02-5024-**-**	Petroleum Products	15,992	7,426	8,566	46.4%
02-5025-**-**	Uniforms	13,004	16,772	(3,768)	129.0% (8)
02-5026-**-**	Small Vehicle Fuel	14,980	9,154	5,826	61.1%
02-5027-**-**	Insurance - Property/Liability	65,464	49,738	15,726	76.0%
02-5028-**-**	Small Tools & Supplies	40,004	30,646	9,358	76.6%
02-5030-**-**	Trash Disposal	2,000	1,368	632	68.4%
02-5031-**-**	Safety Supplies	34,704	33,217	1,488	95.7% (8A)
02-5032-**-**	Equipment Rental	3,000	1,834	1,166	61.1%
02-5033-**-**	Recruitment	1,024	705	320	68.8%
02-5034-**-**	Travel Expense/Tech. Conferences	18,876	19,864	(988)	105.2% (9)
02-5035-**-**	Training Expense	26,188	33,121	(6,933)	126.5% (10)
02-5036-**-**	Laboratory Supplies	14,296	12,007	2,289	84.0%
02-5037-**-**	Office Equipment	13,000	8,052	4,948	61.9%
02-5038-**-**	Permits	22,432	22,819	(387)	101.7% (11)
02-5039-**-**	Membership Dues/Fees	8,040	6,051	1,989	75.3%
02-5049-**-**	Biosolids Disposal	600,000	319,908	280,092	53.3%
02-5050-**-**	Contract Services Generators	9,000	11,136	(2,136)	123.7% (12)
02-5052-**-**	Janitorial Services	40,004	29,245	10,759	73.1%
02-5053-**-**	Contract Serv - Digester Cleaning - 29E	60,000	-	60,000	0.0%
02-5054-**-**	Diesel Truck Maint	20,996	6,540	14,456	31.1%
02-5055-**-**	Diesel Truck Fuel	6,000	3,565	2,435	59.4%
02-5056-**-**	Maintenance Equip. & Facilities (Solids)	142,004	175,389	(33,385)	123.5% (13)
02-5057-**-**	Maintenance Equip. & Facilities (Liquids)	246,996	190,894	56,102	77.3%
02-5058-**-**	Maintenance Equip. & Facilities (Common)	27,000	29,091	(2,091)	107.7% (14)
02-5059-**-**	Maintenance Equip. & Facilities (Co-Gen)	485,004	209,885	275,119	43.3%
02-5061-**-**	Mileage	2,036	1,118	918	54.9%
02-5076-**-**	SCADA Infrastructure	19,000	306	18,694	1.6%
02-5077-**-**	IT Direct	-	1,153	(1,153)	0.0%
02-5303-**-**	Group Insurance Waiver	3,604	3,005	599	83.4%
02-5305-**-**	Medicare Tax Payments for Employees	3,864	2,425	1,439	62.8%
02-5309-**-**	Operating Leases	25,004	15,006	9,998	60.0%
02-5705-**-**	Monthly Car Allowance	8,416	13,701	(5,285)	162.8%
02-6500-**-**	IT Allocations in to PC's & Depts.	211,128	147,940	63,188	70.1%
	Total Other Expenses	3,492,792	2,495,678	997,114	71.5%
	Total Expenses	6,101,688	4,622,593	1,479,095	75.8%

**05 - San Juan Creek Ocean Outfall**

Salary and Fringe					
05-5000-**-**	Regular Salaries-O&M	123,972	64,559	59,413	52.1%
05-5001-**-**	Overtime Salaries-O&M	1,116	683	433	61.2%
05-5306-**-**	Scheduled Holiday Work	740	126	614	17.0%
05-5401-**-**	Fringe Benefits IN to PC's & Depts.	89,252	48,742	40,510	54.6%
	Total Payroll Costs	215,080	114,109	100,971	53.1%

## Other Expenses

05-5002-**-**	Electricity	1,004	-	1,004	0.0%
05-5003-**-**	Natural Gas	512	-	512	0.0%
05-5014-**-**	Engineering - Misc.	10,000	-	10,000	0.0%
05-5015-**-**	Management Support Services	9,404	3,640	5,764	38.7%
05-5017-**-**	Legal Fees	2,000	873	1,127	43.6%
05-5026-**-**	Small Vehicle Fuel - 37A	512	-	512	0.0%
05-5027-**-**	Insurance - Property/Liability	5,756	4,373	1,383	76.0%
05-5031-**-**	Safety Supplies	1,004	-	1,004	0.0%
05-5034-**-**	Travel Expense/Tech. Conferences	4,456	4,294	162	96.4%
05-5035-**-**	Training Expense	564	3,000	(2,436)	531.9% (10)
05-5036-**-**	Laboratory Supplies	19,236	14,330	4,906	74.5%
05-5038-**-**	Permits	155,000	172,815	(17,815)	111.5% (11)
05-5044-**-**	Offshore Monitoring	18,000	14,822	3,178	82.3%
05-5045-**-**	Offshore Biochemistry - 20B	64,996	-	64,996	0.0%

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs by PC**  
For the Period Ended April 30, 2019

		FY 2018-19 Budget	Actual	(Over)/Under Budget	% Expended	
05-5046-**-**	Effluent Chemistry	14,000	15,847	(1,847)	113.2%	(15)
05-5058-**-**	Maintenance Equip. & Facilities (Common)	1,004	-	1,004	0.0%	
05-5069-**-**	Misc-Capital-Dilution & Metering Study	7,996	-	7,996	0.0%	
05-5101-**-**	Employee Recognition	1,004	-	1,004	0.0%	
05-5305-**-**	Medicare Tax Payments for Employees	2,460	-	2,460	0.0%	
05-5705-**-**	Monthly Car Allowance	4,204	-	4,204	0.0%	
05-6500-**-**	IT Allocations in to PC's & Depts.	17,772	10,371	7,401	58.4%	
	Total Other Expenses	340,884	244,365	96,519	71.7%	
	Total Expenses	555,964	358,475	197,489	64.5%	
<b>08 - Pre Treatment</b>						
Salary and Fringe						
08-5000-**-**	Regular Salaries-O&M	80,312	62,804	17,508	78.2%	
08-5001-**-**	Overtime Salaries-O&M	1,380	0	1,380	0.0%	
08-5306-**-**	Scheduled Holiday Work	200	-	200	0.0%	
08-5315-**-**	Comp Time - Environment	-	2,592.23	(2,592)	0.0%	
08-5401-**-**	Fringe Benefits IN to PC's & Depts.	57,824	47,417	10,407	82.0%	
	Total Payroll Costs	139,716	112,813	26,903	80.7%	
Other Expenses						
08-5011-**-**	Laboratory Services	3,000	0	3,000	0.0%	(16)
08-5015-**-**	Management Support Services	4,004	906	3,098	22.6%	
08-5016-**-**	Audit - Environmental	500	-	500	0.0%	
08-5017-**-**	Legal Fees	2,008	16,206	(14,198)	807.1%	
08-5018-**-**	Public Notices/ Public Relations	2,008	170	1,838	8.5%	
08-5021-**-**	Small Vehicle Expense - 31A	1,016	-	1,016	0.0%	
08-5022-**-**	Miscellaneous Expense	1,496	-	1,496	0.0%	
08-5026-**-**	Small Vehicle Fuel - 37A	1,196	-	1,196	0.0%	
08-5027-**-**	Insurance - Property/Liability	2,016	1,532	484	76.0%	
08-5028-**-**	Small Tools & Supplies	6,648	840	5,808	12.6%	
08-5034-**-**	Travel Expense/Tech. Conferences	4,248	1,762.46	2,486	41.5%	
08-5035-**-**	Training Expense	3,872	965	2,907	24.9%	
08-5038-**-**	Permits and Fines	10,012	-	10,012	0.0%	
08-5039-**-**	Membership Dues/Fees	324	430	(106)	132.7%	
08-6500-**-**	IT Allocations in to PC's & Depts.	11,516	8,899	2,617	77.3%	
	Total Other Expenses	53,864	31,710	22,154	58.9%	
	Total Expenses	193,580	144,523	49,057	74.7%	
<b>12 - Water Reclamation Permits</b>						
Salary and Fringe						
12-5000-**-**	Regular Salaries-O&M	30,396	28,659	1,737	94.3%	
12-5401-**-**	Fringe Benefits IN to PC's & Depts.	21,880	21,638	242	98.9%	
	Total Payroll Costs	52,276	50,297	1,979	67.4%	
Other Expenses						
12-5015-**-**	Management Support Services	130,516	9,721	120,795	7.4%	
12-5017-**-**	Legal Fees	2,004	1,872	132	93.4%	
12-5027-**-**	Insurance - Property/Liability	1,000	760	240	76.0%	
12-5034-**-**	Travel Expense/Tech. Conferences	2,240	58	2,182	2.6%	
12-5038-**-**	Permits	18,488	16,347	2,141	88.4%	(11)
12-6500-**-**	IT Allocations in to PC's & Depts.	4,356	5,007	(651)	114.9%	
	Total Other Expenses	158,604	33,765	124,839	21.3%	
	Total Expenses	210,880	84,062	126,818	39.9%	
<b>15 - Coastal Treatment Plant</b>						
Salary and Fringe						
15-5000-**-**	Regular Salaries-O&M	897,448	647,216	250,232	72.1%	
15-5001-**-**	Overtime Salaries-O&M	21,252	26,376	(5,124)	124.1%	(1)
15-5306-**-**	Scheduled Holiday Work	6,548	2,863	3,685	43.7%	
15-5315-**-**	Comp Time - O&M	-	609.13	(609.13)	0.0%	(1)
15-5401-**-**	Fringe Benefits IN to PC's & Depts.	646,172	488,158	158,014	75.5%	
15-5700-**-**	Standby Pay	16,900	4,290	12,610	25.4%	
	Total Payroll Costs	1,588,320	1,169,512	418,808	73.6%	
Other Expenses						
15-5002-**-**	Electricity	297,000	182,085	114,915	61.3%	
15-5003-**-**	Natural Gas	2,996	2,585	411	86.3%	
15-5004-**-**	Potable & Reclaimed Water	13,004	20,723	(7,719)	159.4%	(17)
15-5006-**-**	Chlorine/Sodium Hypochlorite	100,004	48,749	51,255	48.7%	
15-5007-**-**	Polymer Products	2,008	0	2,008	0.0%	
15-5008-**-**	Ferric Chloride	30,996	52,579	(21,583)	169.6%	(18)
15-5009-**-**	Odor Control Chemicals	85,004	35,014	49,990	41.2%	
15-5011-**-**	Laboratory Services	11,500	7,112	4,388	61.8%	
15-5012-**-**	Grit Hauling	30,004	17,098	12,907	57.0%	
15-5013-**-**	Landscaping	60,008	34,194	25,814	57.0%	
15-5014-**-**	Engineering - Misc.	20,000	2,788	17,212	13.9%	
15-5015-**-**	Management Support Services	10,000	2,680	7,320	26.8%	
15-5017-**-**	Legal Fees	5,000	43,242	(38,242)	864.8%	
15-5019-**-**	Contract Services Misc.	110,000	78,917	31,083	71.7%	
15-5021-**-**	Small Vehicle Expense	6,004	8,763	(2,759)	146.0%	(7)
15-5022-**-**	Miscellaneous Expense	2,996	2,564	432	85.6%	
15-5023-**-**	Office Supplies - All	4,004	4,081	(77)	101.9%	
15-5024-**-**	Petroleum Products	2,000	4,929	(2,929)	246.5%	(19)
15-5025-**-**	Uniforms	6,004	6,327	(323)	105.4%	(8)
15-5026-**-**	Small Vehicle Fuel	6,004	951	5,053	15.8%	
15-5027-**-**	Insurance - Property/Liability	26,436	20,086	6,350	76.0%	
15-5028-**-**	Small Tools & Supplies	11,000	10,603	397	96.4%	(20)

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs by PC**  
For the Period Ended April 30, 2019

	<b>FY 2018-19 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
15-5030-**-**-**	2,996	1,204	1,792	40.2%
15-5031-**-**-**	34,692	21,397	13,295	61.7%
15-5032-**-**-**	1,000	172	828	17.2%
15-5033-**-**-**	1,000	0	1,000	0.0%
15-5034-**-**-**	18,872	6,194	12,678	32.8%
15-5035-**-**-**	13,652	7,115	6,537	52.1%
15-5036-**-**-**	14,496	9,581	4,915	66.1%
15-5037-**-**-**	2,000	2,508	(508)	125.4%
15-5038-**-**-**	22,000	5,914	16,086	26.9%
15-5039-**-**-**	968	1,478	(510)	152.7% (21)
15-5047-**-**-**	48,000	28,100	19,900	58.5%
15-5048-**-**-**	20,008	136,123	(116,115)	680.3% (22)
15-5049-**-**-**	125,004	0	125,004	0.0%
15-5050-**-**-**	4,004	2,604	1,400	65.0%
15-5051-**-**-**	-	241	(241)	0.0%
15-5052-**-**-**	20,008	9,330	10,678	46.6%
15-5054-**-**-**	1,004	115	889	11.4%
15-5055-**-**-**	1,004	0	1,004	0.0%
15-5056-01-00-00	0	53	(53)	0.0%
15-5057-**-**-**	175,000	88,779	86,221	50.7%
15-5058-**-**-**	21,000	2,542	18,458	12.1%
15-5059-01-00-00	0	124	(124)	0.0%
15-5060-**-**-**	36,000	8,615	27,385	23.9%
15-5061-**-**-**	-	286	(286)	0.0%
15-5076-**-**-**	19,000	0	19,000	0.0%
15-5077-**-**-**	-	1,063	(1,063)	0.0%
15-5303-**-**-**	3,600	3,005	595	83.5%
15-5305-**-**-**	2,996	1,617	1,379	54.0%
15-5705-**-**-**	1,368	3,505	(2,137)	256.2%
15-6500-**-**-**	128,644	89,955	38,689	69.9%
Total Other Expenses	1,560,288	1,017,712	542,576	65.2%
Total Expenses	3,148,608	2,187,224	961,384	69.5%

**17 - Joint Regional Wastewater Reclamation and Sludge Handling**

<b>Salary and Fringe</b>				
17-5000-**-**-**	Regular Salaries-O&M	1,776,684	1,394,509	382,175 78.5%
17-5001-**-**-**	Overtime Salaries-O&M	57,712	74,073	(16,361) 128.3% (1)
17-5306-**-**-**	Scheduled Holiday Work	27,320	10,589	16,731 38.8%
17-5315-**-**-**	Comp Time - O&M	1,076	4,206.52	(3,131) 390.9% (1)
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,279,200	1,043,214	235,986 81.6%
17-5700-**-**-**	Standby Pay	25,344	28,633	(3,289) 113.0%
Total Payroll Costs		3,167,336	2,555,223	612,113 56.4%

**Other Expenses**

17-5002-**-**-**	Electricity	381,988	470,695	(88,707) 123.2% (2)
17-5003-**-**-**	Natural Gas	25,000	91,180	(66,180) 364.7% (3)
17-5004-**-**-**	Potable & Reclaimed Water	36,000	21,557	14,443 59.9%
17-5005-**-**-**	Co-generation Power Credit	(250,012)	(300,696)	50,684 120.3% (23)
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	361,008	411,426	(50,418) 114.0% (24)
17-5007-**-**-**	Polymer Products	406,012	290,652	115,360 71.6%
17-5008-**-**-**	Ferric Chloride	129,000	143,298	(14,298) 111.1% (4)
17-5009-**-**-**	Odor Control Chemicals	50,000	37,549	12,451 75.1%
17-5010-**-**-**	Other Chemicals - Misc.	4,000	-	4,000 0.0%
17-5011-**-**-**	Laboratory Services	16,504	11,146	5,358 67.5%
17-5012-**-**-**	Grit Hauling - 21A	54,000	35,911	18,089 66.5%
17-5013-**-**-**	Landscaping	74,996	64,520	10,476 86.0% (6)
17-5014-**-**-**	Engineering - Misc.	32,500	2,801	29,699 8.6%
17-5015-**-**-**	Management Support Services	123,500	6,480.29	117,020 5.2%
17-5017-**-**-**	Legal Fees	5,008	5,356	(348) 106.9%
17-5019-**-**-**	Contract Services Misc.	150,008	103,898	46,110 69.3%
17-5021-**-**-**	Small Vehicle Expense	6,000	8,149	(2,149) 135.8% (7)
17-5022-**-**-**	Miscellaneous Expense	5,996	8,159	(2,163) 136.1% (25)
17-5023-**-**-**	Office Supplies - All	7,000	9,080	(2,080) 129.7% (26)
17-5024-**-**-**	Petroleum Products	41,988	10,945	31,043 26.1%
17-5025-**-**-**	Uniforms	18,008	20,047	(2,039) 111.3% (8)



**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs by PC**  
For the Period Ended April 30, 2019

		FY 2018-19 Budget	Actual	(Over)/Under Budget	% Expended
17-5026-**-**-**	Small Vehicle Fuel	12,988	5,727	7,261	44.1%
17-5027-**-**-**-**	Insurance - Property/Liability	78,860	59,916	18,944	76.0%
17-5028-**-**-**-**	Small Tools & Supplies	28,012	22,230	5,782	79.4%
17-5030-**-**-**-**	Trash Disposal	1,996	1,009	987	50.6%
17-5031-**-**-**-**	Safety Program & Supplies	35,000	33,711	1,289	96.3% (8A)
17-5032-**-**-**-**	Equipment Rental	3,008	-	3,008	0.0%
17-5033-**-**-**-**	Recruitment	1,000	642	358	64.2%
17-5034-**-**-**-**	Travel Expense/Tech. Conferences	18,880	11,913	6,967	63.1%
17-5035-**-**-**-**	Training Expense	18,584	27,847	(9,263)	149.8% (10)
17-5036-**-**-**-**	Laboratory Supplies	22,740	18,403	4,337	80.9%
17-5037-**-**-**-**	Office Equipment	9,996	2,920	7,076	29.2%
17-5038-**-**-**-**	Permits	40,016	20,287	19,729	50.7%
17-5039-**-**-**-**	Membership Dues/Fees	2,588	4,087	(1,499)	157.9% (21)
17-5049-**-**-**-**	Biosolids Disposal	914,004	755,032	158,972	82.6%
17-5050-**-**-**-**	Contract Services Generators	8,000	4,865	3,135	60.8%
17-5052-**-**-**-**	Janitorial Services	40,012	22,281	17,731	55.7%
17-5054-**-**-**-**	Diesel Truck Maint	19,004	10,460	8,544	55.0%
17-5055-**-**-**-**	Diesel Truck Fuel	7,000	4,162	2,838	59.5%
17-5056-**-**-**-**	Maintenance Equip. & Facilities (Solids)	195,996	162,781	33,215	83.1%
17-5057-**-**-**-**	Maintenance Equip. & Facilities (Liquids)	170,000	195,078	(25,078)	114.8% (27)
17-5058-**-**-**-**	Maintenance Equip. & Facilities (Common)	26,000	24,107	1,893	92.7%
17-5059-**-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	650,012	331,583	318,429	51.0%
17-5060-**-**-**-**	Maintenance Equip. & Facilities (AWT)	36,000	45,016	(9,016)	125.0% (28)
17-5061-**-**-**-**	Mileage	-	764	(764)	0.0%
17-5068-**-**-**-**	MNWD Potable Water Supplies & Svcs.	24,484	29,831	(5,347)	121.8%
17-5076-**-**-**-**	SCADA Infrastructure	19,000	-	19,000	0.0%
17-5105-**-**-**-**	Co-Generation Power Credit - Offset	249,972	300,696	(50,724)	120.3% (23)
17-5303-**-**-**-**	Group Insurance Waiver	3,620	6,009	(2,389)	166.0%
17-5305-**-**-**-**	Medicare Tax Payments for Employees	132	39	93	29.2%
17-5309-**-**-**-**	Operating Leases	6,000	-	6,000	0.0%
17-5705-**-**-**-**	Monthly Car Allowance	11,388	6,734	4,654	59.1%
17-5706-**-**-**-**	Effluent Pond Cleaning	90,000	-	90,000	0.0%
17-6500-**-**-**-**	IT Allocations in to PC's & Depts.	254,744	192,010	62,734	75.4%
	Total Other Expenses	4,677,540	3,752,589	924,951	80.2%
	Total Expenses	7,844,876	6,307,812	1,537,064	80.4%
<b>21 - Effluent Transmission Main</b>					
Salary and Fringe					
21-5000-**-**-**-**	Regular Salaries-O&M	500	356	144	64.1%
21-5401-**-**-**-**	Fringe Benefits IN to PC's & Depts.	360	269	91	64.1%
	Total Payroll Costs	860	625	235	64.1%
Other Expenses					
21-5014-**-**-**-**	Engineering - Misc.	62,496	1,575	60,921	2.5%
21-5015-**-**-**-**	Management Support Services	2,500	-	2,500	0.0%
21-5019-**-**-**-**	Contract Services Misc. - 29	-	600	(600)	0.0%
21-5027-**-**-**-**	Insurance - Property/Liability	-	0	0	0.0%
	Total Other Expenses	64,996	2,175	62,821	3.3%
	Total Expenses	65,856	2,799	63,057	4.3%
<b>23 - North Coast Interceptor</b>					
Other Expenses					
23-5017-**-**-**-**	Legal Fees	-	10,743	(10,743)	0.0%
	Total Other Expenses	-	10,743	(10,743)	0.0%
	Total Expenses	-	10,743	(10,743)	0.0%
<b>24 - Aiiso Creek Ocean Outfall</b>					
Salary and Fringe					
24-5000-**-**-**-**	Regular Salaries-O&M	128,156	64,489	63,667	50.3%
24-5001-**-**-**-**	Overtime Salaries-O&M	668	1,282	(614)	191.9% (1)
24-5306-**-**-**-**	Scheduled Holiday Work	320	78	242	24.5%
24-5401-**-**-**-**	Fringe Benefits IN to PC's & Depts.	92,296	48,689	43,607	52.8%
	Total Payroll Costs	221,440	114,538	106,902	51.7%
Other Expenses					
24-5002-**-**-**-**	Electricity	1,000	-	1,000	0.0%
24-5014-**-**-**-**	Engineering - Misc.	20,004	-	20,004	0.0%
24-5015-**-**-**-**	Management Support Services	25,008	6,774	18,234	27.1%
24-5017-**-**-**-**	Legal Fees	2,008	304	1,704	15.1%
24-5027-**-**-**-**	Insurance - Property/Liability	5,600	4,255	1,345	76.0%
24-5031-**-**-**-**	Safety Supplies	996	-	996	0.0%
24-5034-**-**-**-**	Travel Expense/Tech. Conferences	4,496	3,977	519	88.5%
24-5035-**-**-**-**	Training Expense	520	3,000.00	(2,480)	576.9%
24-5036-**-**-**-**	Laboratory Supplies	19,560	15,839	3,721	81.0%
24-5038-**-**-**-**	Permits	148,004	165,126	(17,122)	111.6% (11)
24-5044-**-**-**-**	Offshore Monitoring	18,000	14,822	3,178	82.3%
24-5045-**-**-**-**	Offshore Biochemistry - 20B	45,004	-	45,004	0.0%
24-5046-**-**-**-**	Effluent Chemistry	14,004	24,312	(10,308)	173.6% (15)
24-5058-**-**-**-**	Maintenance Equip. & Facilities (Common) 41-	1,000	2,118	(1,118)	211.8% (29)
24-5067-**-**-**-**	Port Cleaning	35,000	-	35,000	0.0%
24-6500-**-**-**-**	IT Allocations in to PC's & Depts.	18,288	9,415	8,873	51.5%
	Total Other Expenses	358,692	249,942	108,750	69.7%
	Total Expenses	580,132	364,480	215,652	62.8%
<b>SOCWA TOTAL</b>		<b>18,701,584</b>	<b>14,082,710</b>	<b>4,618,874</b>	<b>75.3%</b>

**South Orange County Wastewater Authority**  
**O & M & Environmental Safety Costs by PC**  
For the Period Ended April 30, 2019

- (1) Elevated overtime costs are associated with several ongoing construction projects, staff vacancies, repair projects at the plants, and PC15 litigation.
- (2) The JBL emissions controls system required several upgrades, which required shutdowns that resulted in additional purchases of electricity and power transmission costs. O&M is working with Engineering to resolve outstanding equipment compliance issues. Electricity costs at RTP have been elevated due to delays in completing the new Engine project and emissions controls system testing and studies.
- (3) The plants continue to see decreases in wastewater flows and loads leading to less digester gas for the new engines and increased natural gas usage.
- (4) Ferric Chloride usage is elevated above the budget that was based on engineering estimates for usage to maintain compliance with AQMD permits for the new engines. Budgets will be increased in FY19/20.
- (5) Odor Control Chemicals have been elevated due to adjustments to better ensure odor control at the Plant.
- (6) Several large trees were removed that were in danger of falling onto the adjacent properties; expenses are planned to level off.
- (7) New vehicles were outfitted with gear for use by staff elevating expenses for the Fiscal Year.
- (8) Uniform expenses are elevated due to new employee change outs and required PPE has been added to employee inventories.
- (8A) Safety supply equipment is nearly complete for the Fiscal Year and is expected to level off.
- (9) Travel expenses for training have been elevated due to the large number of newer employees in O&M.
- (10) Training expenses have been elevated due to the large number of newer employees in O&M.
- (11) SOCWA permits are primarily paid in July and November each year; the RWQCB increased its fees higher than anticipated. The increase was due to a shortfall in State funding for their permitting programs.
- (12) Standby Generator maintenance was completed for the Fiscal Year in July . No additional expenses are anticipated.
- (13) Solids expenses included the planned major overhaul of Centrifuge #2 in July; expenses are planned to level off.
- (14) Common expenses included several large repairs in anticipation of the winter weather; expenses are planned to level off.
- (15) Additional toxicity testing due to NPDES permitting accelerated monitoring at Aliso Creek Ocean Outfall.
- (16) These are pass through costs that will be billed to private companies directly and reversed during the year.
- (17) Water use is higher than planned to meet a new recommendation for odor scrubber operations to reduce equipment fouling.
- (18) Ferric Chloride usage is elevated due to higher than normal hydrogen sulfides in the sewer systems discharging to CTP.
- (19) Elevated use of generator fuel at CTP was due to power company work in the area.
- (20) Small tools spending is expected to level off.
- (21) Several staff membership dues were paid in late summer; expenses are planned to level off.
- (22) The FY16-17 storm damage repair was completed and was determined to be a maintenance expense.
- (23) The credit for power generated at RTP is higher than projected due to the increased value of the electricity. The value is calculated each month based on SCE rates and has doubled since 2016.  
  
Bleach usage has been elevated in the first quarter due to elevated recycled water use and decreased flows to the plant causing partial nitrification that consumes elevated levels of bleach in the disinfection process. O&M staff has removed one aeration tank from service to reduce nitrification. The change was planned for the winter to minimize potential disruptions of recycled water in the summer and fall.
- (24) SOCWA purchased a number of Design Standards, Guidelines, and Operations study manuals for new staff to use at the plant.
- (25) Office supply costs are elevated but expected to level off.
- (26) Liquids expenses included several large repairs in anticipation of the upcoming winter weather; expenses are planned to level off.
- (27) Several failed valves were replaced at RTP that could not wait until the annual AWT maintenance shutdown in January.
- (28) The Aliso Creek Ocean Outfall sampling station has failed and is in the process of being assessed for potential replacement.
- (29)

**South Orange County Wastewater Authority**  
**Budget vs. Actual Comparison - Residual Engineering, after transfer to Capital**  
For the Period Ended April 30, 2019

		<b>FY 2018-19 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary and Fringe</b>					
**-5000-**-**-00	Regular Salaries-O&M	199,834	172,333	27,501	86.2%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	143,880	130,111	13,769	90.4%
	Total Payroll Costs	343,714	302,445	41,269	88.0%
<b>Other Expenses</b>					
01-5015-03-00-00	Management Support Services	7,500	-	7,500	0.0%
01-5022-03-00-00	Miscellaneous Expense	3,060	-	3,060	0.0%
01-5023-03-00-00	Office Supplies - All	200	192	8	95.8%
01-5031-03-00-00	Safety Supplies	-	145	(145)	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferences	6,659	11,122	(4,463)	167.0%
01-5035-03-00-00	Training Expense	4,000	-	4,000	0.0%
01-5037-03-00-00	Office Equipment	5,000	1,890	3,111	37.8%
01-5039-03-00-00	Membership Dues/Fees	2,025	846	1,179	41.8%
01-5061-03-00-00	Mileage	300	177	123	59.2%
01-5301-03-00-00	Vehicle Pay	4,200	-	4,200	0.0%
01-5309-03-00-00	Operating Leases	20,637	5,021	15,616	24.3%
01-5705-03-00-00	Monthly Car Allowance	-	3,505	(3,505)	0.0%
01-5802-03-00-00	Shipping/Freight	300	26	274	8.6%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	59,860	41,417	18,443	69.2%
	Total Other Expenses	113,741	64,371	49,369	56.6%
<b>Total Expenses</b>		<b>457,455</b>	<b>366,816</b>	<b>90,639</b>	<b>80.2%</b>

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

**South Orange County Wastewater Authority**  
**Budget vs. Actual Comparison - Administration**  
For the Period Ended April 30, 2019

		<b>FY 2018-19 Budget</b>	<b>*Board Approved Expenditure not in Budget</b>	<b>Adjusted Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary and Fringe</b>							
01-6000-04-00-00	Regular Salaries-Admin or IT	985,352		985,352	757,567	227,786	76.9%
01-6001-04-00-00	Overtime Salaries-Admin or IT	12,000		12,000	11,049	951	92.1%
01-6315-04-00-00	Comp Time - Admin	10,000		10,000	6,633	3,367	66.3%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	709,453		709,453	567,833	141,620	80.0%
	<b>Total Payroll Costs</b>	<b>1,716,805</b>	<b>-</b>	<b>1,716,805</b>	<b>1,343,081</b>	<b>373,724</b>	<b>78.2%</b>
<b>Other Expenses</b>							
01-5018-04-00-00	Public Notices/ Public Relations	1,400		1,400	-	1,400	0.0%
01-6101-04-00-00	HR Recruitment & Employee Relations	21,200		21,200	17,775	3,425	83.8%
01-6102-04-00-00	Subscriptions	3,243		3,243	2,206	1,037	68.0%
01-6200-04-00-00	Management Support Services	112,500	92,391	204,891	139,797	65,094	68.2% (1)
01-6201-04-00-00	Audit	40,000		40,000	20,000	20,000	50.0%
01-6202-04-00-00	Legal	250,000		250,000	205,664	44,336	82.3% (2)
01-6204-04-00-00	Postage	2,319		2,319	1,615	704	69.6%
01-6223-04-00-00	Office Supplies - Admin	8,471		8,471	4,228	4,243	49.9%
01-6224-04-00-00	Office Equipment Admin or IT	8,000		8,000	351	7,649	4.4%
01-6234-04-00-00	Memberships & Trainings	89,520		89,520	67,251	22,269	75.1%
01-6239-04-00-00	Travel & Conference	20,800		20,800	22,668	(1,868)	109.0%
01-6240-04-00-00	Scholarship Sponsorship	1,000		1,000	-	1,000	0.0%
01-6241-04-00-00	Education Reimbursement	-		-	3,000	(3,000)	0.0%
01-6310-04-00-00	Miscellaneous	20,000		20,000	19,990	10	99.9%
01-6311-04-00-00	Mileage	1,000		1,000	731	269	73.1%
01-6317-04-00-00	Contract Services Misc	4,936		4,936	4,072	865	82.5%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	141,240		141,240	78,909	62,331	55.9%
01-6601-04-00-00	Shipping/Freight	1,500		1,500	3,305	(1,805)	220.4%
01-6705-04-00-00	Monthly Car Allowance	12,000		12,000	10,015	1,985	83.5%
	<b>Total Other Expenses</b>	<b>739,130</b>	<b>92,391</b>	<b>831,521</b>	<b>601,578</b>	<b>229,944</b>	<b>72.3%</b>
<b>Total Expenses</b>		<b>2,455,935</b>	<b>92,391</b>	<b>2,548,326</b>	<b>1,944,659</b>	<b>603,667</b>	<b>76.3%</b>

\* Additional Budget disclosed during Finance Committee meeting 2/19

(1) Costs include Carollo Engineering utility cost allocation study, \$42,269, expended to date and Actuaries costs for the Long Term Liabilities Methodologies Study, \$37,792. These Board Approved Projects were not included in the Administration Budget. The Board approved a Budget increase of \$92,391 on March 7, 2019 to cover these costs

(2) Procopio Firm is anticipated to be over legal budget due to start-up work and project to evaluate changes to JPA Agreement this FY.

**South Orange County Wastewater Authority**  
**Budget vs. Actual Comparison-IT**  
For the Period Ended April 30, 2019

		<b>FY 2018-19 Budget</b>	<b>Actual</b>	<b>(Over)/Under Budget</b>	<b>% Expended</b>
<b>Salary &amp; Fringe</b>					
01-6000-05-00-00	Regular Salaries-Admin or IT	93,378	71,123	22,255	76.2%
01-6001-05-00-00	Overtime Salaries-Admin or IT	3,082	1,222	1,859	39.7%
01-6315-05-00-00	Comp Time - IT	2,332	3,142	(810)	134.7%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	67,232	53,698	13,534	79.9%
	<b>Total Salary &amp; Fringe</b>	<b>166,024</b>	<b>129,184</b>	<b>36,839</b>	<b>77.8%</b>
<b>Other Expenses</b>					
01-5028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-5035-05-00-00	Training Expense	12,000	-	12,000	0.0%
01-5037-05-00-00	Office Equipment	400	-	400	0.0%
01-5061-05-00-00	Mileage	-	498	(498)	0.0%
01-6200-05-00-00	Management Support Services	64,500	3,663	60,837	5.7%
01-6234-05-00-00	Memberships & Trainings	2,750	96	2,654	3.5%
01-6239-05-00-00	Travel & Conference	4,210	-	4,210	0.0%
01-6300-05-00-00	Software Maintenance Agreements	98,893	69,023	29,870	69.8%
01-6301-05-00-00	Hardware Maintenance Agreements	11,657	2,474	9,182	21.2%
01-6302-05-00-00	Cloud Subscriptions (Internet)	45,800	84,580	(38,780)	184.7% (1)
01-6303-05-00-00	Telecommunications	129,940	90,612	39,328	69.7%
01-6305-05-00-00	IT Professional Services	157,000	80,812	76,188	51.5%
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	46,800	55,979	(9,179)	119.6%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	43,735	24,213	19,522	55.4%
01-6308-05-00-00	IT Memberships	160	130	30	81.3%
01-6309-05-00-00	Operating Leases	55,200	40,526	14,674	73.4%
01-6310-05-00-00	Miscellaneous	5,000	329	4,671	6.6%
01-6312-05-00-00	Computer & Photocopy Supplies	2,275	1,801	474	79.1%
01-6601-05-00-00	Shipping/Freight	276	-	276	0.0%
	<b>Total Other Expenses</b>	<b>681,596</b>	<b>454,738</b>	<b>226,859</b>	<b>66.7%</b>
	<b>Total Expenses before Allocation</b>	<b>847,620</b>	<b>583,922</b>	<b>263,698</b>	<b>68.9%</b>
<b>IT Allocations (Out) to PC's &amp; Depts</b>					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(847,620)	(583,922)	(263,698)	68.9%
	<b>Total IT Allocations (Out) to PC's &amp; Depts</b>	<b>(847,620)</b>	<b>(583,922)</b>	<b>(263,698)</b>	<b>68.9%</b>

(1) Additional IT system security, not included in the budget

# Agenda Item

# 6

**Legal Counsel Review:** N/A

**Meeting Date:** May 21, 2019

**TO:** Finance Committee

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Draft Budget Review FY 2019-20

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## **Background:**

The staff and Finance Committee have been working through a series of meetings to develop for presentation at the May 23, 2019 Board Budget Workshop the FY 2019-20 Budget. The staff presented budget has a few notable changes from the prior year and the Committee provided questions and comments incorporating a few changes from the prior year as well. These include:

1. Organizational Changes: Headcount will remain at 64 FTE with minor re-organization to assist in managing plant operations. With the pending retirement of the Operations Superintendent, SOCWA will designate 2 Assistant Chief Operators to support the Plant Chiefs as they take additional responsibilities as assigned by the Director of Operations. In addition, an O&M Engineering Associate will be added to support regulatory, research, project and analytical work typically accomplished by the Superintendent. For improved oversight of maintenance, one position will change to Chief Maintenance Mechanic.
2. Cost of living was determined by March 2019 report to be 2.7%. Projected Fringe Benefit Rate is 71.9%.
3. Impact of Carollo Cost Distribution Study: As directed by the Board, the following are referenced in the Budget Assumptions.
  - a. PCs 5/24 allocation as fixed costs.
  - b. Line items will be charged to common ownership:
    - i. Standby pay
    - ii. Small vehicle fuel and expenses
    - iii. Recruitment
    - iv. Mileage reimbursements
  - c. Various Percentage distributions will change for treatment plant utilized Ferric Chloride, Electricity, and Natural Gas.
4. The Work of the Committee included evaluation of General Fund Expenses and Distributions with no change recommended for the coming year. At the request of the Finance Committee staff will review the Administrative Time Study results at the meeting.
5. A PERS/OPEB savings program was proposed and although in general agreement as to the future need (within 2 years) a savings program was not elected to begin in the coming fiscal year.
6. Policy language was added to the budget assumptions to indicate that Staff will invoice the O&M budget by quarter. Capital invoicing will be sent in Q1 in accordance with the budget and then adjusted by the Director of Engineering in accordance with an evaluation of cash flow needs to meet project contract obligations.

7. Policy language was added to the budget assumptions to indicate that SOCWA's goal in making capital investments is to ensure the facilities are operated at the lowest lifecycle cost. Equipment and materials durability and reliability are core concepts for designing, constructing, operating and maintaining SOCWA facilities. SOCWA uses applicable design guidelines, construction standards and recommended equipment and materials for corrosive, abrasive and harsh conditions that impact material durability and reliability.
8. At the recommendation of the Finance Committee the Board approved an Internship Program at their May 16, 2019 meeting. Funding for two interns has been included in the budget for summer 2019 work.

### **Agency Comments and Responses**

Member Agency comments were received from MNWD as follows:

- Continuing objection to the identification in the budget documentation of Administration Costs under separate heading. MNWD would prefer all administrative costs to be designated as General Fund expenses. MNWD does support sharing General Fund Expenses in the same ratio and distribution as FY 2018-19 (TCWD Approach).
  - Staff response: The Budget Assumptions describe the treatment within the document of administration expenses by separated information to be useful to the agencies to understand the incurred costs. The Budget Assumptions indicate the sharing of the Administration Costs as within the FAR/CAS standards for joint enterprise activities and sharing by ratio of any one agencies expenditures to total O&M. This approach was confirmed appropriate by Carollo Engineering in FY '15/'16 as assigning administrative costs to the agency incurring the cost. The TCWD approach to the General Fund has been included in the draft Budget.
- Funding UAL. MNWD supports annual advanced funding of UAL and would like to defer a savings program at this time.
  - Staff response: The Finance Committee agreed with MNWD's recommendations.
- Proposal to increase Engineering Staffing for Project Management/Inspection. MNWD did not support this recommendation of fellow Finance Committee Representative Erdman suggesting shared or contracted services as appropriate.
  - Staff response: The Engineering staffing has been planned to utilize outside contract services for the first six months of the fiscal year and recommends evaluation of needs at that time and reconsideration of options.
- Capital Funding Policy. Staff recommended billing the budget for the first two quarters of the fiscal year then making adjustments based on cash flow needs. MNWD requested that the cash flow need review take place prior to the 2<sup>nd</sup> quarter billing cycle.
  - Staff response: The Finance Committee concurred with MNWD recommendation and the same as been included as a policy statement in the Budget Assumptions.
- Addressing Power Outages: MNWD notes staff inclusion of funding in the budget to address potential power outages and suggests consideration of resource sharing for portable generator inventory.
  - Staff response: Staff will consider opportunities as suggested.

- Budget Development from Prior Year Actual: MNWD suggests utilizing prior year and projected actuals for costs in budget development.
  - Staff response. SOCWA staff concurs and has developed the budget based on prior year actuals and projected end of year expenses.
- Administrative Costs. MNWD requests additional information regarding the administrative staff time study.
  - Staff response. Staff will review at the May 21, 2019 meeting.
- Draft 10 Year Capital Plan. MNWD requests that SOCWA annually update its 10-Year Capital Plan.
  - Staff response. Based on available resources SOCWA staff will do their best to provide updating information in each coming budget year.
- Investments for UAL liabilities. MNWD requests that SOCWA avoid programs that duplicate the efforts of the Member Agencies to address unfunded liabilities.
  - Staff response. Request noted, funding has not been programmed for the coming FY Budget.
- JBL Package D design funding. MNWD requests continuing a dialogue about the need for the Package D work or portions thereof.
  - Staff response. SOCWA Engineering Staff met with MNWD representatives after the May 16, 2019 Engineering Committee meeting to discuss their concerns. Portions of Package D may be delayable for 1-year, other parts of the work may be needed to proceed.
- CTP Aeration System Updating. MNWD requests additional dialogue with PC 15 partners.
  - Staff response. Request noted.
- RTP AWT Upgrade. MNWD requests additional input to the project.
  - Staff response. SOCWA Engineering Staff met with MNWD representatives after the May 16, 2019 Engineering Committee meeting to discuss their concerns.
- RTP Lab Reconstruction. MNWD would like to see other agencies that utilize lab services contribute to these costs.
  - Staff response. A methodology for cost sharing can be discussed during the coming year with member agency staff but should not hold up the Budget.

**Recommendation:**

Information and Discussion. The Finance Committee provides comments for Board consideration at the May 23, 2019 Board Budget Workshop.





South Orange County Wastewater Authority

## Fiscal Year 2019-20 Budget

*DRAFT*



Photo by: Jim Burror



May 21, 2019

Draft

FY 2019/20

**Annual Operating Expenses & Capital Budget  
Fiscal Year 2019-20**

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**May 21, 2019**

**Draft**

**FY 2019/20**

**Annual Operating Expenses & Capital Budget  
Fiscal Year 2019-20**

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South Orange County Wastewater Authority

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## FY 2019-20 Budget

### *Transmittal Letter – May 23, 2019*

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Honorable Chairperson and Board of Directors:

Enclosed is the Fiscal Year 2019-20 Budget for the South Orange County Wastewater Authority.

The Budget proposes:

- Operations and Maintenance projected spending in the coming fiscal year of \$20,952,852, with an additional detail prepared for future planning purposes through 2023-24.
- Capital projected spending in the coming two fiscal years, \$34,084,962 in FY 2019-20 and \$24,227,339 in FY 2020-21.

The Authority's 2018-19 Accomplishments are:

#### Organizational

- Initiate discussions with Member Agencies to improve services and meet future needs by updating the JPA Agreement. Agencies desire to address Unfunded Liability and 3<sup>rd</sup> party liability concerns.
- Continued transition due to retirements of 22 long-term staff members over the last five years and successful program to hire, onboard and train new employees joining SOCWA. Successes include six CWEA Grade 5 qualified operators, additional Grade 4 qualified mechanical and laboratory personnel. In FY 2018-19, SOCWA staff achieved 10 CWEA certification step changes.
- Supporting employee educational commitments achieving Masters Degree in Public Administration (Amber Baylor), Masters Degree in Accounting (Konstantin Shilkov), Certified Professional Contract Management (Jeanette Cotinola), and Certified Safety Professional Certification (Sean Peacher).
- Performance quality and job commitment demonstrated by 3 SOCWA employees receiving recognition from Santa Ana River Basin Section of California Water Environment Association in disciplines including laboratory, electrical and mechanical. Congratulations to: Laura Watson, Gage Gesiriech, and Kristopher Luce.
- Response to significant legislative and regulatory changes including:
  - Extensive work with statewide agency partners for the development and inclusion of a California Water Quality Management System (CA QMS) within the adoption of TNI as the State Laboratory Standard. TNI as proposed for medium to small agency labs would significantly increase laboratory costs without added benefits to water quality data.
  - Participation with the County of Orange and South County MS4 Permittees in evaluation of Comprehensive Human Waste Source Reduction Strategy (response to CHWSRS draft) by proposing that science basis of plan, as applied

to SOCWA service area watersheds, needs further investigation. Draft CHWSRS Plan could negatively impact recycled water programs.

- Engaging with Wastewater Industry organizations in responding to proposed SB 332 (reduction of ocean discharges) and SB 69 (requiring denitrification protocols for POTWs). Region IX Impact Analysis for SB 332 shared with Industry Leaders.
- Full evaluation of estimated \$13.3 million in Unfunded Liabilities (UAL) for SOCWA Member Agencies by 2020 and consideration of savings options to meet the challenge.
- SOCWA is responsive to all Joint Legislative Audit Committee Recommendations, with agencies currently addressing remaining challenge to consider JPA Agreement amendment to address UAL and joint liability concerns.
- General Counsel completed review of SOCWA policies with adoption of updated CEQA Procedures, Government Claims Act Rules and Regulations, and Investment Policy.
- SOCWA continued contribution to Wastewater Industry through participations in CWEA, CSRMA, CASA, NACWA, CASA, CMFOA, CAPPO and Coalition of Accredited Labs.

#### Financial

- Reached Board level determination of annual distribution method for the Authority's Unfunded Liabilities (Pension, OPEB and Compensated Absences) to be recorded in Annual Supplemental Financial Statements.
- Supplemental Financial Statements, Net Position and Change in Net Position, completed at PC and Member Agency level using Board approved distribution methodology.
- Quarterly Cash Roll Forward implemented and supporting the return of over \$3,000,000 in closed out capital to Member Agencies.
- Timely Completion of Annual Financial Statements Audit with No Exceptions.
- Continue Internal Preparation of Financial Statements.
- Use Audit approved FY June 30, 2018 ending with process improvement for review of annual flow data.
- Reporting to the Board on the Performance of PARS OPEB Trust Fund.

#### Staff Hiring and Development

- Establish Internship Program.
- Update SOCWA Substance Abuse Policy.
- Continue training qualified employees to transition knowledge and experience.

#### Safety Program

- Continue safety program requirements completing supervisory and required training.
- Participation in WEROC and OC EOC for emergency preparedness programs.
- Participation in Water Utility Safety Managers Association and So. OC Safety Specialist for OSHA & Cal-OSHA compliance.
- SOCWA Board briefing on Regional Emergency Response Preparation.

#### Environmental Compliance

- Continuing NPDES Permit work with San Diego Regional Water Board.
- Continuing coordination with Regional Water Board and MNWD to address response to February 2017 storm events.
- Substantial progress in work with Member Agencies to prepare 5-year update to Salt and Nutrient Management Plan to assess recycled water usage and impact to groundwater basins within San Juan Basin hydrologic area.
- Continuing work with Regional Water Board on renewal for the San Diego Region Master Recycled Permit with success in decision to release ETWD and IRWD from Region IX permit.
- NACWA participation benefiting SOCWA Pretreatment Program.
- Participation in SCAP Air Quality Committee, SCAP Water Committee (Amber Baylor co-Chair), IRWM for South Orange County & San Diego Funding Area Participation, CASA Regulatory Workgroup (Amber Baylor, Chair), CWEA Lab Committee (Amber Baylor, Vice Chair).

### Engineering & Capital Improvements

- Draft 10 Year Plans Prepared: 3 Treatment Plants and 2 Outfalls.
- \$9,328,557 in capital improvement investments, including:
  - RTP Co-Generation Engine Project completed – SGIP Grants approved
  - RTP AWT Upgrade Project Design completed
  - RTP Aeration Upgrade Design completed
  - RTP Motor Control Center Design awarded
  - RTP Site Improvement Engineering Evaluation awarded
  - RTP Miscellaneous Improvements 2018/2019 bids received
  - JBL Co-Generation Engine Project completed – SGIP Grants approved
  - JBL Plant 1 Grit Basin Rehabilitation underway
  - JBL Package B design completion and construction awarded
  - CTP Facilities Improvement Project designed and bids received
  - CTP Sludge Forcemain Project approval of U.S. Fish and Wildlife Service
  - CTP Access Road 2017 Storm Emergency Repairs completed
  - CTP Miscellaneous Improvements 2017 completed
  - CTP Tertiary System Upgrades nearing completion
  - CTP Drainage Improvements Design completed
  - CTP Aeration System Evaluation completed
  - SJCOO updated modeling Dilution Performance and Lower Cost Options
  - Innovative Biosolids RFP developed & proposals received
- Capital planning, design and permitting to accomplish improvements over coming two years totaling:
  - J.B. Latham Plant \$20 million
  - Regional Treatment Plant \$17 million
  - Coastal Treatment Plant \$17 million
- Coordinated Engineering & Finance Manager Review of Open Capital Projects, Capital Cash and Opportunities to return Closed Project funds.
- Expanded Pre-Qualified Contractors list by 3 companies.

### Continuing Operational Success

- O&M costs within Annual Budget.
- Leadership to complete Carollo Engineering evaluation of Cost Distributions for all O&M line item costs.
- Leadership to complete the Biosolids Management Strategic Plan Update.
- Small Internal Capital Program investments completed at \$1,237,896.
- Installation of additional PLC (programmable logic controllers) at Treatment Plants to increase remote monitoring and control and provide data to support analysis and repair of equipment.
- Monitor development of regulation for SB1383 which could minimize SOCWA's ability to use local landfills. Draft rules appear likely to reestablish Class B land application as a management option for Biosolids statewide. The effort is in the final rulemaking process and the final rules are anticipated to be released in the Fall of 2019.
- Implemented greater staff cross-training in multiple facility operations.
- Participation in Orange Crush 2019 Earthquake Preparedness Exercise.

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The Authority's Key Initiatives for fiscal year 2019-20 include:

- Organizational future:
  - Continue to provide high quality clean water service to the communities serviced by the SOCWA with focus on Operational and Cost Efficiency.
  - Continue Member Agency work to modernize JPA, PC Agreements to meet current and future Member Agency needs.
  - Complete final State Audit recommendations to address JPA Agreement and allocate Unfunded Liabilities (PERS, OPEB, Compensated Absences).
- Environmental Compliance future:
  - Completion of Regional Board Permitting for Outfalls and Recycled Water Orders.
  - Completion of the Update to the Salt & Nutrient Management Plan.
- Capital Improvements:
  - Engineering Department Staffing Changes.
  - Master Plan Decisions for 3 Treatment Plants.
  - Accomplish Capital Project Design and Construction Goals.
  - Evaluate Biosolids Innovation Proposals.
  - Continue PC meetings to determine future Plant utilization by Member Agencies.
- Operations Improvements:
  - Achieve identified O&M Safety Improvements at each Plant.
  - Continue monitoring Biosolids Disposal regulatory decisions.
  - Continue to add operational efficiency using additional SCADA and technology.
  - Continue operational/mechanical cross training for service at all Plants.
  - Expand staff knowledge to support the CoGen Engines with SOCWA staff labor.
  - Continue staff knowledge transition addressing pending retirement of Operations Superintendent.
- Continuing Administration Improvements:
  - Improve systems and procedures to gain accuracy and streamline preparation agendas/minutes/compliance documentation.
- Continuing Industry Participations taking advantage of opportunities to better efficiency and performance of staff.

The Authority's staff continue to work in a responsive manner to meet Member Agency needs. Staff is highly skilled and dedicated to ensuring that the Authority continues to move forward in providing quality and timely services at a fair cost to our member agencies.

SOCWA's fiscal year 2019-20 budget will increase by \$538 thousand over projected actuals for 2018-19 or 2.6% primarily due to payroll cost increases: 3% Merit and 2.7% COLA per negotiated MOU. The Authority calculation of fringe rate will remain stable at 71.9%. Authority staff will reduce costs by funding PERS annual UAL at the beginning of the fiscal year.

The coming fiscal year will continue to require attention to areas such as the management of lower flows and an increase in solids at all plants. As well, the staff will continue working with member agencies to improve production reliability of recycled water.

SOCWA is requesting the Board of Directors to adopt the FY 2019-20 Budget.

Sincerely,

*Betty Burnett*

General Manager



**South Orange County Wastewater Authority  
Total Budget by Member Agency  
(SOCWA Total Cost Base/All Costs)**

	<b>FY 2015-16 Actual</b>	<b>FY 2016-17 Actual</b>	<b>Change %</b>	<b>FY 2017-18 Actual</b>	<b>Change %</b>	<b>FY 2018-19 Forecast</b>	<b>Change %</b>	<b>FY 2019-20 Budget</b>	<b>Change %</b>
<b>O&amp;M Budget by Member Agency</b>									
City of Laguna Beach	1,927,334	1,984,598	3.0%	1,991,775	0.4%	2,276,487	14.3%	2,393,230	5.1%
City of San Clemente	96,253	135,201	40.5%	156,322	15.6%	165,677	6.0%	146,590	-11.5%
City of San Juan Capistrano	1,868,009	1,995,575	6.8%	2,158,791	8.2%	2,024,022	-6.2%	2,162,042	6.8%
El Toro Water District	731,459	728,928	-0.3%	804,371	10.3%	876,422	9.0%	882,540	0.7%
Emerald Bay Service District	85,067	81,796	-3.8%	125,522	53.5%	148,917	18.6%	154,421	3.7%
Irvine Ranch Water District	127,723	147,885	15.8%	167,911	13.5%	218,810	30.3%	163,738	-25.2%
Moulton Niguel Water District	8,393,893	8,275,402	-1.4%	8,501,212	2.7%	8,830,844	3.9%	8,954,827	1.4%
Santa Margarita Water District	1,808,872	2,064,755	14.1%	1,897,222	-8.1%	2,155,873	13.6%	2,136,730	-0.9%
South Coast Water District	3,317,016	3,491,792	5.3%	3,394,390	-2.8%	3,675,965	8.3%	3,915,367	6.5%
Trabuco Canyon Water District	20,940	22,776	8.8%	56,154	146.6%	41,959	-25.3%	43,367	3.4%
<b>Total O&amp;M Budget by Member Agency</b>	<b>18,376,566</b>	<b>18,928,708</b>	<b>3.0%</b>	<b>19,253,672</b>	<b>1.7%</b>	<b>20,414,976</b>	<b>6.0%</b>	<b>20,952,852</b>	<b>2.6%</b>

In Comparison to SOCWA's FY 2018-19 Forecast, FY 2019-20 Budget will increase by \$538 thousand or 2.6% primarily due to:

- Payroll Costs Increase, \$965 thousand due to:
  1. Fringe benefits, \$340 thousand, primarily pension costs
  2. Vacancies filled in open Operations positions, \$312 thousand
  3. 3% average Merit Increase, \$165 thousand
  4. 2.7% COLA (Cost of Living Adjustment per MOU), \$144 thousand.
- The payroll costs increase was offset by reductions in various operating expenses:
  1. Engineering Miscellaneous moved to Non-Capital Engineering, \$174 thousand
  2. Contract Services, \$174 thousand
  3. Utilities, \$57 thousand
  4. Biosolids hauling and disposal, \$45 thousand
- Other Increased Costs are:
  1. Chemicals, \$206 thousand
  2. Maintenance of Equipment and facilities, \$20 thousand



**South Orange County Wastewater Authority  
5-Year Budget by Member Agency  
(SOCWA Total Cost Base/All Costs)**

**(Final Budget will include 5 Year Plan)**

	<b>FY 2015-16 Actual</b>	<b>FY 2016-17 Actual</b>	<b>Change %</b>	<b>FY 2017-18 Actual</b>	<b>Change %</b>	<b>*FY 2018-19 Forecast</b>	<b>Change %</b>	<b>FY 2019-20 Budget</b>	<b>Change %</b>
<b>O&amp;M Budget by Member Agency</b>									
City of Laguna Beach	1,927,334	1,984,598	3.0%	1,991,775	0.4%	2,276,487	14.3%	2,393,230	5.1%
City of San Clemente	96,253	135,201	40.5%	156,322	15.6%	165,677	6.0%	146,590	-11.5%
City of San Juan Capistrano	1,868,009	1,995,575	6.8%	2,158,791	8.2%	2,024,022	-6.2%	2,162,042	6.8%
El Toro Water District	731,459	728,928	-0.3%	804,371	10.3%	876,422	9.0%	882,540	0.7%
Emerald Bay Service District	85,067	81,796	-3.8%	125,522	53.5%	148,917	18.6%	154,421	3.7%
Irvine Ranch Water District	127,723	147,885	15.8%	167,911	13.5%	218,810	30.3%	163,738	-25.2%
Moulton Niguel Water District	8,393,893	8,275,402	-1.4%	8,501,212	2.7%	8,830,844	3.9%	8,954,827	1.4%
Santa Margarita Water District	1,808,872	2,064,755	14.1%	1,897,222	-8.1%	2,155,873	13.6%	2,136,730	-0.9%
South Coast Water District	3,317,016	3,491,792	5.3%	3,394,390	-2.8%	3,675,965	8.3%	3,915,367	6.5%
Trabuco Canyon Water District	20,940	22,776	8.8%	56,154	146.6%	41,959	-25.3%	43,367	3.4%
<b>Total O&amp;M Budget by Member Agency</b>	<b>18,376,566</b>	<b>18,928,708</b>	<b>3.0%</b>	<b>19,253,672</b>	<b>1.7%</b>	<b>20,414,976</b>	<b>6.0%</b>	<b>20,952,852</b>	<b>2.6%</b>

**South Orange County Wastewater Authority**  
**5-Year Budget by Member Agency including details of**  
**Administration, Residual Engineering and General Fund Allocation**

<b>(Final Budget will include 5 Year Plan)</b>									
	<b>FY 2015-16</b>	<b>FY 2016-17</b>	<b>Change</b>	<b>FY 2017-18</b>	<b>Change</b>	<b>FY 2018-19</b>	<b>Change</b>	<b>FY 2019-20</b>	<b>Change</b>
	<b>Actual</b>	<b>Actual</b>	<b>%</b>	<b>Actual</b>	<b>%</b>	<b>Forecast</b>	<b>%</b>	<b>Budget</b>	<b>%</b>
<b>O&amp;M &amp; Environmental, Safety Expenses</b>									
City of Laguna Beach	1,704,854	1,739,148	2.0%	1,701,896	-2.1%	1,953,288	14.8%	2,056,880	5.3%
City of San Clemente	86,209	118,480	37.4%	95,461	-19.4%	119,409	25.1%	102,844	-13.9%
City of San Juan Capistrano	1,673,090	1,748,767	4.5%	1,848,072	5.7%	1,730,762	-6.3%	1,853,088	7.1%
El Toro Water District	655,134	638,776	-2.5%	662,650	3.7%	732,560	10.6%	738,396	0.8%
Emerald Bay Service District	76,191	71,680	-5.9%	68,504	-4.4%	78,015	13.9%	83,372	6.9%
Irvine Ranch Water District	114,396	129,595	13.3%	105,604	-18.5%	152,930	44.8%	104,772	-31.5%
Moulton Niguel Water District	7,518,023	7,251,922	-3.5%	7,399,121	2.0%	7,703,781	4.1%	7,814,548	1.4%
Santa Margarita Water District	1,620,123	1,809,391	11.7%	1,619,140	-10.5%	1,846,978	14.1%	1,830,776	-0.9%
South Coast Water District	2,970,898	3,059,936	3.0%	2,929,500	-4.3%	3,160,189	7.9%	3,372,268	6.7%
Trabuco Canyon Water District	18,755	19,959	6.4%	7,791	-61.0%	23,673	203.8%	25,040	5.8%
<b>Total O&amp;M Budget</b>	<b>16,437,673</b>	<b>16,587,654</b>	<b>0.9%</b>	<b>16,437,739</b>	<b>-0.9%</b>	<b>17,501,585</b>	<b>6.5%</b>	<b>17,981,984</b>	<b>2.7%</b>
<b>Member Agency Administration and Residual Engineering Expenses Allocation Percentages</b>									
City of Laguna Beach	10.4%	10.5%		10.4%		11.2%		11.4%	
City of San Clemente	0.5%	0.7%		0.6%		0.7%		0.6%	
City of San Juan Capistrano	10.2%	10.5%		11.2%		9.9%		10.3%	
El Toro Water District	4.0%	3.9%		4.0%		4.2%		4.1%	
Emerald Bay Service District	0.5%	0.4%		0.4%		0.4%		0.5%	
Irvine Ranch Water District	0.7%	0.8%		0.6%		0.9%		0.6%	
Moulton Niguel Water District	45.7%	43.7%		45.0%		44.0%		43.5%	
Santa Margarita Water District	9.9%	10.9%		9.9%		10.6%		10.2%	
South Coast Water District	18.1%	18.4%		17.8%		18.1%		18.8%	
Trabuco Canyon Water District	0.1%	0.1%		0.0%		0.1%		0.1%	
<b>Total Allocation Percentages</b>	<b>100.0%</b>	<b>100.0%</b>		<b>100.0%</b>		<b>100.0%</b>		<b>100.0%</b>	
<b>Residual Engineering Expenses</b>	199,826	344,018		414,966		457,455		457,508	0.0%
<b>Administration Expenses</b>	1,715,207	1,997,037		2,400,967		2,455,935		2,513,360	2.3%
<b>Less General Fund</b>				(472,524)		(558,757)		(553,533)	-0.9%
<b>Total Administration and Residual Engineering Expenses</b>	<b>1,915,033</b>	<b>2,341,055</b>		<b>2,343,409</b>		<b>2,354,633</b>		<b>2,417,335</b>	<b>2.7%</b>
<b>State Revolving Loan (Laguna Beach)</b>	<b>23,860</b>								

**South Orange County Wastewater Authority**  
**5-Year Budget by Member Agency including details of**  
**Administration, Residual Engineering and General Fund Allocation**

**(Final Budget will include 5 Year Plan)**

	FY 2015-16 Actual	FY 2016-17 Actual	Change %	FY 2017-18 Actual	Change %	FY 2018-19 Forecast	Change %	FY 2019-20 Budget	Change %
<b>Member Agency Administration and Residual Engineering Expenses and Percent Change Year over Year</b>									
City of Laguna Beach	198,620	245,450	23.6%	242,627	-1.2%	262,792	8.3%	276,508	5.2%
City of San Clemente	10,044	16,721	66.5%	13,609	-18.6%	16,065	18.0%	13,825	-13.9%
City of San Juan Capistrano	194,919	246,808	26.6%	263,466	6.7%	232,854	-11.6%	249,112	7.0%
El Toro Water District	76,325	90,152	18.1%	94,469	4.8%	98,557	4.3%	99,263	0.7%
Emerald Bay Service District	8,876	10,116	14.0%	9,766	-3.5%	10,496	7.5%	11,208	6.8%
Irvine Ranch Water District	13,327	18,290	37.2%	15,055	-17.7%	20,575	36.7%	14,085	-31.5%
Moulton Niguel Water District	875,870	1,023,481	16.9%	1,054,839	3.1%	1,036,454	-1.7%	1,050,517	1.4%
Santa Margarita Water District	188,749	255,364	35.3%	230,829	-9.6%	248,489	7.7%	246,113	-1.0%
South Coast Water District	346,118	431,856	24.8%	417,638	-3.3%	425,166	1.8%	453,337	6.6%
Trabuco Canyon Water District	2,185	2,817	28.9%	1,111	-60.6%	3,185	186.7%	3,366	5.7%
<b>Total Administration and Residual Engineering Expenses</b>	<b>1,915,033</b>	<b>2,341,055</b>	<b>22.2%</b>	<b>2,343,409</b>	<b>0.1%</b>	<b>2,354,633</b>	<b>0.5%</b>	<b>2,417,335</b>	<b>2.7%</b>

Member Agency General Fund Expenses and Member Agencies Distribution Percentages						
City of Laguna Beach	47,252	10.0%	60,406	10.8%	59,841	10.8%
City of San Clemente	47,252	10.0%	30,203	5.4%	29,921	5.4%
City of San Juan Capistrano	47,252	10.0%	60,406	10.8%	59,841	10.8%
El Toro Water District	47,252	10.0%	45,305	8.1%	44,881	8.1%
Emerald Bay Service District	47,252	10.0%	60,406	10.8%	59,841	10.8%
Irvine Ranch Water District	47,252	10.0%	45,305	8.1%	44,881	8.1%
Moulton Niguel Water District	47,252	10.0%	90,609	16.2%	89,762	16.2%
Santa Margarita Water District	47,252	10.0%	60,406	10.8%	59,841	10.8%
South Coast Water District	47,252	10.0%	90,609	16.2%	89,762	16.2%
Trabuco Canyon Water District	47,252	10.0%	15,102	2.7%	14,960	2.7%
Total Member Agency	472,524	100.0%	558,757	100.0%	553,533	100.0%

<b>*Member Agency Administration, Residual Engineering and General Fund Expenses and Percent Change Year over Year</b>									
City of Laguna Beach	198,620	245,450	23.6%	289,879	18.1%	323,198	11.5%	336,350	4.1%
City of San Clemente	10,044	16,721	66.5%	60,862	264.0%	46,268	-24.0%	43,746	-5.5%
City of San Juan Capistrano	194,919	246,808	26.6%	310,719	25.9%	293,260	-5.6%	308,954	5.4%
El Toro Water District	76,325	90,152	18.1%	141,722	57.2%	143,862	1.5%	144,144	0.2%
Emerald Bay Service District	8,876	10,116	14.0%	57,018	463.6%	70,902	24.3%	71,049	0.2%
Irvine Ranch Water District	13,327	18,290	37.2%	62,308	240.7%	65,880	5.7%	58,966	-10.5%
Moulton Niguel Water District	875,870	1,023,481	16.9%	1,102,091	7.7%	1,127,063	2.3%	1,140,279	1.2%
Santa Margarita Water District	188,749	255,364	35.3%	278,081	8.9%	308,895	11.1%	305,954	-1.0%
South Coast Water District	346,118	431,856	24.8%	464,890	7.6%	515,776	10.9%	543,099	5.3%
Trabuco Canyon Water District	2,185	2,817	28.9%	48,363	1616.9%	18,286	-62.2%	18,327	0.2%
<b>Total Member Agency</b>	<b>1,915,033</b>	<b>2,341,055</b>	<b>22.2%</b>	<b>2,815,933</b>	<b>20.3%</b>	<b>2,913,391</b>	<b>3.5%</b>	<b>2,970,868</b>	<b>2.0%</b>

**South Orange County Wastewater Authority**  
**5-Year Budget by Member Agency including details of**  
**Administration, Residual Engineering and General Fund Allocation**

**(Final Budget will include 5 Year Plan)**

	<b>FY 2015-16</b>	<b>FY 2016-17</b>	<b>Change</b>	<b>FY 2017-18</b>	<b>Change</b>	<b>FY 2018-19</b>	<b>Change</b>	<b>FY 2019-20</b>	<b>Change</b>
	<b>Actual</b>	<b>Actual</b>	<b>%</b>	<b>Actual</b>	<b>%</b>	<b>Forecast</b>	<b>%</b>	<b>Budget</b>	<b>%</b>
<b>Total O&amp;M Budget by Member Agency, O&amp;M, Administration, Residual Engineering and General Fund and Percent Change Year over Year</b>									
City of Laguna Beach	1,927,334	1,984,598	3.0%	1,991,775	0.4%	2,276,487	14.3%	2,393,230	5.1%
City of San Clemente	96,253	135,201	40.5%	156,322	15.6%	165,677	6.0%	146,590	-11.5%
City of San Juan Capistrano	1,868,009	1,995,575	6.8%	2,158,791	8.2%	2,024,022	-6.2%	2,162,042	6.8%
El Toro Water District	731,459	728,928	-0.3%	804,371	10.3%	876,422	9.0%	882,540	0.7%
Emerald Bay Service District	85,067	81,796	-3.8%	125,522	53.5%	148,917	18.6%	154,421	3.7%
Irvine Ranch Water District	127,723	147,885	15.8%	167,911	13.5%	218,810	30.3%	163,738	-25.2%
Moulton Niguel Water District	8,393,893	8,275,402	-1.4%	8,501,212	2.7%	8,830,844	3.9%	8,954,827	1.4%
Santa Margarita Water District	1,808,872	2,064,755	14.1%	1,897,222	-8.1%	2,155,873	13.6%	2,136,730	-0.9%
South Coast Water District	3,317,016	3,491,792	5.3%	3,394,390	-2.8%	3,675,965	8.3%	3,915,367	6.5%
Trabuco Canyon Water District	20,940	22,776	8.8%	56,154	146.6%	41,959	-25.3%	43,367	3.4%
<b>Total O&amp;M Budget</b>	<b>18,376,566</b>	<b>18,928,708</b>	<b>3.0%</b>	<b>19,253,672</b>	<b>1.7%</b>	<b>20,414,976</b>	<b>6.0%</b>	<b>20,952,852</b>	<b>2.6%</b>

\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed to Project Committees on page 30.

**South Orange County Wastewater Authority  
5-Year Total Cost Base  
Cost Drivers Prioritized by Major Expenditures  
(SOCWA Total Cost Base)**

**(Final Budget will include 5 Year Plan)**

	<b>FY 2015-16 Actual</b>	<b>Mix %</b>	<b>FY 2016-17 Actual</b>	<b>Mix %</b>	<b>FY 2017-18 Actual</b>	<b>Mix %</b>	<b>FY 2018-19 Forecast</b>	<b>Mix %</b>	<b>FY 2019-20 Budget</b>	<b>Mix %</b>
Payroll Costs Including Fringe Benefits	9,042,308	49.2%	9,721,033	51.4%	9,638,158	50.1%	9,889,825	48.4%	10,854,730	51.8%
Chemicals	1,497,173	8.1%	1,381,568	7.3%	1,500,539	7.8%	1,472,128	7.2%	1,677,992	8.0%
Utilities	1,410,964	7.7%	1,663,124	8.8%	1,996,791	10.4%	1,431,048	7.0%	1,374,064	6.6%
Biosolids Hauling and Disposal	1,477,697	8.0%	1,481,192	7.8%	1,322,804	6.9%	1,400,000	6.9%	1,355,004	6.5%
Maintenance - Equip. & Facilities	1,250,934	6.8%	1,111,944	5.9%	1,439,933	7.5%	2,118,309	10.4%	2,138,008	10.2%
IT	600,405	3.3%	540,227	2.9%	610,194	3.2%	617,096	3.0%	620,220	3.0%
Environmental & Safety	917,282	5.0%	970,609	5.1%	724,059	3.8%	984,536	4.8%	1,002,612	4.8%
Engineering Misc	321,482	1.7%	103,820	0.5%	44,434	0.2%	175,004	0.9%	1,000	0.0%
Management Support Services	300,550	1.6%	312,617	1.7%	296,315	1.5%	345,932	1.7%	324,812	1.6%
IT Direct			296,159	1.6%	500	0.0%				
Contract Services - Misc	286,078	1.6%	204,068	1.1%	282,098	1.5%	379,948	1.9%	205,496	1.0%
Audit & Legal	233,694	1.3%	264,840	1.4%	360,983	1.9%	317,000	1.6%	323,352	1.5%
Facilities	208,757	1.1%	238,640	1.3%	195,862	1.0%	292,020	1.4%	268,996	1.3%
Insurance	144,644	0.8%	160,192	0.8%	208,092	1.1%	145,132	0.7%	210,096	1.0%
Grit Hauling	141,376	0.8%	120,132	0.6%	121,142	0.6%	134,004	0.7%	128,252	0.6%
Engineering transfer to Capital	(330,338)	-1.8%	(297,202)	-1.6%	(330,702)	-1.7%	(353,512)	-1.7%	(388,534)	-1.9%
Other Miscellaneous	873,561	4.8%	655,745	3.5%	842,471	4.4%	1,066,505	5.2%	856,752	4.1%
<b>Total SOCWA Cost Base</b>	<b>18,376,566</b>	<b>100.0%</b>	<b>18,928,708</b>	<b>100.0%</b>	<b>19,253,672</b>	<b>100.0%</b>	<b>20,414,976</b>	<b>100.0%</b>	<b>20,952,852</b>	<b>100.0%</b>

<b>Cost Drivers</b>	<b>16,818,794</b>	<b>17,286,134</b>	<b>17,573,227</b>	<b>18,433,878</b>	<b>19,348,442</b>
<b>% Total Cost Base</b>	<b>91.5%</b>	<b>91.3%</b>	<b>91.3%</b>	<b>90.3%</b>	<b>92.3%</b>

**Over 90% of SOCWA's Cost Base (Total Costs ) are in the above highlighted group.**

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**\*The above capital costs are allocated to member agencies based on project committees' agreement.**



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May 21, 2019

**Budget Assumptions  
South Orange County Wastewater Authority  
Fiscal Year 2019-20**

Fiscal Year 2019-20 with projections through 2023-24, 5 Years

1. The consolidated operations budget is divided into “Functional Departments”
  - a) Operations
  - b) Engineering (Capital and Non-Capital)
  - c) Environmental Compliance and Safety
  - d) Information Technology (IT)
  - e) Administration
  - f) General Fund (shown individually and as a part of Administration)

All functional departments reside within the Operations and Maintenance (O&M) costs and are distributed by Project Committees and Member Agencies.

The Administration department is a service center providing support to Operations, Engineering, Environmental Compliance and Capital Projects. Therefore, these costs are distributed by Project Committees and Member Agencies based on O & M Direct Costs.

Administrative Services include the following:

- Payroll
  - Accounts Payable
  - Contracts and Procurement
  - Human Resources (HR)
  - Financial Reporting
  - Financial Audits
  - Budgets & Use Audits
  - JPA Compliance
  - Clerk of the Board
  - Administrative Services
2. The FY Budget establishes the Board approved allocations used for the purpose of collecting the O&M and Capital deposits from Member Agencies. After the close of the fiscal year, the Use Audit is prepared, and the approved allocations are then adjusted to reflect actual labor time spent, actual liquids and solids treated, or actual purpose of the expense accumulated (if incurred for a single agency or group of agencies that is less than a full PC group) (“Actual Expenses”). Actual Expenses will be included in the fiscal year use audit to determine under/over payments by member agencies.

3. Each Department Manager provided:

- a) Headcount requirements for the 5-year budget period, inclusive of new hires, retirements, promotions, succession planning, etc. The staffing plan takes into account known and anticipated retirements, and costs for labor are projected based on filling open positions.

Due to the retirement of over two-thirds of the Operations Senior Level personnel over the last several years; the majority of the Operations staff is new to the Authority and are in training.

In order to balance the workforce training and supervision with seasoned personnel, FY 2019-20 budget includes a minor re-organization within operations to assist in managing plant operations.

The operations reorganization will not increase headcount from FY 2018-19 level.

The Authority overall headcount of 64 will remain flat with the prior fiscal year budget, FY 2018-19. In FY 2020-2021, overall headcount is anticipated to drop to 61 FTE.

Headcount									
Department	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Budget	FY 2019-20 Budget	FY 2020-21 Budget	FY 2021-22 Budget	FY 2022-23 Budget	FY 2023-24 Budget
Operations	40	39	42	42	42	40	40	40	40
Environmental Compliance & Safety	10	10	9	9	9	9	9	9	9
Engineering	2	3	3	3	3	3	3	3	3
Administration	7	7	9	9	9	8	8	8	8
IT	1	1	1	1	1	1	1	1	1
<b>Total</b>	<b>60</b>	<b>60</b>	<b>64</b>	<b>64</b>	<b>64</b>	<b>61</b>	<b>61</b>	<b>61</b>	<b>61</b>
<b>FY 2017-18 Budget</b>	<b>60</b>	<b>61</b>	<b>64</b>	<b>65</b>	<b>63</b>	<b>62</b>	<b>62</b>		

4. Operations and Environmental Compliance and Safety budgets were built at the Project Committee level.
  - a) Payroll costs were allocated to Project Committees based on future projections of where each individual employee would work. Individual employees support multiple Project Committees/Work Sites; therefore, percentages were used to allocate time by project committee.
  - b) Non-labor costs are based on prior actuals, contractual agreements, expected inflation increases, current year run rates and projected impacts from capital projects.
5. Engineering costs were split between Capital Projects and Administration and other Non-Capital Engineering work based on how the Department spends time.
6. In addition to liquid flow rates, solids loading, and common costs (typically shared equally between liquids and solids), labor time spent (as actually occurred in FY 2018-19) is used to calculate some expense allocations to agencies. As an example, O&M labor expended for work on Co-Gen engines at JBL and RTP during 2018-19 will be reduced due to the completion of the construction and time will be repurposed to preventative and ongoing maintenance.

Projected Operational Cost changes are based on:

- a) Flows and loads are based on results of FY end 2018 use audit with the exception of PC 2 (JBL) solids which will be based on the past 3-year average (as directed by PC 2 in April 2017) and agreement between SMWD and MNWD to continue flow for MNWD from Oso-Trabuco line at 1.4 mgd. The agreement also directs staff to assume that MNWD's solids are based on the influent strength of the sewage to the 3A Plant with the balance of the solids being attributed to SMWD.
- b) CPUC projected rate increases are used to calculate most utility cost changes, and for Co-Gen engine operations actual operating results will be used as the basis for projecting electricity and natural gas costs.
- c) Cogen engine maintenance costs will be reduced to match actual experience gained during the first full year of operations:
  - PC 2 JB Latham       \$485,000 to \$370,000
  - PC 17 Regional       \$650,000 to \$588,000
- d) Inflation for Non-labor expenses will be assumed at 2.5%.
- e) Long-term contract rates will be used for contracted supplies and services.

7. Payroll costs include salaries and wages plus fringe benefits.

- a) For purposes of applying salary adjustments pursuant to Section 4 Compensation (C) of the Memorandum of Understanding between the South Orange County Wastewater Authority and the SOCWA Employee Association, SOCWA will be utilizing the Los Angeles-Long Beach-Anaheim CPI-U Index published by the Bureau of Labor Statistics of the United States Department of Labor as that is the closest index to the one that was referenced in the MOU ("Los Angeles-Riverside-Orange County"). This change is necessitated by the Bureau of Labor Statistics removal of Riverside from the prior index. Riverside will now have its own separate index. Since SOCWA is in Orange County, the index reflects CPI in a portion of Orange County. Labor inflation based on this CPI will result in a 2.7% Cost of Living Adjustment (COLA) in July for all employees.

The 2018-19 Salary Range Summary, Job Classification Salary Schedule and Organizational Chart are added to the Employee Association MOU (2017-2020) and Employee Manual by Resolutions 2018-05 and 2018-06 respectively and are incorporated here by reference.

- b) An average 3% merit increase for all employees
- c) PERS retirement was calculated using the CalPERS provided "Employer Normal Cost Rate" which is applied to pensionable payroll dollars.

<b>Employer Normal Cost Rate FY 2019-20</b>				
<b>Pension Plans</b>	<b>Annual % of Payroll</b>	<b>Pensionable Payroll \$'s</b>	<b>Employer's Normal Costs</b>	<b>Increase/ (Decrease)</b>
Tier 1 Classic	11.432%	\$3,469,774	\$396,665	
Tier 2 Classic	10.221%	963,923	98,523	
Tier 3 PEPRA	6.985%	1,843,854	128,793	
<b>Total</b>		<b>\$6,277,551</b>	<b>\$623,980</b>	<b>7.3%</b>
<b>FY 18-19 Budget</b>			<b>\$581,590</b>	

- d) The Authority will pay the Annual Lump Sum Payment Option for Unfunded Pension Liability rather than monthly payments; resulting in interest savings of \$30,891.

<b>Unfunded Pension Liability Required Annual Payment FY 2019-20</b>					
<b>Pension Plans</b>	<b>Annual Lump Sum Payment</b>	<b>Monthly Payments</b>	<b>Annual Interest Savings</b>	<b>Increase/ (Decrease)</b>	<b>Without Savings</b>
Tier 1 Classic	\$860,906	\$891,568	\$30,662		
Tier 2 Classic	3,472	3,596	\$124		
Tier 3 PEPRA	2,959	3,065	\$106		
<b>Total</b>	<b>\$867,337</b>	<b>\$898,228</b>	<b>\$30,891</b>	<b>16.6%</b>	<b>20.8%</b>
<b>FY 18-19 Budget</b>	<b>\$743,842</b>				

- e) Medicare tax, holiday, vacation, sick and personal time were calculated based on the individual employee earning rate; paid time off accruals are:

<b>Paid Time Off Accruals FY 2019-20</b>							
	<b>Holiday</b>	<b>Vacation</b>	<b>Sick</b>	<b>Personal</b>	<b>Admin</b>	<b>Total</b>	<b>Increase/ (Decrease)</b>
O&M	\$166,271	\$241,315	\$183,319	\$55,997	\$9,547	\$656,450	
Environmental	41,056	65,976	45,733	13,877	4,208	170,848	
Engr	17,512	33,797	26,080	7,919	3,411	88,720	
Admin	43,565	63,340	47,245	14,697	9,265	178,112	
IT	4,285	4,344	4,344	1,466	987	15,427	
<b>Total</b>	<b>\$272,688</b>	<b>\$408,773</b>	<b>\$306,722</b>	<b>\$93,955</b>	<b>\$27,418</b>	<b>\$1,109,556</b>	<b>4.3%</b>
<b>FY 18-19 Budget</b>						<b>\$1,063,946</b>	

- f) Group medical insurance is based on actual individual current rates and the Employer co-pay will continue under the current MOU at 95% for all plans. Standard group medical insurance increases beyond 2020 are projected at 3.3%.

Group Insurance FY 2019-20		Increase/ (Decrease)
CalPERS Health	\$751,719	
CalPERS Admin Fee	1,729	
Mutual Omaha Life Ins.	25,200	
Guardian Life Dental	102,000	
Vision Service Plan	14,400	
<b>Total Group Insurance</b>	<b>\$895,048</b>	<b>-11.0%</b>
<b>Total 18/19 Budget</b>	<b>\$1,005,463</b>	

- g) Retiree Health "PAY-AS-YOU GO" premiums are based on actual individual current rates provided by CalPERS plus 7.6% increase for the out years. The employer co-pay will continue under the current MOU at 95% for all plans.

Retiree Health Insurance FY 2019-20		Increase/ (Decrease)
CalPERS Retiree Health	\$432,348	
CalPERS Admin Fee	994	
<b>Total Retiree Health</b>	<b>\$433,343</b>	<b>4.9%</b>
<b>Total 18/19 Budget</b>	<b>\$413,056</b>	

- h) Budgeted fringe benefit rate is 71.9%, which includes costs of accrued leave, group insurances (medical, disability, retiree health), PERS, and other paid benefits (unemployment, workers' compensation, bereavement pay)

	FY 2018-19 Budget	FY 2018-19 Forecast	FY 2019-20 Budget
<b>Fringe Rate</b>	<b>72.0%</b>	<b>75.5%</b>	<b>71.9%</b>

- i) Pay for time worked rate is 88% (Direct Labor Utilization net of PTO, paid time off) and is projected based on actuals as of December 2018.



8. Administration expenses are a part of the O&M costs of each agency and are detailed in the Budget document for the purposes of allowing member agencies to track administrative costs and evaluate trends in administrative expenses. Administration expenses (net of General Fund) are applied to Member Agencies based on O&M Total Cost Input (Cost identified to a Project Committee and in some cases a Member Agency). Extraordinary and one-time O&M expenses having no administrative impact (examples: intermittent spikes in chemical or electrical costs or emergency labor), are deducted from the Total Cost Input Base. This is a FAR and CAS 410 (Federal Acquisition Regulation and Cost Accounting Standard) methodology. This approach was confirmed appropriate by outside engineering/financial review completed by Carollo Engineering in FY '15/'16. This approach assigns administrative costs to the agency incurring the cost.

a) Insurance costs are based on invoiced premiums for FY 19-20 which are in prepaid expenses as of this writing. Projections for out years are:

- i. CSRMA general liability and other, 5%, Property, 5%, Liability (PLP), 5% and Commercial Crime 5%.
- ii. Workers' Compensations estimated at 5% in the out years.

b) Training budgets are expected to remain consistent with 2018-19 budget year.

9. The General Fund Budget will be allocated in accordance with the approach agreed to by the Board of Directors for the FY 2018-19 Budget as to the costs selected to be shared from the Administration Costs into the General Fund and in like percentages as determined by approval of the Board in FY 2018-19.

Distribution to the Member Agencies in FY 2019-20 remains constant with the percentages used in FY 2018-19.

General Fund Expenses are added back to Administration for the purposes of tracking costs and showing total Administration by agency and project committee. Historically, General Fund expenses are estimated to cover costs of Board Meetings and staff costs of compliance with legally required JPA reporting and filing requirements (Form 700, Annual JPA Statements, etc.).

10. The following points were approved by the Board from the Allocation Working Group and are continued in the FY 2019-20 Budget:

- a) The budget funds continuous metering of flows upstream of the JBL Plant from the OSO Trabuco and San Juan sewer trunk lines
- b) All costs for the Pretreatment Program, including permit fees, are levied based on timesheets from the previous year except for insurance costs that are distributed equally by member agency.
- c) Individual agencies will pay Director meeting attendance fees either through SOCWA or directly to their participating director

- d) Engineering studies will continue to address future capital and capacity needs of the treatment plants
  - e) JBL Effluent Pump Station (EPS) costs will be placed in PC 2 liquids ownership category
  - f) Continue PC 2 and 15 water use allocations: 30% from solids to liquids for PC 2, 70% from common into liquids PC 15
  - g) Continue PC 15 and 17 bleach use allocations: 4% from liquids to AWT for PC 15, track system changes for PC 15 and 17
  - h) Continue PC 2 and 17 odor control allocations: 39% from solids to liquids for PC 2, 42.1% from liquids to solids for PC 17
  - i) Continue certain PC 24 costs as fixed costs: engineering misc., legal, off-shore monitoring, inspections/port cleaning and misc. equipment.
  - m) PC 2SO (12) excludes ETWD and IRWD.
11. The following points were approved by the Board in April 2019 for inclusion in the FY 2019-20 Budget consistent with the Carollo Engineering Operational Cost Distribution Analysis.
- a) All costs for the outfall PCs (5 and 24) will be allocated as fixed costs.
  - b) The following line items will be changed from labor allocations to common ownership allocations:
    - Standby Pay
    - Small Vehicle Expenses
    - Small Vehicle Fuel
    - Recruitment
    - Mileage Reimbursement
  - c) Ferric Chloride at PC2 – JBL will be changed from 80% Liquids and 20% Solids to 100% Solids
  - d) Electricity at PC15 – CTP will be changed from 94% Liquids 2.5% AWT and 3.5% Common to 100% Liquids
  - e) Natural Gas at PC15 – CTP will be changed from 95% Liquids and 5% Common to 50% Liquids and 50% Common
  - f) Ferric Chloride at PC17 – RTP will be changed from 80% Liquids and 20% Solids to 100% Solids

12. In preparation for the FY 2019-20 Budget, the Finance Committee considered investing in a program to reduce future PERS/OPEB liabilities. PERS unfunded liabilities required payments are expected to grow from \$867,337 to \$1,284,260 (\$417 thousand or 48% increase) for SOCWA Member Agencies during the 5-year budget period; however, the total Unfunded Liability Balance will only decrease by \$447 thousand or 3% due to interest payments and other factors.

The total Unfunded Liability as of June 30, 2020 is estimated at \$13 million and will be \$12.9 million at the end of the 5-year budget period if we continue making only the required minimum payments.

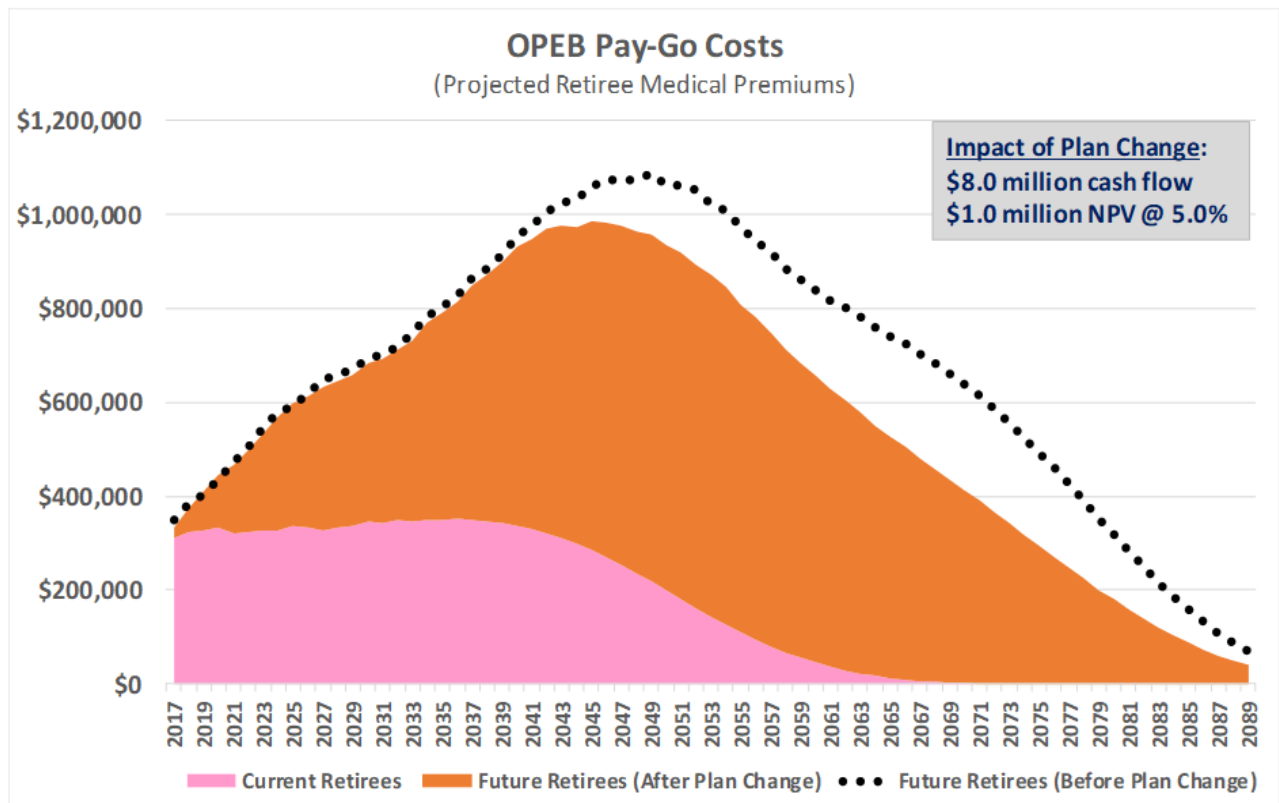
The Finance Committee supported the importance of beginning a savings plan for PERS/OPEB obligations within the next two years. A savings program was not included in the FY 2019-20 budget.

13. OPEB (Other Post-Employment Benefits) premiums are expected to grow from \$433,343 to \$580,872 (\$147 thousand or 34% increase) during the 5-year budget period.

The total OPEB liability, \$11.8 million, is expected to taper off at a faster pace due to Implementation of the Retiree Health Savings Plan (RHS) for new employees, the long-term savings is \$1 million.



# Retiree Medical “Pay-Go” Premiums



14. Staff will invoice the O&M budget by quarter as detailed in the budget. Capital Project invoicing will be sent to SOCWA Member Agencies in accordance with the Budget as approved for Q1. For each subsequent quarter, capital cost collections will be based on the budget with adjustments based on cash flow as projected by the Director of Engineering to meet project contract obligations.
15. In making O&M in capital investments SOCWA's goal is to ensure the facilities are operated at the lowest lifecycle cost. Equipment and materials durability and reliability are core concepts for designing, constructing, operating, and maintaining SOCWA facilities. SOCWA uses applicable design guidelines, construction standards and recommended equipment and materials for the corrosive, abrasive, and harsh conditions that impact material durability and reliability.

General Approval Information:

All Budgets since inception reflect the costs of direct use and costs allocated by capacity ownership for capital improvements, repairs and replacements necessary to operate within legal compliance requirements and accepted industry standards.

The signature authority levels authorized for expending the FY 2019-20 budget are in conformity with SOCWA's Uniform Purchasing Policy and Procedures, policy number, 6.2015.01, as approved by the Board on March 5, 2015 and as revised for clarification on December 28, 2017.

The Board acknowledges the above Budget assumptions as a part of the Budget preparation. Staff is authorized to contract for services, acquire supplies and pay vendors and expenses within the Functional Departments and Project Committees. Staff is authorized to follow the Budget and expend the amounts therein stated consistent with the Uniform Purchasing Policies and Procedures.

**South Orange County Wastewater Authority**  
**Summary of Cost Allocation Approaches by Project Committee**

	<b><i>O&amp;M Costs<sup>1</sup> - Variable</i></b>	<b><i>O&amp;M Costs<sup>1</sup> – Fixed</i></b>	<b><i>Capital Costs</i></b>
PC 2SO Water Reclamation Permits	Total O&M costs are split 50/50 between fixed and variable.  Allocated proportionally to each PC member based on non-potable water production and projections.	Total O&M costs are split 50/50 between fixed and variable.  Divided equally between each PC member.	Not applicable
PC 2 Jay B. Latham Plant	Per PC agreement, liquid-related costs allocated based on each PC member's average flow of prior fiscal year to plant. However, in practice, allocation is based on prior calendar year instead.  Solids- related costs allocated based on PC member's average solid loadings at plant during same period as liquid cost allocation.	Allocated to each PC member by dividing total common costs equally between liquids and solids capacities and allocating to each PC member on basis of liquid treatment capacity ownership and solids handling capacity ownership.	For facilities or equipment with a service life equal to or greater than 5 years, or a value in excess of \$1,000, costs are allocated on the basis of liquid treatment capacity ownership and/or solids treatment capacity ownership as may be applicable.
PC 3A SOCWA Plant	For liquid treatment, costs are allocated based on PC member contribution of liquids based on measured flow data.  For solids treatment, costs are allocated based on PC member contribution of solids loadings based on measured flow data and sewage strength.  For AWT facility, costs are allocated 100% to MNWD based upon sole ownership of facility.	Allocated to each PC member based on individual ownership percentage.  For AWT facility, costs are allocated 100% to MNWD based upon sole ownership of facility.	For capital costs greater than \$20,000, costs are allocated to PC members based on ownership percentages. (Agreement is silent on amounts less than \$20,000, but allocation approach is the same, per SOCWA practices.)  For AWT facility, costs are allocated 100% to MNWD based upon sole ownership of facility.
PC 5 San Juan Creek Ocean Outfall	Per PC agreement, allocated to PC members based on average annual flows, however in practice, calculated as 95% of the total variable cost times the average outfall flows. <sup>27</sup>	Allocated to PC member based on ownership via multiplication of total common costs by ownership percentage.	Allocated to PC member based on percentage ownership.

	<b><i>O&amp;M Costs<sup>1</sup> - Variable</i></b>	<b><i>O&amp;M Costs<sup>1</sup> – Fixed</i></b>	<b><i>Capital Costs</i></b>
PC 15 Coastal Treatment Plant	Allocated to PC member based on liquid flows to plant using flow data.  For AWT, allocated 100% to SCWD based on sole ownership of facility.	Allocated to PC member based on PC member ownership.  For AWT, allocated 100% to SCWD based on sole ownership of facility.	Allocated to PC members based upon capacity ownership.  For AWT, allocated 100% to SCWD based on sole ownership of facility.
PC 17 SOCWA Regional Treatment Plant	Liquid treatment costs allocated to PC member based on measured influent.  Solids treatment costs allocated to PC member based on 1) proportional solids loading from prior year, and 2) amount of solids requiring thickening sent from Coastal Treatment Plant.  For AWT, allocated 100% to MNWD based on sole ownership of facility.	Not applicable.  For AWT, allocated 100% to MNWD based on sole ownership of facility.	Allocated among PC members based upon percentage of liquids, solids and common ownership in plant.  For AWT, allocated 100% to MNWD based on sole ownership of facility.
PC 21 Effluent Transmission Main Reach B/C/D	Not applicable.	Allocated to each PC member based on percentage of ownership.	Allocated to PC member based on percentage of ownership.
PC 21 Effluent Transmission Main Reach E	Not applicable.	Allocated to each PC member based on percentage of ownership.	Allocated to PC member based on percentage of ownership.
PC 23 North Coastal Interceptor	Agreement silent on cost allocation method. Currently, all cost allocations are made by City of Laguna Beach and provided to SOCWA for budget purposes.	Agreement silent on cost allocation method. Currently, all cost allocations are made by City of Laguna Beach and provided to SOCWA for budget purposes.	Agreement silent on cost allocation method. Currently, all cost allocations are made by City of Laguna Beach and provided to SOCWA for budget purposes.
PC 24 Aliso Creek Ocean Outfall	Per PC agreement, allocated to PC members based on average annual flows, however in practice, calculated as 95% of the total variable cost times the average outfall flows.	Allocated to PC member based on ownership via multiplication of total common costs by ownership percentage.	Allocated to PC member based on percentage ownership.
Pretreatment Program	Allocated based on percentage of staff time.	Shared equally among all member agencies.	Shared equally among all member agencies.

<sup>1</sup>: Includes salaries/benefits, utilities, chemicals, outside services, and other expenses.

**South Orange County Wastewater Authority**  
**5-Year Labor Plan**  
**(Payroll Costs in thousands)**

Headcount									
Department	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Budget	FY 2019-20 Budget	FY 2020-21 Budget	FY 2021-22 Budget	FY 2022-23 Budget	FY 2023-24 Budget
Operations	40	39	42	42	42	40	40	40	40
Environmental Compliance & Safety	10	10	9	9	9	9	9	9	9
Engineering	2	3	3	3	3	3	3	3	3
Administration	7	7	9	9	9	8	8	8	8
IT	1	1	1	1	1	1	1	1	1
<b>Total</b>	<b>60</b>	<b>60</b>	<b>64</b>	<b>64</b>	<b>64</b>	<b>61</b>	<b>61</b>	<b>61</b>	<b>61</b>
<b>FY 2017-18 Budget</b>	<b>60</b>	<b>61</b>	<b>64</b>	<b>65</b>	<b>63</b>	<b>62</b>	<b>62</b>		

Payroll Costs					
3% Average Merit and 2.7% COLA (includes Fringe, Overtime & Comp Time)					
Department	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Forecast	FY 2019-20 Budget
Operations	5,978	6,199	5,888	5,776	6,551
Environmental Compliance & Safety	1,327	1,531	1,391	1,513	1,606
Engineering	407	577	675	718	745
Administration and IT	1,330	1,413	1,685	1,883	1,952
<b>Total</b>	<b>9,042</b>	<b>9,721</b>	<b>9,638</b>	<b>9,890</b>	<b>10,855</b>
<b>% Change</b>		<b>7.5%</b>	<b>-0.9%</b>	<b>2.6%</b>	<b>9.8%</b>

<b>SOCWA Cost Base</b>	<b>18,377</b>	<b>18,929</b>	<b>19,254</b>	<b>20,415</b>	<b>20,953</b>
<b>Payroll Cost Content</b>	<b>49.2%</b>	<b>51.4%</b>	<b>50.1%</b>	<b>48.4%</b>	<b>51.8%</b>

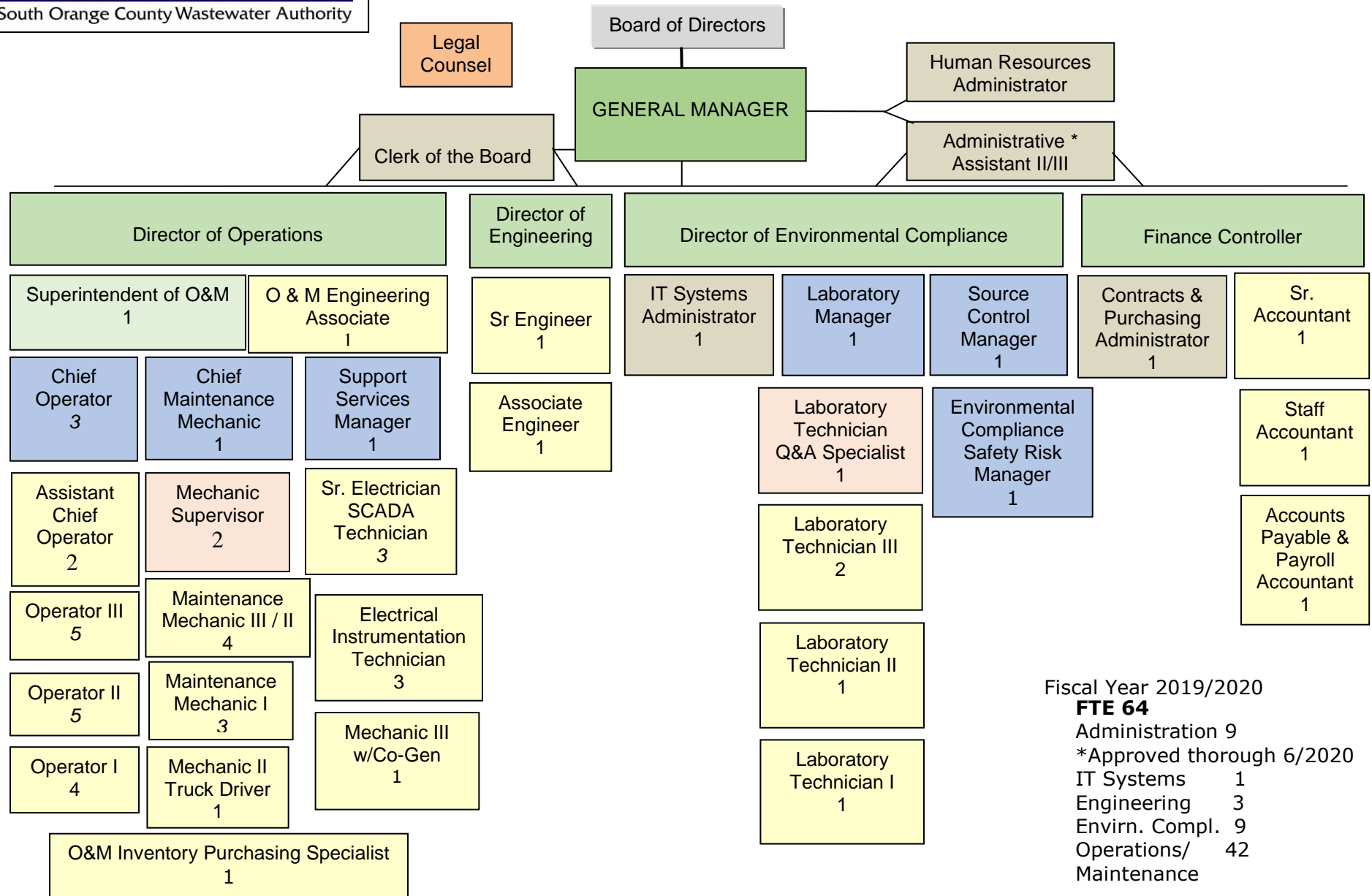


**South Orange County Wastewater Authority  
FY 19-20 thru FY 23-24 Fringe Benefits Budget**

	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Budget	FY 2018-19 Forecast	FY 2019-20 Budget	FY 2020-21 Budget	FY 2021-22 Budget	FY 2022-23 Budget	FY 2023-24 Budget
457 Plan - Employer Contribution	13,821	83,925	75,524	85,000	70,378	80,000	80,000	80,000	80,000	80,000
Accrued Administrative Leave	34,879	30,478	23,929	25,114	35,045	27,418	26,782	28,221	29,609	31,047
Accrued Holiday	221,783	220,371	234,247	257,161	240,964	272,688	268,598	282,629	295,154	307,911
Accrued Personal Leave	74,238	76,638	83,205	90,895	92,295	93,955	92,450	97,287	101,622	106,042
Accrued Sick Pay	242,262	262,987	204,767	299,485	221,135	306,722	301,823	317,609	331,752	346,171
Accrued Vacation	372,526	416,343	345,815	391,291	429,937	408,773	402,497	423,567	442,490	461,792
Bereavement Pay	1,345	8,088	10,892	8,000	9,155	8,700	8,700	8,700	8,700	8,700
Jury Duty			5,817		1,402	2,500	2,500	2,500	2,500	2,500
Disability Insurance - Private	51,728	56,122	57,924	58,373	61,745	63,648	64,921	66,219	67,544	68,895
Group Medical Insurance	948,341	1,017,679	864,239	1,005,463	930,055	895,048	924,585	955,096	986,614	1,019,172
Medicare Tax - Employer	94,167	94,550	96,326	101,154	98,618	104,301	102,881	108,217	113,013	117,907
Retiree Health Savings Program (RHS)			17,800		24,000	33,600	33,600	33,600	33,600	33,600
Retiree Health PARS Investment	500,000	504,000	210,000							
Retiree Health Benefits	281,389	384,936	354,582	413,056	423,257	433,343	466,277	501,714	539,844	580,872
Retirement - Pension Investment										
Retirement - PERS Normal Costs	517,823	500,175	504,975	581,590	562,331	623,980	656,509	690,835	721,559	752,873
Retirement - PERS Unfunded Liability	432,628	499,903	599,849	743,842	743,843	867,337	977,003	1,110,450	1,220,916	1,284,260
Unemployment Ins./Reimbursement	1,378	1,234		2,000	0	1,000				
Workers Compensation Ins.	76,883	212,990	233,538	260,000	159,453	221,020	232,071	243,675	255,859	268,652
Other Misc.										
<b>Total O&amp;M Budget Fringe Benefits Pool</b>	<b>3,865,192</b>	<b>4,370,418</b>	<b>3,923,431</b>	<b>4,322,424</b>	<b>4,103,612</b>	<b>4,444,033</b>	<b>4,641,197</b>	<b>4,950,319</b>	<b>5,230,776</b>	<b>5,470,393</b>
<b>Change in Fringe Pool</b>		13.1%	-10.2%	10.2%	4.6%	8.3%	4.4%	6.7%	5.7%	4.6%
<b>Pay for Time Worked Labor Base(Regular Salaries)</b>										
O&M		3,184,417	3,224,868	3,627,186	3,222,818	3,689,857	3,628,679	3,810,041	3,950,780	4,089,034
Environmental		815,299	789,929	883,205	817,520	930,273	975,121	1,029,484	1,086,827	1,147,363
Engineering including CIP Labor		305,422	377,076	417,610	404,259	433,316	405,423	428,025	451,888	477,080
Admin		695,744	857,635	985,352	906,683	1,030,445	973,236	1,027,494	1,084,777	1,145,253
IT		44,447	84,015	93,378	86,557	98,962	104,358	110,176	116,318	122,797
<b>Total Pay for Time Worked Labor Base</b>	<b>4,976,917</b>	<b>5,045,329</b>	<b>5,333,523</b>	<b>6,006,731</b>	<b>5,437,837</b>	<b>6,182,852</b>	<b>6,086,817</b>	<b>6,405,220</b>	<b>6,690,589</b>	<b>6,981,527</b>
<b>Fringe Rate</b>	<b>78%</b>	<b>86.6%</b>	<b>73.56%</b>	<b>72.0%</b>	<b>75.5%</b>	<b>71.9%</b>	<b>76.2%</b>	<b>77.3%</b>	<b>78.2%</b>	<b>78.4%</b>
<b>Change in Labor Base</b>		1.4%	5.7%	12.6%	2.0%	13.7%	-1.6%	5.2%	4.5%	4.3%



# FY 2019-20 Organization



Fiscal Year 2019/2020

**FTE 64**

Administration 9

\*Approved thorough 6/2020

IT Systems 1

Engineering 3

Envrn. Compl. 9

Operations/ 42

Maintenance

**South Orange County Wastewater Authority  
FY 2019-20 Budget 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
<b>O&amp;M by Project Committee and Member Agency</b>											
PC 2 - Jay B. Latham Plant	-	-	1,748,712	-	-	-	1,307,152	1,483,292	1,336,268	-	5,875,424
PC 5 - San Juan Creek Ocean Outfall	-	84,628	56,420	-	-	-	78,968	225,640	63,488	-	509,144
PC 8 - Pretreatment Program	8,288	18,216	21,236	2,848	2,876	25,640	46,712	52,608	32,992	-	211,416
PC 12 SO- Water Reclamation Permits	-	-	26,720	-	-	-	68,680	69,236	26,860	25,040	216,536
PC 15 - Coastal Treatment Plant/AWT	1,331,260	-	-	-	54,948	-	222,912	-	1,409,696	-	3,018,816
PC 17 - Joint Regional Wastewater Reclamation	662,308	-	-	653,692	21,644	-	5,870,664	-	441,388	-	7,649,696
PC 21 Effluent Transmission Main	-	-	-	304	-	304	132	-	-	-	740
PC 24 - Aliso Creek Ocean Outfall	55,024	-	-	81,552	3,904	78,828	219,328	-	61,576	-	500,212
<b>Total O&amp;M by Project Committee and Member Agency</b>	<b>2,056,880</b>	<b>102,844</b>	<b>1,853,088</b>	<b>738,396</b>	<b>83,372</b>	<b>104,772</b>	<b>7,814,548</b>	<b>1,830,776</b>	<b>3,372,268</b>	<b>25,040</b>	<b>17,981,984</b>

<b>*Total Administration, General Fund and Residual Engineering Expenses by Member Agency (calculated pages 7-9)</b>	<b>336,350</b>	<b>43,746</b>	<b>308,954</b>	<b>144,144</b>	<b>71,049</b>	<b>58,966</b>	<b>1,140,279</b>	<b>305,954</b>	<b>543,099</b>	<b>18,327</b>	<b>2,970,868</b>
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**Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	94.4%	-	-	-	16.7%	81.0%	39.6%	-	32.7%
PC 5 - San Juan Creek Ocean Outfall	-	82.3%	3.0%	-	-	-	1.0%	12.3%	1.9%	-	2.8%
PC 8 - Pretreatment Program	0.4%	17.7%	1.1%	0.4%	3.4%	24.5%	0.6%	2.9%	1.0%	-	1.2%
PC 12 SO- Water Reclamation Permits	-	-	1.4%	0.0%	-	0.0%	0.9%	3.8%	0.8%	100.0%	1.2%
PC 15 - Coastal Treatment Plant/AWT	64.7%	-	-	-	65.9%	-	2.9%	-	41.8%	-	16.8%
PC 17 - Joint Regional Wastewater Reclamation	32.2%	-	-	88.5%	26.0%	-	75.1%	-	13.1%	-	42.5%
PC 21 Effluent Transmission Main	-	-	-	0.0%	-	0.3%	0.0%	-	-	-	0.0%
PC 24 - Aliso Creek Ocean Outfall	2.7%	-	-	11.0%	4.7%	75.2%	2.8%	-	1.8%	-	2.8%
<b>Total Allocation %'s</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	291,552	-	-	-	190,736	247,884	215,204	-	945,376
PC 5 - San Juan Creek Ocean Outfall	-	35,998	9,407	-	-	-	11,523	37,708	10,225	-	104,860
PC 8 - Pretreatment Program	1,355	7,748	3,541	556	2,451	14,430	6,816	8,792	5,313	-	51,002
PC 12 SO- Water Reclamation Permits	-	-	4,455	-	-	-	10,022	11,571	4,326	18,327	48,699
PC 15 - Coastal Treatment Plant/AWT	217,693	-	-	-	46,826	-	32,527	-	227,030	-	524,076
PC 17 - Joint Regional Wastewater Reclamation	108,303	-	-	127,609	18,445	-	856,633	-	71,085	-	1,182,075
PC 21 Effluent Transmission Main	-	-	-	59	-	171	19	-	-	-	250
PC 24 - Aliso Creek Ocean Outfall	8,998	-	-	15,920	3,327	44,364	32,004	-	9,917	-	114,530

<b>Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency</b>	<b>336,350</b>	<b>43,746</b>	<b>308,954</b>	<b>144,144</b>	<b>71,049</b>	<b>58,966</b>	<b>1,140,279</b>	<b>305,954</b>	<b>543,099</b>	<b>18,327</b>	<b>2,970,868</b>
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**Total O&M Budget by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	2,040,264	-	-	-	1,497,888	1,731,176	1,551,472	-	6,820,800
PC 5 - San Juan Creek Ocean Outfall	-	120,626	65,827	-	-	-	90,491	263,348	73,713	-	614,004
PC 8 - Pretreatment Program	9,643	25,964	24,777	3,404	5,327	40,070	53,528	61,400	38,305	-	262,418
PC 12 SO- Water Reclamation Permits	-	-	31,175	-	-	-	78,702	80,807	31,186	43,367	265,235
PC 15 - Coastal Treatment Plant/AWT	1,548,953	-	-	-	101,774	-	255,439	-	1,636,726	-	3,542,892
PC 17 - Joint Regional Wastewater Reclamation	770,611	-	-	781,301	40,089	-	6,727,297	-	512,473	-	8,831,771
PC 21 Effluent Transmission Main	-	-	-	363	-	475	151	-	-	-	990
PC 24 - Aliso Creek Ocean Outfall	64,022	-	-	97,472	7,231	123,192	251,332	-	71,493	-	614,742

<b>Total O&amp;M Budget by Project Committee and Member Agency</b>	<b>2,393,230</b>	<b>146,590</b>	<b>2,162,042</b>	<b>882,540</b>	<b>154,421</b>	<b>163,738</b>	<b>8,954,827</b>	<b>2,136,730</b>	<b>3,915,367</b>	<b>43,367</b>	<b>20,952,852</b>
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\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed by Member Agency on pages 7 through 9.

**South Orange County Wastewater Authority  
Q1 FY 2019-20 Budget 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
<b>O&amp;M by Project Committee and Member Agency</b>											
PC 2 - Jay B. Latham Plant	-	-	437,178	-	-	-	326,788	370,823	334,067	-	1,468,856
PC 5 - San Juan Creek Ocean Outfall	-	21,157	14,105	-	-	-	19,742	56,410	15,872	-	127,286
PC 8 - Pretreatment Program	2,072	4,554	5,309	712	719	6,410	11,678	13,152	8,248	-	52,854
PC 12 SO- Water Reclamation Permits	-	-	6,680	-	-	-	17,170	17,309	6,715	6,260	54,134
PC 15 - Coastal Treatment Plant/AWT	332,815	-	-	-	13,737	-	55,728	-	352,424	-	754,704
PC 17 - Joint Regional Wastewater Reclamation	165,577	-	-	163,423	5,411	-	1,467,666	-	110,347	-	1,912,424
PC 21 Effluent Transmission Main	-	-	-	76	-	76	33	-	-	-	185
PC 24 - Aliso Creek Ocean Outfall	13,756	-	-	20,388	976	19,707	54,832	-	15,394	-	125,053
<b>Total O&amp;M by Project Committee and Member Agency</b>	<b>514,220</b>	<b>25,711</b>	<b>463,272</b>	<b>184,599</b>	<b>20,843</b>	<b>26,193</b>	<b>1,953,637</b>	<b>457,694</b>	<b>843,067</b>	<b>6,260</b>	<b>4,495,496</b>

<b>*Total Administration, General Fund and Residual Engineering Expenses by Member Agency (calculated pages 7-9)</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>
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**Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	94.4%	-	-	-	16.7%	81.0%	39.6%	-	32.7%
PC 5 - San Juan Creek Ocean Outfall	-	82.3%	3.0%	-	-	-	1.0%	12.3%	1.9%	-	2.8%
PC 8 - Pretreatment Program	0.4%	17.7%	1.1%	0.4%	3.4%	24.5%	0.6%	2.9%	1.0%	-	1.2%
PC 12 SO- Water Reclamation Permits	-	-	1.4%	0.0%	-	0.0%	0.9%	3.8%	0.8%	100.0%	1.2%
PC 15 - Coastal Treatment Plant/AWT	64.7%	-	-	-	65.9%	-	2.9%	-	41.8%	-	16.8%
PC 17 - Joint Regional Wastewater Reclamation	32.2%	-	-	88.5%	26.0%	-	75.1%	-	13.1%	-	42.5%
PC 21 Effluent Transmission Main	-	-	-	0.0%	-	0.3%	0.0%	-	-	-	0.0%
PC 24 - Aliso Creek Ocean Outfall	2.7%	-	-	11.0%	4.7%	75.2%	2.8%	-	1.8%	-	2.8%
<b>Total Allocation %'s</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	72,888	-	-	-	47,684	61,971	53,801	-	236,344
PC 5 - San Juan Creek Ocean Outfall	-	8,999	2,352	-	-	-	2,881	9,427	2,556	-	26,215
PC 8 - Pretreatment Program	339	1,937	885	139	613	3,608	1,704	2,198	1,328	-	12,751
PC 12 SO- Water Reclamation Permits	-	-	1,114	-	-	-	2,505	2,893	1,081	4,582	12,175
PC 15 - Coastal Treatment Plant/AWT	54,423	-	-	-	11,707	-	8,132	-	56,757	-	131,019
PC 17 - Joint Regional Wastewater Reclamation	27,076	-	-	31,902	4,611	-	214,158	-	17,771	-	295,519
PC 21 Effluent Transmission Main	-	-	-	15	-	43	5	-	-	-	62
PC 24 - Aliso Creek Ocean Outfall	2,249	-	-	3,980	832	11,091	8,001	-	2,479	-	28,632
<b>Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>

**Total O&M Budget by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	510,066	-	-	-	374,472	432,794	387,868	-	1,705,200
PC 5 - San Juan Creek Ocean Outfall	-	30,156	16,457	-	-	-	22,623	65,837	18,428	-	153,501
PC 8 - Pretreatment Program	2,411	6,491	6,194	851	1,332	10,018	13,382	15,350	9,576	-	65,605
PC 12 SO- Water Reclamation Permits	-	-	7,794	-	-	-	19,675	20,202	7,796	10,842	66,309
PC 15 - Coastal Treatment Plant/AWT	387,238	-	-	-	25,444	-	63,860	-	409,181	-	885,723
PC 17 - Joint Regional Wastewater Reclamation	192,653	-	-	195,325	10,022	-	1,681,824	-	128,118	-	2,207,943
PC 21 Effluent Transmission Main	-	-	-	91	-	119	38	-	-	-	247
PC 24 - Aliso Creek Ocean Outfall	16,005	-	-	24,368	1,808	30,798	62,833	-	17,873	-	153,685
<b>Total O&amp;M Budget by Project Committee and Member Agency</b>	<b>598,307</b>	<b>36,648</b>	<b>540,510</b>	<b>220,635</b>	<b>38,605</b>	<b>40,934</b>	<b>2,238,707</b>	<b>534,183</b>	<b>978,842</b>	<b>10,842</b>	<b>5,238,213</b>

\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed by Member Agency on pages 7 through 9.

**South Orange County Wastewater Authority  
Q2 FY 2019-20 Budget 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
<b>O&amp;M by Project Committee and Member Agency</b>											
PC 2 - Jay B. Latham Plant	-	-	437,178	-	-	-	326,788	370,823	334,067	-	1,468,856
PC 5 - San Juan Creek Ocean Outfall	-	21,157	14,105	-	-	-	19,742	56,410	15,872	-	127,286
PC 8 - Pretreatment Program	2,072	4,554	5,309	712	719	6,410	11,678	13,152	8,248	-	52,854
PC 12 SO- Water Reclamation Permits	-	-	6,680	-	-	-	17,170	17,309	6,715	6,260	54,134
PC 15 - Coastal Treatment Plant/AWT	332,815	-	-	-	13,737	-	55,728	-	352,424	-	754,704
PC 17 - Joint Regional Wastewater Reclamation	165,577	-	-	163,423	5,411	-	1,467,666	-	110,347	-	1,912,424
PC 21 Effluent Transmission Main	-	-	-	76	-	76	33	-	-	-	185
PC 24 - Aliso Creek Ocean Outfall	13,756	-	-	20,388	976	19,707	54,832	-	15,394	-	125,053
<b>Total O&amp;M by Project Committee and Member Agency</b>	<b>514,220</b>	<b>25,711</b>	<b>463,272</b>	<b>184,599</b>	<b>20,843</b>	<b>26,193</b>	<b>1,953,637</b>	<b>457,694</b>	<b>843,067</b>	<b>6,260</b>	<b>4,495,496</b>

<b>*Total Administration, General Fund and Residual Engineering Expenses by Member Agency (calculated pages 7-9)</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>
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**Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	94.4%	-	-	-	16.7%	81.0%	39.6%	-	32.7%
PC 5 - San Juan Creek Ocean Outfall	-	82.3%	3.0%	-	-	-	1.0%	12.3%	1.9%	-	2.8%
PC 8 - Pretreatment Program	0.4%	17.7%	1.1%	0.4%	3.4%	24.5%	0.6%	2.9%	1.0%	-	1.2%
PC 12 SO- Water Reclamation Permits	-	-	1.4%	0.0%	-	0.0%	0.9%	3.8%	0.8%	100.0%	1.2%
PC 15 - Coastal Treatment Plant/AWT	64.7%	-	-	-	65.9%	-	2.9%	-	41.8%	-	16.8%
PC 17 - Joint Regional Wastewater Reclamation	32.2%	-	-	88.5%	26.0%	-	75.1%	-	13.1%	-	42.5%
PC 21 Effluent Transmission Main	-	-	-	0.0%	-	0.3%	0.0%	-	-	-	0.0%
PC 24 - Aliso Creek Ocean Outfall	2.7%	-	-	11.0%	4.7%	75.2%	2.8%	-	1.8%	-	2.8%
<b>Total Allocation %'s</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	72,888	-	-	-	47,684	61,971	53,801	-	236,344
PC 5 - San Juan Creek Ocean Outfall	-	8,999	2,352	-	-	-	2,881	9,427	2,556	-	26,215
PC 8 - Pretreatment Program	339	1,937	885	139	613	3,608	1,704	2,198	1,328	-	12,751
PC 12 SO- Water Reclamation Permits	-	-	1,114	-	-	-	2,505	2,893	1,081	4,582	12,175
PC 15 - Coastal Treatment Plant/AWT	54,423	-	-	-	11,707	-	8,132	-	56,757	-	131,019
PC 17 - Joint Regional Wastewater Reclamation	27,076	-	-	31,902	4,611	-	214,158	-	17,771	-	295,519
PC 21 Effluent Transmission Main	-	-	-	15	-	43	5	-	-	-	62
PC 24 - Aliso Creek Ocean Outfall	2,249	-	-	3,980	832	11,091	8,001	-	2,479	-	28,632
<b>Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>

**Total O&M Budget by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	510,066	-	-	-	374,472	432,794	387,868	-	1,705,200
PC 5 - San Juan Creek Ocean Outfall	-	30,156	16,457	-	-	-	22,623	65,837	18,428	-	153,501
PC 8 - Pretreatment Program	2,411	6,491	6,194	851	1,332	10,018	13,382	15,350	9,576	-	65,605
PC 12 SO- Water Reclamation Permits	-	-	7,794	-	-	-	19,675	20,202	7,796	10,842	66,309
PC 15 - Coastal Treatment Plant/AWT	387,238	-	-	-	25,444	-	63,860	-	409,181	-	885,723
PC 17 - Joint Regional Wastewater Reclamation	192,653	-	-	195,325	10,022	-	1,681,824	-	128,118	-	2,207,943
PC 21 Effluent Transmission Main	-	-	-	91	-	119	38	-	-	-	247
PC 24 - Aliso Creek Ocean Outfall	16,005	-	-	24,368	1,808	30,798	62,833	-	17,873	-	153,685
<b>Total O&amp;M Budget by Project Committee and Member Agency</b>	<b>598,307</b>	<b>36,648</b>	<b>540,510</b>	<b>220,635</b>	<b>38,605</b>	<b>40,934</b>	<b>2,238,707</b>	<b>534,183</b>	<b>978,842</b>	<b>10,842</b>	<b>5,238,213</b>

\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed by Member Agency on pages 7 through 9.

**South Orange County Wastewater Authority  
Q3 FY 2019-20 Budget 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
<b>O&amp;M by Project Committee and Member Agency</b>											
PC 2 - Jay B. Latham Plant	-	-	437,178	-	-	-	326,788	370,823	334,067	-	1,468,856
PC 5 - San Juan Creek Ocean Outfall	-	21,157	14,105	-	-	-	19,742	56,410	15,872	-	127,286
PC 8 - Pretreatment Program	2,072	4,554	5,309	712	719	6,410	11,678	13,152	8,248	-	52,854
PC 12 SO- Water Reclamation Permits	-	-	6,680	-	-	-	17,170	17,309	6,715	6,260	54,134
PC 15 - Coastal Treatment Plant/AWT	332,815	-	-	-	13,737	-	55,728	-	352,424	-	754,704
PC 17 - Joint Regional Wastewater Reclamation	165,577	-	-	163,423	5,411	-	1,467,666	-	110,347	-	1,912,424
PC 21 Effluent Transmission Main	-	-	-	76	-	76	33	-	-	-	185
PC 24 - Aliso Creek Ocean Outfall	13,756	-	-	20,388	976	19,707	54,832	-	15,394	-	125,053
<b>Total O&amp;M by Project Committee and Member Agency</b>	<b>514,220</b>	<b>25,711</b>	<b>463,272</b>	<b>184,599</b>	<b>20,843</b>	<b>26,193</b>	<b>1,953,637</b>	<b>457,694</b>	<b>843,067</b>	<b>6,260</b>	<b>4,495,496</b>

<b>*Total Administration, General Fund and Residual Engineering Expenses by Member Agency (calculated pages 7-9)</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>
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<b>Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency</b>											
Project Committee											
PC 2 - Jay B. Latham Plant	-	-	94.4%	-	-	-	16.7%	81.0%	39.6%	-	32.7%
PC 5 - San Juan Creek Ocean Outfall	-	82.3%	3.0%	-	-	-	1.0%	12.3%	1.9%	-	2.8%
PC 8 - Pretreatment Program	0.4%	17.7%	1.1%	0.4%	3.4%	24.5%	0.6%	2.9%	1.0%	-	1.2%
PC 12 SO- Water Reclamation Permits	-	-	1.4%	0.0%	-	0.0%	0.9%	3.8%	0.8%	100.0%	1.2%
PC 15 - Coastal Treatment Plant/AWT	64.7%	-	-	-	65.9%	-	2.9%	-	41.8%	-	16.8%
PC 17 - Joint Regional Wastewater Reclamation	32.2%	-	-	88.5%	26.0%	-	75.1%	-	13.1%	-	42.5%
PC 21 Effluent Transmission Main	-	-	-	0.0%	-	0.3%	0.0%	-	-	-	0.0%
PC 24 - Aliso Creek Ocean Outfall	2.7%	-	-	11.0%	4.7%	75.2%	2.8%	-	1.8%	-	2.8%
<b>Total Allocation %'s</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

<b>Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency</b>											
Project Committee											
PC 2 - Jay B. Latham Plant	-	-	72,888	-	-	-	47,684	61,971	53,801	-	236,344
PC 5 - San Juan Creek Ocean Outfall	-	8,999	2,352	-	-	-	2,881	9,427	2,556	-	26,215
PC 8 - Pretreatment Program	339	1,937	885	139	613	3,608	1,704	2,198	1,328	-	12,751
PC 12 SO- Water Reclamation Permits	-	-	1,114	-	-	-	2,505	2,893	1,081	4,582	12,175
PC 15 - Coastal Treatment Plant/AWT	54,423	-	-	-	11,707	-	8,132	-	56,757	-	131,019
PC 17 - Joint Regional Wastewater Reclamation	27,076	-	-	31,902	4,611	-	214,158	-	17,771	-	295,519
PC 21 Effluent Transmission Main	-	-	-	15	-	43	5	-	-	-	62
PC 24 - Aliso Creek Ocean Outfall	2,249	-	-	3,980	832	11,091	8,001	-	2,479	-	28,632
<b>Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>

**Total O&M Budget by Project Committee and Member Agency**

Project Committee											
PC 2 - Jay B. Latham Plant	-	-	510,066	-	-	-	374,472	432,794	387,868	-	1,705,200
PC 5 - San Juan Creek Ocean Outfall	-	30,156	16,457	-	-	-	22,623	65,837	18,428	-	153,501
PC 8 - Pretreatment Program	2,411	6,491	6,194	851	1,332	10,018	13,382	15,350	9,576	-	65,605
PC 12 SO- Water Reclamation Permits	-	-	7,794	-	-	-	19,675	20,202	7,796	10,842	66,309
PC 15 - Coastal Treatment Plant/AWT	387,238	-	-	-	25,444	-	63,860	-	409,181	-	885,723
PC 17 - Joint Regional Wastewater Reclamation	192,653	-	-	195,325	10,022	-	1,681,824	-	128,118	-	2,207,943
PC 21 Effluent Transmission Main	-	-	-	91	-	119	38	-	-	-	247
PC 24 - Aliso Creek Ocean Outfall	16,005	-	-	24,368	1,808	30,798	62,833	-	17,873	-	153,685
<b>Total O&amp;M Budget by Project Committee and Member Agency</b>	<b>598,307</b>	<b>36,648</b>	<b>540,510</b>	<b>220,635</b>	<b>38,605</b>	<b>40,934</b>	<b>2,238,707</b>	<b>534,183</b>	<b>978,842</b>	<b>10,842</b>	<b>5,238,213</b>

\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed by Member Agency on pages 7 through 9.

**South Orange County Wastewater Authority  
Q4 FY 2019-20 Budget 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
<b>O&amp;M by Project Committee and Member Agency</b>											
PC 2 - Jay B. Latham Plant	-	-	437,178	-	-	-	326,788	370,823	334,067	-	1,468,856
PC 5 - San Juan Creek Ocean Outfall	-	21,157	14,105	-	-	-	19,742	56,410	15,872	-	127,286
PC 8 - Pretreatment Program	2,072	4,554	5,309	712	719	6,410	11,678	13,152	8,248	-	52,854
PC 12 SO- Water Reclamation Permits	-	-	6,680	-	-	-	17,170	17,309	6,715	6,260	54,134
PC 15 - Coastal Treatment Plant/AWT	332,815	-	-	-	13,737	-	55,728	-	352,424	-	754,704
PC 17 - Joint Regional Wastewater Reclamation	165,577	-	-	163,423	5,411	-	1,467,666	-	110,347	-	1,912,424
PC 21 Effluent Transmission Main	-	-	-	76	-	76	33	-	-	-	185
PC 24 - Aliso Creek Ocean Outfall	13,756	-	-	20,388	976	19,707	54,832	-	15,394	-	125,053
<b>Total O&amp;M by Project Committee and Member Agency</b>	<b>514,220</b>	<b>25,711</b>	<b>463,272</b>	<b>184,599</b>	<b>20,843</b>	<b>26,193</b>	<b>1,953,637</b>	<b>457,694</b>	<b>843,067</b>	<b>6,260</b>	<b>4,495,496</b>

<b>*Total Administration, General Fund and Residual Engineering Expenses by Member Agency (calculated pages 7-9)</b>	<b>84,087</b>	<b>10,937</b>	<b>77,238</b>	<b>36,036</b>	<b>17,762</b>	<b>14,741</b>	<b>285,070</b>	<b>76,489</b>	<b>135,775</b>	<b>4,582</b>	<b>742,717</b>
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**Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency**

<b>Project Committee</b>											
PC 2 - Jay B. Latham Plant	-	-	94.4%	-	-	-	16.7%	81.0%	39.6%	-	32.7%
PC 5 - San Juan Creek Ocean Outfall	-	82.3%	3.0%	-	-	-	1.0%	12.3%	1.9%	-	2.8%
PC 8 - Pretreatment Program	0.4%	17.7%	1.1%	0.4%	3.4%	24.5%	0.6%	2.9%	1.0%	-	1.2%
PC 12 SO- Water Reclamation Permits	-	-	1.4%	0.0%	-	0.0%	0.9%	3.8%	0.8%	100.0%	1.2%
PC 15 - Coastal Treatment Plant/AWT	64.7%	-	-	-	65.9%	-	2.9%	-	41.8%	-	16.8%
PC 17 - Joint Regional Wastewater Reclamation	32.2%	-	-	88.5%	26.0%	-	75.1%	-	13.1%	-	42.5%
PC 21 Effluent Transmission Main	-	-	-	0.0%	-	0.3%	0.0%	-	-	-	0.0%
PC 24 - Aliso Creek Ocean Outfall	2.7%	-	-	11.0%	4.7%	75.2%	2.8%	-	1.8%	-	2.8%
<b>Total Allocation %'s</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency**

<b>Project Committee</b>											
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PC 15 - Coastal Treatment Plant/AWT	54,423	-	-	-	11,707	-	8,132	-	56,757	-	131,019
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**Total O&M Budget by Project Committee and Member Agency**

<b>Project Committee</b>											
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PC 15 - Coastal Treatment Plant/AWT	387,238	-	-	-	25,444	-	63,860	-	409,181	-	885,723
PC 17 - Joint Regional Wastewater Reclamation	192,653	-	-	195,325	10,022	-	1,681,824	-	128,118	-	2,207,943
PC 21 Effluent Transmission Main	-	-	-	91	-	119	38	-	-	-	247
PC 24 - Aliso Creek Ocean Outfall	16,005	-	-	24,368	1,808	30,798	62,833	-	17,873	-	153,685
<b>Total O&amp;M Budget by Project Committee and Member Agency</b>	<b>598,307</b>	<b>36,648</b>	<b>540,510</b>	<b>220,635</b>	<b>38,605</b>	<b>40,934</b>	<b>2,238,707</b>	<b>534,183</b>	<b>978,842</b>	<b>10,842</b>	<b>5,238,213</b>

\*Member Agency Administration, Residual Engineering and General Fund expenses are distributed by Member Agency on pages 7 through 9.



**South Orange County Wastewater Authority**  
**5-Year O & M, Environmental & Safety Departments Budget Summary**  
**(Final Budget will include 5 Year Plan)**

		FY 2016-17 Actual	FY 2017-18 Actual	Change %	FY 2018-19 Forecast	Change %	FY 2019-20 Budget	Change %
Salary and Fringe								
**5000.**.*.*.*	Regular Salaries-O&M	3,999,716	4,014,797	0.4%	4,018,751	0.1%	4,620,132	14.96%
**5001.**.*.*.*	Overtime Salaries-O&M	147,190	146,313	-0.6%	115,036	-21.4%	109,504	(4.81%)
**5302.**.*.*.*	Performance Based Merit Pay	23,922	14,729	100.0%	-	-100.0%	-	0.00%
**5306.**.*.*.*	Scheduled Holiday Work	25,116	46,220	84.0%	49,860	7.9%	28,692	(42.45%)
**5307.**.*.*.*	Weekend Shift Pay	996						
**5315.**.*.*.*	Comp Time - O&M	-	35,495	100.0%	1,828	-94.8%	7,796	326.48%
**5401.**.*.*.*	Fringe Benefits IN to PC's & Depts.	3,464,677	2,953,297	-14.8%	3,034,157	2.7%	3,323,840	9.55%
**5700.**.*.*.*	Standby Pay	68,900	67,925	-1.4%	69,292	2.0%	67,600	(2.44%)
	Total Payroll Costs	7,730,517	7,278,776	-5.8%	7,288,924	0.1%	8,157,564	11.92%
Other Expenses								
**5002.**.*.*.*	Electricity	1,464,878	1,805,916	23.3%	1,155,968	-36.0%	1,022,564	(11.54%)
**5003.**.*.*.*	Natural Gas	139,971	116,552	-16.7%	198,532	70.3%	266,508	34.24%
**5004.**.*.*.*	Potable & Reclaimed Water	58,263	74,323	27.6%	76,548	3.0%	84,992	11.03%
**5005.**.*.*.*	Co-generation Power Credit	(201,611)	-	-100.0%	(400,932)	-100.0%	(325,004)	(18.94%)
**5006.**.*.*.*	Chlorine/Sodium Hypochlorite	422,596	536,903	27.0%	367,847	-31.5%	506,000	37.56%
**5007.**.*.*.*	Polymer Products	506,570	503,962	-0.5%	658,028	30.6%	685,000	4.10%
**5008.**.*.*.*	Ferric Chloride	268,559	317,541	18.2%	203,017	-36.1%	304,992	50.23%
**5009.**.*.*.*	Odor Control Chemicals	148,229	120,872	-18.5%	163,008	34.9%	130,000	(20.25%)
**5010.**.*.*.*	Other Chemicals - Misc.	988	754	-23.7%	7,000	828.1%	2,996	(57.20%)
**5011.**.*.*.*	Laboratory Services	29,423	28,231	-4.1%	41,696	47.7%	44,412	6.51%
**5012.**.*.*.*	Grit Hauling - 21A	120,131	121,142	0.8%	134,008	10.6%	128,252	(4.30%)
**5013.**.*.*.*	Landscaping	199,368	135,400	-32.1%	185,008	36.6%	159,996	(13.52%)
**5014.**.*.*.*	Engineering - Misc.	103,825	41,370	-60.2%	175,004	323.0%	1,000	(99.43%)
**5015.**.*.*.*	Management Support Services	95,040	71,974	-24.3%	363,936	405.7%	215,212	(40.87%)
**5016.**.*.*.*	Audit - Environmental	-	-	0.0%	500	100.0%	600	20.00%
**5017.**.*.*.*	Legal Fees	41,177	23,595	-42.7%	23,020	-2.4%	28,352	23.16%
**5018.**.*.*.*	Public Notices/ Public Relations	145	1,241	755.9%	2,008	61.8%	5,004	149.20%
**5019.**.*.*.*	Contract Services Misc. - 29	204,070	282,098	38.2%	375,012	32.9%	199,996	(46.67%)
**5021.**.*.*.*	Small Vehicle Expense - 31A	28,170	19,633	-30.3%	21,024	7.1%	24,064	14.46%
**5022.**.*.*.*	Miscellaneous Expense	12,348	13,422	8.7%	18,488	37.7%	18,004	(2.62%)
**5023.**.*.*.*	Office Supplies - All	39,431	37,276	-5.5%	38,004	2.0%	43,004	13.16%
**5024.**.*.*.*	Petroleum Products	34,625	20,506	-40.8%	73,228	257.1%	49,004	(33.08%)
**5025.**.*.*.*	Uniforms	36,917	37,269	1.0%	37,016	-0.7%	54,004	45.89%
**5026.**.*.*.*	Small Vehicle Fuel - 37A	14,743	17,473	18.5%	35,680	104.2%	31,500	(11.72%)
**5027.**.*.*.*	Insurance - Property/Liability	160,201	208,092	29.9%	145,132	-30.3%	210,096	44.76%
**5028.**.*.*.*	Small Tools & Supplies	64,336	90,225	40.2%	85,664	-5.1%	74,872	(12.60%)
**5030.**.*.*.*	Trash Disposal	4,863	7,263	49.4%	6,992	-3.7%	6,992	0.00%
**5031.**.*.*.*	Safety Supplies	119,600	97,822	-18.2%	106,396	8.8%	117,356	10.30%
**5032.**.*.*.*	Equipment Rental	15,754	2,024	-87.2%	7,008	246.3%	7,004	(0.06%)
**5033.**.*.*.*	Recruitment	1,482	5,201	250.9%	3,024	-41.9%	3,004	(0.66%)



**South Orange County Wastewater Authority**  
**5-Year O & M, Environmental & Safety Departments Budget Summary**  
**(Final Budget will include 5 Year Plan)**

		FY 2016-17 Actual	FY 2017-18 Actual	Change %	FY 2018-19 Forecast	Change %	FY 2019-20 Budget	Change %
**5034-**-**-**	Travel Expense/Tech. Conferences	19,787	51,043	158.0%	72,068	41.2%	61,932	(14.06%)
**5035-**-**-**	Training Expense	52,511	93,351	77.8%	63,380	-32.1%	55,168	(12.96%)
**5036-**-**-**	Laboratory Supplies	68,799	76,220	10.8%	90,328	18.5%	93,256	3.24%
**5037-**-**-**	Office Equipment	19,969	38,739	94.0%	24,996	-35.5%	24,996	0.00%
**5038-**-**-**	Permits	475,018	359,577	-24.3%	415,952	15.7%	500,128	20.24%
**5039-**-**-**	Membership Dues/Fees	14,356	13,493	-6.0%	11,920	-11.7%	22,892	92.05%
**5044-**-**-**	Offshore Monitoring - 20A	32,634	32,757	0.4%	36,000	9.9%	36,000	0.00%
**5045-**-**-**	Offshore Biochemistry - 20B	-	-	0.0%	110,000	100.0%	-	(100.00%)
**5046-**-**-**	Effluent Chemistry - 20C	38,855	55,487	42.8%	28,004	-49.5%	28,004	0.00%
**5047-**-**-**	Access Road Expenses	36,245	28,848	-20.4%	48,000	66.4%	49,000	2.08%
**5048-**-**-**	Storm Damage	30,592	-	-100.0%	20,008	100.0%	20,008	0.00%
**5049-**-**-**	Biosolids Disposal - 21B	1,481,192	1,322,804	-10.7%	1,400,000	5.8%	1,355,004	(3.21%)
**5050-**-**-**	Contract Services Generators - 29A	22,514	21,115	-6.2%	21,004	-0.5%	22,008	4.78%
**5052-**-**-**	Janitorial Services	34,408	53,199	54.6%	100,024	88.0%	102,008	1.98%
**5053-**-**-**	Contract Serv - Digester Cleaning - 29E	-	63,126	100.0%	60,000	-5.0%	59,996	(0.01%)
**5054-**-**-**	Diesel Truck Maint - 31B	24,175	18,953	-21.6%	41,004	116.3%	41,000	(0.01%)
**5055-**-**-**	Diesel Truck Fuel - 37B	8,696	4,480	-48.5%	14,004	212.6%	14,996	7.08%
**5056-**-**-**	Maintenance Equip. & Facilities (Solids) 41	343,870	357,142	3.9%	338,000	-5.4%	356,004	5.33%
**5057-**-**-**	Maintenance Equip. & Facilities (Liquids) 4	542,344	551,066	1.6%	537,881	-2.4%	663,000	23.26%
**5058-**-**-**	Maintenance Equip. & Facilities (Common)	71,872	49,636	-30.9%	68,037	37.1%	87,008	27.88%
**5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen) 4	93,997	376,170	300.2%	1,102,391	193.1%	957,996	(13.10%)
**5060-**-**-**	Maintenance Equip. & Facilities (AWT) 41-	59,870	105,919	76.9%	72,000	-32.0%	74,000	2.78%
**5061-**-**-**	Mileage	4,506	1,949	-56.7%	2,036	4.5%	2,508	23.18%
**5067-**-**-**	Port Cleaning	-	-	0.0%	35,000	100.0%	-	(100.00%)
**5077-**-**-**	IT Direct	296,159	500	100.0%	-	-100.0%	-	0.00%
**5068-**-**-**	MNWD Potable Water Supplies & Svcs.	22,508	22,462	-0.2%	24,484	9.0%	24,972	1.99%
**5069-**-**-**	Misc-Capital-Dilution & Metering Study	102,670	19,225	100.0%	7,996	-58.4%	60,004	650.43%
**5076-**-**-**	SCADA Infrastructure	-	-	0.0%	25,000	100.0%	20,992	(16.03%)
**5101-**-**-**	Employee Recognition	1,925	274	-85.8%	1,004	266.7%	-	(100.00%)
**5105-**-**-**	Co-Generation Power Credit - Offset	201,611	-	-100.0%	400,932	100.0%	325,000	(18.94%)
**5301-**-**-**	Vehicle Pay	162						
**5303-**-**-**	Group Insurance Waiver	7,403	11,221	51.6%	14,400	28.3%	14,396	(0.03%)
**5305-**-**-**	Medicare Tax Payments for Employees	12,054	8,153	-32.4%	5,000	-38.7%	2,784	(44.32%)
**5309-**-**-**	Operating Leases	5,085	41,285	711.9%	31,004	-24.9%	21,800	(29.69%)
**5705-**-**-**	Monthly Car Allowance	31,631	29,735	-6.0%	28,740	-3.3%	28,184	(1.93%)
**5706-**-**-**	Effluent Pond Cleaning	-	-	0.0%	90,000	100.0%	-	(100.00%)
**5802-**-**-**	Shipping/Freight	659	1,094	66.0%	200	-81.7%	-	(100.00%)
**6500-**-**-**	IT Allocations in to PC's & Depts.	564,971	611,860	8.3%	565,000	-7.7%	599,600	6.12%
	Total Other Expenses	8,857,138	9,158,963	3.41%	10,212,661	11.50%	9,824,420	-3.80%
	Total Expenses	16,587,654	16,437,739	-0.9%	17,501,585	6.5%	17,981,984	2.74%

**South Orange County Wastewater Authority**  
**Fiscal Year 2019-20 O&M Project Committee Detail**  
**(Does Not Include Administration, Residual Engineering and General Fund Expenses)**

		PC 02	PC 05	PC 08	PC 12	PC 15	PC 17	PC 21	PC 24	SOCWA
<b>Salary and Fringe</b>										
**5000.**-**-**	Regular Salaries-O&M	1,539,152	102,104	92,352	35,084	954,416	1,797,416	-	99,608	4,620,132
**5001.**-**-**	Overtime Salaries-O&M	35,144	900	-	-	18,928	54,072	-	460	109,504
**5306.**-**-**	Scheduled Holiday Work	13,324	-	-	-	2,596	12,772	-	-	28,692
**5315.**-**-**	Comp Time - O&M	3,508	-	-	-	4,288	-	-	-	7,796
**5401.**-**-**	Fringe Benefits IN to PC's & Depts.	1,107,296	73,456	66,436	25,248	686,636	1,293,120	-	71,648	3,323,840
**5700.**-**-**	Standby Pay	13,520	-	-	-	27,040	27,040	-	-	67,600
	<b>Total Payroll Costs</b>	<b>2,711,944</b>	<b>176,460</b>	<b>158,788</b>	<b>60,332</b>	<b>1,693,904</b>	<b>3,184,420</b>	<b>-</b>	<b>171,716</b>	<b>8,157,564</b>
<b>Other Expenses</b>										
**5002.**-**-**	Electricity	399,688	-	-	-	270,960	351,916	-	-	1,022,564
**5003.**-**-**	Natural Gas	168,004	500	-	-	3,000	95,004	-	-	266,508
**5004.**-**-**	Potable & Reclaimed Water	24,000	-	-	-	30,996	29,996	-	-	84,992
**5005.**-**-**	Co-generation Power Credit	-	-	-	-	-	(325,004)	-	-	(325,004)
**5006.**-**-**	Chlorine/Sodium Hypochlorite	5,000	-	-	-	99,000	402,000	-	-	506,000
**5007.**-**-**	Polymer Products	261,996	-	-	-	1,004	422,000	-	-	685,000
**5008.**-**-**	Ferric Chloride	103,736	-	-	-	28,368	172,888	-	-	304,992
**5009.**-**-**	Odor Control Chemicals	28,988	-	-	-	56,216	44,796	-	-	130,000
**5010.**-**-**	Other Chemicals - Misc.	1,000	-	-	-	-	1,996	-	-	2,996
**5011.**-**-**	Laboratory Services	10,916	-	2,996	-	14,000	16,500	-	-	44,412
**5012.**-**-**	Grit Hauling - 21A	51,252	-	-	-	30,000	47,000	-	-	128,252
**5013.**-**-**	Landscaping	41,780	-	-	-	50,548	67,668	-	-	159,996
**5014.**-**-**	Engineering - Misc.	-	-	-	-	1,000	-	-	-	1,000
**5015.**-**-**	Management Support Services	33,004	15,004	2,004	125,000	4,500	13,204	-	22,496	215,212
**5016.**-**-**	Audit - Environmental	-	-	600	-	-	-	-	-	600
**5017.**-**-**	Legal Fees	3,328	3,012	2,504	2,004	15,000	1,500	-	1,004	28,352
**5018.**-**-**	Public Notices/ Public Relations	-	-	5,004	-	-	-	-	-	5,004
**5019.**-**-**	Contract Services Misc. - 29	60,240	-	-	-	59,036	80,720	-	-	199,996
**5021.**-**-**	Small Vehicle Expense - 31A	10,004	-	1,056	-	6,004	7,000	-	-	24,064
**5022.**-**-**	Miscellaneous Expense	8,000	-	2,004	-	2,996	5,004	-	-	18,004
**5023.**-**-**	Office Supplies - All	28,000	-	-	-	4,004	11,000	-	-	43,004
**5024.**-**-**	Petroleum Products	14,124	-	-	-	1,660	33,220	-	-	49,004
**5025.**-**-**	Uniforms	20,000	-	-	-	9,000	25,004	-	-	54,004
**5026.**-**-**	Small Vehicle Fuel - 37A	15,004	-	1,500	-	5,000	9,996	-	-	31,500
**5027.**-**-**	Insurance - Property/Liability	68,556	6,248	2,160	2,364	35,372	88,132	740	6,524	210,096
**5028.**-**-**	Small Tools & Supplies	35,496	-	3,876	-	9,524	25,976	-	-	74,872
**5030.**-**-**	Trash Disposal	2,000	-	-	-	2,996	1,996	-	-	6,992

**South Orange County Wastewater Authority**  
**Fiscal Year 2019-20 O&M Project Committee Detail**  
**(Does Not Include Administration, Residual Engineering and General Fund Expenses)**

		PC 02	PC 05	PC 08	PC 12	PC 15	PC 17	PC 21	PC 24	SOCWA
**5031-**-**-**	Safety Supplies	39,652	1,004	-	-	36,048	39,648	-	1,004	117,356
**5032-**-**-**	Equipment Rental	3,000	-	-	-	1,000	3,004	-	-	7,004
**5033-**-**-**	Recruitment	1,000	-	-	-	1,000	1,004	-	-	3,004
**5034-**-**-**	Travel Expense/Tech. Conferences	15,964	3,712	4,348	2,280	15,968	15,956	-	3,704	61,932
**5035-**-**-**	Training Expense	13,168	5,988	1,564	-	13,268	15,172	-	6,008	55,168
**5036-**-**-**	Laboratory Supplies	14,520	19,468	-	-	16,500	23,208	-	19,560	93,256
**5037-**-**-**	Office Equipment	13,000	-	-	-	2,000	9,996	-	-	24,996
**5038-**-**-**	Permits	22,500	196,000	10,012	20,000	23,236	41,624	-	186,756	500,128
**5039-**-**-**	Membership Dues/Fees	4,200	5,496	1,016	-	2,368	4,312	-	5,500	22,892
**5044-**-**-**	Offshore Monitoring - 20A	-	18,000	-	-	-	-	-	18,000	36,000
**5046-**-**-**	Effluent Chemistry - 20C	-	14,000	-	-	-	-	-	14,004	28,004
**5047-**-**-**	Access Road Expenses	-	-	-	-	49,000	-	-	-	49,000
**5048-**-**-**	Storm Damage	-	-	-	-	20,008	-	-	-	20,008
**5049-**-**-**	Biosolids Disposal - 21B	450,000	-	-	-	-	905,004	-	-	1,355,004
**5050-**-**-**	Contract Services Generators - 29A	10,004	-	-	-	4,004	8,000	-	-	22,008
**5052-**-**-**	Janitorial Services	41,000	-	-	-	20,008	41,000	-	-	102,008
**5053-**-**-**	Contract Serv - Digester Cleaning - 29E	59,996	-	-	-	-	-	-	-	59,996
**5054-**-**-**	Diesel Truck Maint - 31B	21,000	-	-	-	996	19,004	-	-	41,000
**5055-**-**-**	Diesel Truck Fuel - 37B	6,000	-	-	-	996	8,000	-	-	14,996
**5056-**-**-**	Maintenance Equip. & Facilities (Solids) 41-A	155,004	-	-	-	-	201,000	-	-	356,004
**5057-**-**-**	Maintenance Equip. & Facilities (Liquids) 41-B	254,000	-	-	-	179,000	230,000	-	-	663,000
**5058-**-**-**	Maintenance Equip. & Facilities (Common) 41-C	28,000	1,004	-	-	22,000	35,000	-	1,004	87,008
**5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen) 41-D	369,996	-	-	-	-	588,000	-	-	957,996
**5060-**-**-**	Maintenance Equip. & Facilities (AWT) 41-E	-	-	-	-	37,000	37,000	-	-	74,000
**5061-**-**-**	Mileage	1,504	-	-	-	-	1,004	-	-	2,508
17-5068-02-04-22	MNWD Lab Services and Supplies	-	-	-	-	-	24,972	-	-	24,972
**5069-**-**-**	Outfall Inspection/Port Cleaning	-	30,000	-	-	-	-	-	30,004	60,004
**5076-**-**-**	SCADA Infrastructure	6,996	-	-	-	6,996	7,000	-	-	20,992
**5105-**-**-**	Co-Generation Power Credit - Offset	-	-	-	-	-	325,000	-	-	325,000
**5303-**-**-**	Group Insurance Waiver	3,600	-	-	-	3,604	7,192	-	-	14,396
**5305-**-**-**	Medicare Tax Payments for Employees	1,116	-	-	-	1,668	-	-	-	2,784
**5309-**-**-**	Operating Leases	21,800	-	-	-	-	-	-	-	21,800
**5705-**-**-**	Monthly Car Allowance	12,592	-	-	-	4,200	11,392	-	-	28,184
**6500-**-**-**	IT Allocations in to PC's & Depts.	199,752	13,248	11,984	4,556	123,860	233,272	-	12,928	599,600
	<b>Total Other Expenses</b>	<b>3,163,480</b>	<b>332,684</b>	<b>52,628</b>	<b>156,204</b>	<b>1,324,912</b>	<b>4,465,276</b>	<b>740</b>	<b>328,496</b>	<b>9,824,420</b>
	<b>Total Expenses</b>	<b>5,875,424</b>	<b>509,144</b>	<b>211,416</b>	<b>216,536</b>	<b>3,018,816</b>	<b>7,649,696</b>	<b>740</b>	<b>500,212</b>	<b>17,981,984</b>

**South Orange County Wastewater Authority**  
**5-Year Administration Expenses Detail by Line Item**  
**(\*Includes General Fund Expenses)**  
**(Final Budget will include 5 Year Plan)**

		FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Budget	FY 2019-20 Budget
Salary and Fringe						
01-6000-04-00-00	Regular Salaries-Admin & IT	667,234	695,744	857,635	985,352	1,030,445
01-6001-04-00-00	Overtime Salaries-Admin & IT	21,816	27,883	29,661	12,000	6,000
01-6315-04-00-00	Comp Time - Admin		1,914	10,469	10,000	5,000
01-6401-04-00-00	Fringe Benefits IN to PC's & Depts.	520,442	602,675	630,891	709,453	741,332
	Total Payroll Costs	1,209,491	1,328,215	1,528,656	1,716,805	1,782,777
Other Expenses						
01-5018-04-00-00	Public Notices/ Public Relations	1,350			1,400	
01-5027-04-00-00	Insurance - Property/Liability	74	28			
01-5304-04-00-00	Earned Benefit	2,211			-	
01-6101-04-00-00	HR Recruitment & Employee Relations	22,310	35,803	45,075	21,200	34,200
01-6102-04-00-00	Subscriptions	0	1,334	2,677	3,243	2,000
01-6200-04-00-00	Management Support Services	180,895	162,229	219,478	112,500	100,000
01-6201-04-00-00	Audit	22,900	34,700	55,000	40,000	45,000
01-6202-04-00-00	Legal	76,861	188,130	282,388	250,000	250,000
01-6203-04-00-00	Outside Services	0	5,110			
01-6204-04-00-00	Postage	3,512	2,521	2,348	2,319	2,400
01-6220-04-00-00	Board of Directors - Fees	10,854				
01-6223-04-00-00	Office Supplies - Admin	2,705	4,041	5,561	8,470	6,000
01-6224-04-00-00	Office Equipment Admin or IT	7,814	9,132	6,722	8,000	400
01-6234-04-00-00	Memberships & Trainings	56,335	75,467	71,655	89,520	90,000
01-6239-04-00-00	Travel & Conference	24,734	23,794	27,680	20,800	21,500
01-6240-04-00-00	Scholarship/Education reimbursement	1,000	1,000		1,000	
01-6310-04-00-00	Miscellaneous	18,236	20,831	28,056	20,000	23,000
01-6311-04-00-00	Mileage	328	941	1,164	1,000	1,188
01-6317-04-00-00	Contract Services Misc	4,225	8,070	4,855	4,936	5,500
01-6500-04-00-00	IT Allocations in to PC's & Depts.	80,556	80,812	104,057	141,240	133,729
01-6601-04-00-00	Shipping/Freight	1,067	2,647	3,595	1,500	3,667
01-6705-04-00-00	Monthly Car Allowance	11,608	12,231	12,000	12,000	12,000
	Total Other Expenses	529,575	668,821	872,312	739,130	730,583
Total Administration Expenses		1,739,067	1,997,037	2,400,967	2,455,935	2,513,360

\*Expenses included in the General Fund and the pro rata share are detailed on page 48.

\*\*FY 2015-16 includes \$23,860 distributed only to the City of Laguna Beach.

**South Orange County Wastewater Authority**  
**5-Year General Fund Expenses Detail by Line Item**

(Included Within Administration Expenses)

**(Final Budget will include 5 Year Plan)**

			Finance Committee Recommended General Fund %'s	FY 2017-18 Actual	FY 18-19 Budget	FY 2019-20 Budget
Salary and Fringe						
01-6000-04-00-00	Regular Salaries-Admin & IT	Footnote #1		110,595	219,977	223,834
01-6001-04-00-00	Overtime Salaries-Admin & IT	50%		150,343	6,000	3,000
01-6315-04-00-00	Comp Time - Admin	50%		14,831	5,000	2,500
01-6401-04-00-00	Fringe Benefits IN to PC's & Depts.			5,235	158,384	161,033
Total Payroll Costs				281,002	389,361	390,367
Other Expenses						
01-5018-04-00-00	Public Notices/ Public Relations	100%			1,400	
01-5027-04-00-00	Insurance - Property/Liability					
01-6101-04-00-00	Recruitment & Employee Relations					
01-6102-04-00-00	Subscriptions					
01-6200-04-00-00	Management Support Services					
01-6201-04-00-00	Audit	100%		55,000	40,000	45,000
01-6202-04-00-00	Legal	40%		112,955	100,000	100,000
01-6203-04-00-00	Outside Services	100%				
01-6204-04-00-00	Postage	20%		470	464	480
01-6220-04-00-00	Board of Directors - Fees					
01-6223-04-00-00	Office Supplies - Admin	100%		5,561	8,470	6,000
01-6224-04-00-00	Office Equipment	100%		6,722	8,000	400
01-6234-04-00-00	Memberships & Trainings					
01-6239-04-00-00	Travel & Conference					
01-6240-04-00-00	Scholarship Sponsorship					
01-6310-04-00-00	Miscellaneous	20%		5,611	4,000	4,600
01-6311-04-00-00	Mileage					
01-6317-04-00-00	Contract Services Misc					
01-6500-04-00-00	IT Allocations in to PC's & Depts.	5%		5,203	7,062	6,686
01-6601-04-00-00	Shipping/Freight					
01-6705-04-00-00	Monthly Car Allowance					
Total Other Expenses				191,522	169,396	163,166
<b>Total General Fund Expenses</b>				<b>472,524</b>	<b>558,757</b>	<b>553,533</b>

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

**South Orange County Wastewater Authority**  
**5-Year Residual Engineering Expenses Detail by Line Item**  
**(Final Budget will include 5 Year Plan)**

		FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 18-19 Budget	FY 2019-20 Budget
<b>Salary and Fringe</b>						
01-5000-03-00-00	Regular Salaries-O&M	43,715	153,513	192,301	199,834	207,349
01-5001-03-00-00	Overtime Salaries-O&M			101		
01-5306-03-00-00	Scheduled Holiday Work			48		
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	34,097	126,599	136,870	143,880	149,173
	<b>Total Payroll Costs</b>	<b>77,812</b>	<b>280,112</b>	<b>329,320</b>	<b>343,714</b>	<b>356,522</b>
<b>Other Expenses</b>						
01-5014-03-00-00	Engineering - Misc.	3,186		3,064		
01-5015-03-00-00	Management Support Services	16,004		513	7,500	9,600
01-5017-03-00-00	Legal Fees		830			
01-5022-03-00-00	Miscellaneous Expense	7,437		1,586	3,060	3,121
01-5023-03-00-00	Office Supplies - All	37	-	248	200	204
01-5031-03-00-00	Safety Supplies					300
01-5033-03-00-00	Recruitment	29,815	265			
01-5034-03-00-00	Travel Expense/Tech. Conferences	974	1,893	7,817	6,659	12,625
01-5035-03-00-00	Training Expense	594	2,131	3,708	4,000	4,400
01-5037-03-00-00	Office Equipment				5,000	400
01-5039-03-00-00	Membership Dues/Fees	862	779	930	2,025	1,350
01-5061-03-00-00	Mileage	98	147	220	300	500
01-5077-03-00-00	IT Direct					
01-5309-03-00-00	Operating Leases	15,348	18,637	8,706	20,637	6,695
01-5705-03-00-00	Monthly Car Allowance	1,938	4,281	4,200	4,200	5,250
01-5802-03-00-00	Shipping/Freight	-	79		300	306
01-6500-03-00-00	IT Allocations in to PC's & Depts.	45,721	34,864	54,654	59,860	56,235
	<b>Total Other Expenses</b>	<b>122,014</b>	<b>63,906</b>	<b>85,646</b>	<b>113,741</b>	<b>100,986</b>
<b>Total Residual Engineering Expenses</b>		<b>199,826</b>	<b>344,018</b>	<b>414,966</b>	<b>457,455</b>	<b>457,508</b>

**South Orange County Wastewater Authority  
5-Year Residual Engineering Expenses Detail by Line Item  
(Final Budget will include 5 Year Plan)**

	FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 18-19 Budget	FY 2019-20 Budget
Capitalized Portion of Labor & Fringe				374,357	388,534

**South Orange County Wastewater Authority**  
**5-Year IT Expenses Detail by Line Item**  
**(Final Budget will include 5 Year Plan)**

		FY 2015-16 Actual	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Budget	FY 2019-20 Budget
01-6000-05-00-00	Regular Salaries-Admin & IT	66,870	44,447	84,015	93,378	98,482
01-6001-05-00-00	Overtime Salaries-Admin & IT	1,275	2,122	7,460	3,082	
01-6315-05-00-00	Comp Time - IT			2,749	2,332	
01-5401-05-00-00	Fringe Benefits IN to PC's & Depts.	52,159	38,501	61,803	67,232	70,851
	Total Salary & Fringe	120,304	85,071	156,028	166,024	169,333
Other Expenses						
01-5023-05-00-00	Office Supplies - All	91				
01-5028-05-00-00	Small Tools & Supplies	458			1,000	1,000
01-5031-05-00-00	Safety Supplies		195			
01-5035-05-00-00	Training Expense	99		11,100	12,000	-
01-5037-05-00-00	Office Equipment	3,626			400	600
01-5061-05-00-00	Mileage	83				
01-6101-05-00-00	Recruitment & Employee Relations, IT DEPT		684			
01-6102-05-00-00	Subscriptions	168	465		-	700
01-6200-05-00-00	Management Support Services	5,021	55,348	4,350	64,500	
01-6234-05-00-00	Memberships & Trainings	13,701	85	336	2,750	1,000
01-6239-05-00-00	Travel & Conference	1,586		2,608	4,210	3,500
01-6300-05-00-00	Software Maintenance Agreements	74,078	50,374	128,792	98,893	51,967
01-6301-05-00-00	Hardware Maintenance Agreements	150,043	13,230	5,529	11,657	7,126
01-6302-05-00-00	Cloud Subscriptions (Internet)	21,049		45,251	45,800	75,124
01-6303-05-00-00	Telecommunications	116,136	123,153	124,353	129,940	136,116
01-6305-05-00-00	IT Professional Services	158,246	193,545	121,847	157,000	236,919
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	4,692	75,827	59,166	46,800	20,900
01-6307-05-00-00	Small Software Purchases & Licenses(<\$5k)	13,469	33,674	48,838	43,735	24,908
01-6308-05-00-00	IT Memberships		521	1,138	160	160
01-6309-05-00-00	Operating Leases	42,880	44,903	56,935	55,200	55,200
01-6310-05-00-00	Miscellaneous		380	279	5,000	5,000
01-6312-05-00-00	Computer & Photocopy Supplies		3,194	4,023	2,275	
01-6601-05-00-00	Shipping/Freight				276	
	Total Other Expenses	605,426	595,576	614,544	681,596	620,220
<b>Total IT Expenses</b>		<b>725,730</b>	<b>680,646</b>	<b>770,572</b>	<b>847,620</b>	<b>789,553</b>
IT Allocations (Out) to PC's & Depts						
	Total IT Allocations (Out) to PC's & Depts	<b>(725,730)</b>	<b>(680,646)</b>	<b>(770,572)</b>	<b>(847,620)</b>	<b>(789,553)</b>

IT is a Service Center and "ALL" costs are distributed to Departments and Project Committees.



**PC 2**  
**Member Agency Allocation**

**Flows & Solids Loading FY 2019-20**

**FLOW SUMMARY (MGD)**

<b>Member Agency</b>	<b>Total Avg. Flow To Date</b>	<b>Total Percent To Date</b>	
CSJC	2.166	36.57%	
MNWD	1.400	23.64%	(1)
SCWD	1.639	27.67%	
SMWD	0.718	12.12%	(1)
	<b>5.923</b>	<b>100%</b>	

**PC 2 FY 2017-18 SOLIDS LOADING SUMMARY (Pounds)**

<b>Member Agency</b>	<b>Total 3Y FY Avg. Loadings To Date</b>	<b>Total Percent To Date</b>	
CSJC	5,815.437	23.90%	
MNWD	5,123.934	21.06%	(1)
SCWD	4,399.253	18.08%	
SMWD	8,991.562	36.96%	(1)
	<b>24,330.186</b>	<b>100%</b>	

(1) Allocation percentage based on agreement between SMWD and MNWD.

South Orange County Wastewater Authority  
FY 2019-20 PC 2 Line Item Detail and Wastewater Code Allocation %'s

Description	Account #	Total	Wastewater Allocation %				
			Liquids	Solids	C/Liquids	C/Solids	Total
Regular Salaries-O&M	02-5000-01-00-00	1,373,619	53.6%	43.5%	1.5%	1.5%	100.0%
Regular Salaries-O&M	02-5000-02-00-00	165,518	68.5%	11.6%	10.0%	10.0%	100.0%
Overtime Salaries-O&M	02-5001-01-00-00	33,644	37.8%	44.3%	9.0%	9.0%	100.0%
Overtime Salaries-O&M	02-5001-02-00-00	1,500	96.6%		1.7%	1.7%	100.0%
Electricity	02-5002-01-00-00	399,683	65.0%	25.0%	5.0%	5.0%	100.0%
Natural Gas	02-5003-01-00-00	168,000	65.0%	25.0%	5.0%	5.0%	100.0%
Water	02-5004-01-00-00	24,000	40.0%	50.0%	5.0%	5.0%	100.0%
Chlorine/Sodium Hypochlorite	02-5006-01-00-00	5,000	100.0%				100.0%
Polymer Products	02-5007-01-00-00	262,000		100.0%			100.0%
Ferric Chloride	02-5008-01-00-00	103,736		100.0%			100.0%
Odor Control Chemicals	02-5009-01-00-00	28,984	54.0%	46.0%			100.0%
Other Chemicals - Misc.	02-5010-01-00-00	1,000			50.0%	50.0%	100.0%
Laboratory Services	02-5011-02-00-00	10,920	75.0%	25.0%			100.0%
Grit Hauling - 21A	02-5012-01-00-00	51,254	100.0%				100.0%
Landscaping	02-5013-01-00-00	41,784			50.0%	50.0%	100.0%
Engineering - Misc.	02-5014-01-00-00				50.0%	50.0%	100.0%
Engineering - Misc.	02-5014-02-00-00				50.0%	50.0%	100.0%
Management Support Services	02-5015-01-00-00				50.0%	50.0%	100.0%
Management Support Services	02-5015-02-00-00	33,000			50.0%	50.0%	100.0%
Legal Fees	02-5017-01-03-00	3,328			50.0%	50.0%	100.0%
Contract Services Misc. - 29	02-5019-01-00-00	60,240			50.0%	50.0%	100.0%
Small Vehicle Expense - 31A	02-5021-01-00-00	10,000			50.0%	50.0%	100.0%
Small Vehicle Expense - 31A	02-5021-02-00-00				50.0%	50.0%	100.0%
Miscellaneous Expense	02-5022-01-00-00	8,000			50.0%	50.0%	100.0%
Office Supplies - All	02-5023-01-00-00	28,000			50.0%	50.0%	100.0%
Petroleum Products	02-5024-01-00-00	14,120	80.0%	20.0%			100.0%
Uniforms	02-5025-01-00-00	20,000	53.6%	43.5%	1.5%	1.5%	100.0%
Small Vehicle Fuel - 37A	02-5026-01-00-00	15,000			50.0%	50.0%	100.0%
Insurance - Property/Liability	02-5027-01-00-00	68,556			50.0%	50.0%	100.0%
Insurance - Property/Liability	02-5027-02-00-00				50.0%	50.0%	100.0%
Small Tools & Supplies	02-5028-01-00-00	35,500			50.0%	50.0%	100.0%
Small Tools & Supplies	02-5028-02-00-00				50.0%	50.0%	100.0%
Trash Disposal	02-5030-01-00-00	2,000			50.0%	50.0%	100.0%
Safety Supplies	02-5031-01-00-00				50.0%	50.0%	100.0%
Safety Supplies	02-5031-02-00-00	39,650			50.0%	50.0%	100.0%
Equipment Rental	02-5032-01-00-00	3,000			50.0%	50.0%	100.0%
Recruitment	02-5033-01-00-00	1,000			50.0%	50.0%	100.0%
Recruitment	02-5033-02-00-00				50.0%	50.0%	100.0%
Travel Expense/Tech. Conferences	02-5034-01-00-00	12,264			50.0%	50.0%	100.0%
Travel Expense/Tech. Conferences	02-5034-02-00-00	3,700			50.0%	50.0%	100.0%
Training Expense	02-5035-01-00-00	7,168			50.0%	50.0%	100.0%
Training Expense	02-5035-02-00-00	6,000			50.0%	50.0%	100.0%
Laboratory Supplies	02-5036-02-00-00	14,520	75.0%	25.0%			100.0%
Office Equipment	02-5037-01-00-00	13,000			50.0%	50.0%	100.0%
Permits	02-5038-01-00-00				50.0%	50.0%	100.0%
Permits	02-5038-02-00-00	22,500			50.0%	50.0%	100.0%
Membership Dues/Fees	02-5039-01-00-00	3,128			50.0%	50.0%	100.0%
Membership Dues/Fees	02-5039-02-00-00	1,072			50.0%	50.0%	100.0%
Biosolids Disposal - 21B	02-5049-01-00-00	450,000		100.0%			100.0%
Contract Services Generators - 29A	02-5050-01-00-00	10,000			50.0%	50.0%	100.0%
Janitorial Services	02-5052-01-00-00	41,000			50.0%	50.0%	100.0%
Contract Serv - Digester Cleaning- 29E	02-5053-01-00-00	60,000		100.0%			100.0%
Diesel Truck Maint - 31B	02-5054-01-00-00	21,000		100.0%			100.0%
Diesel Truck Fuel - 37B	02-5055-01-00-00	6,000		100.0%			100.0%
Maintenance Equip. & Facilities (Solids) 4	02-5056-01-00-00	155,000		100.0%			100.0%
Maintenance Equip. & Facilities (Liquids) 4	02-5057-01-00-00	254,000	100.0%				100.0%
Maintenance Equip. & Facilities (Common	02-5058-01-00-00	28,000			50.0%	50.0%	100.0%
Maintenance Equip. & Facilities (Co-Gen)	02-5059-01-00-00	370,000		100.0%	0.0%	0.0%	100.0%
Mileage	02-5061-01-00-00	1,000			50.0%	50.0%	100.0%
Mileage	02-5061-02-00-00	500			50.0%	50.0%	100.0%
SCADA Infrastructure	02-5076-01-03-00	7,000			50.0%	50.0%	100.0%
IT Direct	02-5077-01-03-00				50.0%	50.0%	100.0%
Non-Capital Engineering	02-5114-01-00-00				50.0%	50.0%	100.0%
Non-Capital Engineering	02-5114-02-01-00				50.0%	50.0%	100.0%
Vehicle Pay	02-5301-01-01-00		53.6%	43.5%	1.5%	1.5%	100.0%
Performance Based Merit Pay	02-5302-01-00-00		53.6%	43.5%	1.5%	1.5%	100.0%
Group Insurance Waiver	02-5303-01-01-00	3,600	53.6%	43.5%	1.5%	1.5%	100.0%
Group Insurance Waiver	02-5303-02-00-00		68.5%	11.6%	10.0%	10.0%	100.0%
Medicare Tax Payments for Employees	02-5305-01-00-00	1,119	53.6%	43.5%	1.5%	1.5%	100.0%
Medicare Tax Payments for Employees	02-5305-02-00-00		68.5%	11.6%	10.0%	10.0%	100.0%
Scheduled Holiday Work	02-5306-01-01-00	13,318	53.6%	43.5%	1.5%	1.5%	100.0%
Scheduled Holiday Work	02-5306-02-00-00		68.5%	11.6%	10.0%	10.0%	100.0%
Weekend Shift Pay	02-5307-01-00-00		53.6%	43.5%	1.5%	1.5%	100.0%
Weekend Shift Pay	02-5307-02-00-00		68.5%	11.6%	10.0%	10.0%	100.0%
Comp Time - O&M	02-5315-01-00-00	3,500	37.8%	44.3%	9.0%	9.0%	100.0%
Comp Time - O&M	02-5315-02-00-00		96.6%	0.0%	1.7%	1.7%	100.0%
Operating Leases	02-5309-01-00-00	21,800			50.0%	50.0%	100.0%
Fringe Benefits IN to PC's & Depts.	02-5401-01-00-00	988,221	53.6%	43.5%	1.5%	1.5%	100.0%
Fringe Benefits IN to PC's & Depts.	02-5401-02-00-00	119,078	68.5%	11.6%	10.0%	10.0%	100.0%
Standby Pay	02-5700-01-00-00	13,520			50.0%	50.0%	100.0%
Monthly Car Allowance	02-5705-01-00-00	8,400	53.6%	43.5%	1.5%	1.5%	100.0%
Monthly Car Allowance	02-5705-02-00-00	4,200	68.5%	11.6%	10.0%	10.0%	100.0%
Sales Tax	02-5801-01-00-00				50.0%	50.0%	100.0%
Shipping/Freight	02-5802-02-00-00				50.0%	50.0%	100.0%
Shipping/Freight	02-5802-01-00-00				50.0%	50.0%	100.0%
IT Allocations in to PC's & Depts.	02-6500-01-00-00	178,265			50.0%	50.0%	100.0%
IT Allocations in to PC's & Depts.	02-6500-02-00-00	21,481			50.0%	50.0%	100.0%
Rounding		9					
Total		5,875,424					

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 02 Distribution by Member Agency and Wastewater Code**

	Liquids			Solids			Common - Liquids			Common - Solids			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Budget by Wastewater Code</b>															
City of San Juan Capistrano	827,643	818,844	(8,799)	591,352	645,652	54,300	171,434	143,884	(27,550)	167,100	140,332	(26,768)	1,757,530	1,748,712	(8,818)
Moulton Niguel Water District	534,957	529,208	(5,749)	521,044	568,876	47,832	128,581	107,948	(20,633)	120,420	101,120	(19,300)	1,305,001	1,307,152	2,151
Santa Margarita Water District	274,599	271,348	(3,251)	914,324	998,260	83,936	96,501	80,960	(15,541)	158,076	132,724	(25,352)	1,443,499	1,483,292	39,793
South Coast Water District	626,099	619,428	(6,671)	447,344	488,408	41,064	160,689	134,880	(25,809)	111,408	93,552	(17,856)	1,345,541	1,336,268	(9,273)
<b>Total</b>	<b>2,263,298</b>	<b>2,238,828</b>	<b>(24,470)</b>	<b>2,474,064</b>	<b>2,701,196</b>	<b>227,132</b>	<b>557,205</b>	<b>467,672</b>	<b>(89,533)</b>	<b>557,004</b>	<b>467,728</b>	<b>(89,276)</b>	<b>5,851,571</b>	<b>5,875,424</b>	<b>23,853</b>
<b>Budget Change vs. 2015-16 Actual</b>			<b>-1.1%</b>			<b>9.2%</b>			<b>-16.1%</b>			<b>-16.0%</b>			<b>0.4%</b>

	Liquids			Solids			Common - Liquids			Common - Solids			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Wastewater Code Allocation %'s</b>															
City of San Juan Capistrano	36.6%	36.57%	0.0%	23.9%	23.90%	0.0%	30.8%	30.8%	0.0%	30.0%	30.0%	0.0%	30.0%	29.8%	-0.3%
Moulton Niguel Water District	23.6%	23.64%	0.0%	21.1%	21.06%	0.0%	23.1%	23.1%	0.0%	21.6%	21.6%	0.0%	22.3%	22.2%	-0.1%
Santa Margarita Water District	12.1%	12.12%	0.0%	37.0%	36.96%	0.0%	17.3%	17.3%	0.0%	28.4%	28.4%	0.0%	24.7%	25.2%	0.6%
South Coast Water District	27.7%	27.67%	0.0%	18.1%	18.081%	0.0%	28.8%	28.8%	0.0%	20.0%	20.0%	0.0%	23.0%	22.7%	-0.3%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

**PC 5**  
**Member Agency Allocation**

**Flows FY 2019-20**

**Operations Cost Distribution Analysis recommended by      Carollo**  
**Engineers and Approved by Board**

All Variable Costs were moved to Fixed Costs

<b>Member Agency Wastewater Code Allocation %'s</b>	<b>Fixed</b>		
	<b>FY 17-18 Actual</b>	<b>FY 19-20 Budget</b>	<b>Variance</b>
City of San Clemente	16.6%	16.6%	0.0%
City of San Juan Capistrano	11.1%	11.1%	0.0%
Moulton Niguel Water District	15.5%	15.5%	0.0%
Santa Margarita Water District	44.3%	44.3%	0.0%
South Coast Water District	12.5%	12.5%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

Note: In previous years, the prior year Use Audit Actual Flows were used to distribute Variable Costs.

<b>FY 2017-18 Use Audit Actuals</b>		
<b>Member Agency</b>	<b>Outfall Flows MGD</b>	<b>Outfall Flows %</b>
CSC	2.531	21.89%
CSJC	2.59	22.40%
MNWD	2.549	22.05%
SCWD	2.27	19.63%
SMWD	1.621	14.02%
<b>Total</b>	<b>11.561</b>	<b>100%</b>

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 5 Line Item Detail and Wastewater Code Allocation %'s**

Description	Account #	Total	Wastewater Allocation %				Total
			Fixed	EPS	Var 5%	Var 95%	
Regular Salaries-O&M	05-5000-01-11-00	617	100.0%				100.0%
Regular Salaries-O&M	05-5000-02-00-00	101,492	100.0%				100.0%
Overtime Salaries-O&M	05-5001-01-11-00		100.0%				100.0%
Overtime Salaries-O&M	05-5001-02-00-00	900	100.0%				100.0%
Electricity	05-5002-01-00-00		100.0%				100.0%
Electricity	05-5002-02-00-00		100.0%				100.0%
Natural Gas	05-5003-01-00-00	500	100.0%				100.0%
Natural Gas	05-5003-02-00-00		100.0%				100.0%
Engineering - Misc.	05-5014-01-00-00		100.0%				100.0%
Engineering - Misc.	05-5014-02-00-00		100.0%				100.0%
Management Support Services	05-5015-02-00-00	15,000	100.0%				100.0%
Legal Fees	05-5017-01-00-00	1,000	100.0%				100.0%
Legal Fees	05-5017-02-00-00	2,008	100.0%				100.0%
Miscellaneous Expense	05-5022-02-00-00		100.0%				100.0%
Small Vehicle Fuel	05-5026-01-00-00		100.0%				100.0%
Small Vehicle Fuel	05-5026-02-00-00		100.0%				100.0%
Insurance/Property & Liability	05-5027-01-00-00	6,246	100.0%				100.0%
Insurance - Property/Liability	05-5027-02-00-00		100.0%				100.0%
Safety Supplies	05-5031-02-00-00	1,000	100.0%				100.0%
Travel Expense/Tech. Conferences	05-5034-02-00-00	3,712	100.0%				100.0%
Training	05-5035-02-00-00	5,984	100.0%				100.0%
Laboratory Supplies	05-5036-02-00-00	19,464	100.0%				100.0%
Permits	05-5038-02-00-00	196,000	100.0%				100.0%
Memberships Dues/Fees	05-5039-02-00-00	5,500	100.0%				100.0%
Natural Gas - 11-EPS - PC 5	05-5040-02-00-00		100.0%				100.0%
Electricity - 10-EPS - PC 5	05-5041-02-00-00		100.0%				100.0%
Contract Services - 29-EPS - PC 5	05-5042-02-00-00		100.0%				100.0%
Offshore Monitoring - 20A	05-5044-02-00-00	18,000	100.0%				100.0%
Offshore Biochemistry - 20B	05-5045-02-00-00		100.0%				100.0%
Effluent Chemistry - 20C	05-5046-02-00-00	14,000	100.0%				100.0%
Maintenance Equip & Facilities (Solids) 41-A	05-5056-01-02-00		100.0%				100.0%
Maintenance Equip & Facilities (Common)	05-5058-01-00-00	1,000	100.0%				100.0%
Port Cleaning	05-5067-02-00-00		100.0%				100.0%
Misc-Capital-Dilution & Metering Study	05-5069-02-00-00	30,000	100.0%				100.0%
Employee Recognition	05-5101-02-00-00		100.0%				100.0%
Vehicle Pay	05-5301-02-00-00		100.0%				100.0%
Medicare Tax Payments to Employees	05-5305-02-00-00		100.0%				100.0%
Scheduled Holiday Work	05-5306-01-00-00		100.0%				100.0%
Scheduled Holiday Work	05-5306-02-00-00		100.0%				100.0%
Weekend Shift Pay	05-5307-02-11-00		100.0%				100.0%
Fringe Benefits IN to PC's & Depts.	05-5401-01-11-00	444	100.0%				100.0%
Fringe Benefits IN to PC's & Depts.	05-5401-02-00-00	73,016	100.0%				100.0%
Monthly Car Allowance	05-5705-02-00-00		100.0%				100.0%
Sales Tax	05-5801-02-00-00		100.0%				100.0%
Shipping / Freight	05-5802-01-00-00		100.0%				100.0%
IT Allocations in to PC's & Depts.	05-6500-01-00-00	80	100.0%				100.0%
IT Allocations in to PC's & Depts.	05-6500-02-00-00	13,171	100.0%				100.0%
Rounding		1					
<b>Total</b>		<b>509,144</b>					

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 05 Distribution by Member Agency and Wastewater Code**

	Fixed			Var 5%			VAR 95%			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Budget by Wastewater Code</b>												
City of San Clemente	30,112	84,628	54,516	1,982	-	(1,982)	49,124	-	(49,124)	81,218	84,628	3,410
City of San Juan Capistrano	20,076	56,420	36,344	1,335	-	(1,335)	50,268	-	(50,268)	71,679	56,420	(15,259)
Moulton Niguel Water District	28,096	78,968	50,872	1,854	-	(1,854)	49,484	-	(49,484)	79,434	78,968	(466)
Santa Margarita Water District	80,292	225,640	145,348	5,270	-	(5,270)	31,480	-	(31,480)	117,042	225,640	108,598
South Coast Water District	22,592	63,488	40,896	1,498	-	(1,498)	44,068	-	(44,068)	68,158	63,488	(4,670)
<b>Total</b>	<b>181,168</b>	<b>509,144</b>	<b>327,976</b>	<b>11,940</b>	<b>-</b>	<b>(11,940)</b>	<b>224,424</b>	<b>-</b>	<b>(224,424)</b>	<b>417,532</b>	<b>509,144</b>	<b>91,612</b>

	Fixed			Var 5%			VAR 95%			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Wastewater Code Allocation %'s</b>												
City of San Clemente	16.6%	16.6%	0.0%	16.6%	-	-16.6%	21.9%	-	-21.9%	19.5%	16.6%	-2.8%
City of San Juan Capistrano	11.1%	11.1%	0.0%	11.2%	-	-11.2%	22.4%	-	-22.4%	17.2%	11.1%	-6.1%
Moulton Niguel Water District	15.5%	15.5%	0.0%	15.5%	-	-15.5%	22.0%	-	-22.0%	19.0%	15.5%	-3.5%
Santa Margarita Water District	44.3%	44.3%	0.0%	44.1%	-	-44.1%	14.0%	-	-14.0%	28.0%	44.3%	16.3%
South Coast Water District	12.5%	12.5%	0.0%	12.5%	-	-12.5%	19.6%	-	-19.6%	16.3%	12.5%	-3.9%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>-</b>	<b>-100%</b>	<b>100.0%</b>	<b>-</b>	<b>-100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 8 Line Item Detail and Wastewater Code Allocation %'s**

Description	Account #	Total	Wastewater Allocation %	
			Timecard	Insurance
Regular Salaries-O&M	08-5000-02-00-00	92,347	100.00%	
Overtime Salaries-O&M	08-5001-02-00-00		100.00%	
Laboratory Services	08-5011-02-00-00	3,000	100.00%	
Management Support Services	08-5015-02-00-00	2,008	100.00%	
Audit - Environmental	08-5016-02-00-00	600	100.00%	
Legal Fees	08-5017-02-00-00	2,500	100.00%	
Public Notices/ Public Relations	08-5018-02-00-00	5,000	100.00%	
Small Vehicle Expense - 31A	08-5021-02-00-00	1,056	100.00%	
Miscellaneous Expense	08-5022-02-00-00	2,008	100.00%	
Small Vehicle Fuel - 37A	08-5026-02-00-00	1,496	100.00%	
Insurance - Property/Liability	08-5027-02-00-00	2,160		100.00%
Small Tools & Supplies	08-5028-02-00-00	3,880	100.00%	
Safety Program & Supplies	08-5031-02-00-00		100.00%	
Travel Expense/Tech. Conferences	08-5034-02-00-00	4,344	100.00%	
Training Expense	08-5035-02-00-00	1,564	100.00%	
Permits and Fines	08-5038-02-00-00	10,012	100.00%	
Memberships	08-5039-02-00-00	1,016	100.00%	
Comp Time	08-5315-02-00-00		100.00%	
Fringe Benefits IN to PC's & Depts.	08-5401-02-00-00	66,437	100.00%	
IT Allocation	08-6500-02-08-00	11,985	100.00%	
Rounding				
<b>Total</b>		<b>211,416</b>		

# **South Orange County Wastewater Authority** **FY 2019-20 PC 08 Distribution by Member Agency and Wastewater Code**

	Insurance			Time Card			Total		
	FY 17-18	FY 19-20	Variance	FY 17-18	FY 19-20	Variance	FY 17-18	FY 19-20	Variance
	Actual	Budget		Actual	Budget		Actual	Budget	
<b>Member Agency Budget by Wastewater Code</b>									
City of Laguna Beach	212	240	28	6,365	8,054	1,689	6,577	8,294	1,717
City of San Clemente	212	240	28	14,030	17,980	3,950	14,242	18,220	3,978
City of San Juan Capistrano	212	240	28	10,295	21,005	10,710	10,507	21,245	10,738
El Toro Water District	212	240	28	2,054	2,610	556	2,266	2,850	584
Emerald Bay Service District	212	240	28	2,146	2,634	488	2,358	2,874	516
Irvine Ranch Water District	212	240	28	19,946	25,395	5,449	20,158	25,635	5,477
Moulton Niguel Water District	212	240	28	30,814	46,475	15,661	31,026	46,715	15,689
Santa Margarita Water District	212	240	28	35,537	52,357	16,820	35,749	52,597	16,848
South Coast Water District	212	240	28	25,759	32,746	6,987	25,971	32,986	7,015
<b>Total</b>	<b>1,908</b>	<b>2,160</b>	<b>252</b>	<b>146,947</b>	<b>209,256</b>	<b>62,309</b>	<b>148,855</b>	<b>211,416</b>	<b>62,561</b>

	Insurance			Time Card			Total		
	FY 17-18	FY 19-20	Variance	FY 17-18	FY 19-20	Variance	FY 17-18	FY 19-20	Variance
	Actual	Budget		Actual	Budget		Actual	Budget	
<b>Member Agency Wastewater Code Allocation %'s</b>									
City of Laguna Beach	11.1%	11.1%	0.0%	4.3%	3.8%	-0.5%	4.4%	3.9%	-0.5%
City of San Clemente	11.1%	11.1%	0.0%	9.5%	8.6%	-1.0%	9.6%	8.6%	-0.9%
City of San Juan Capistrano	11.1%	11.1%	0.0%	7.0%	10.0%	3.0%	7.1%	10.0%	3.0%
El Toro Water District	11.1%	11.1%	0.0%	1.4%	1.2%	-0.2%	1.5%	1.3%	-0.2%
Emerald Bay Service District	11.1%	11.1%	0.0%	1.5%	1.3%	-0.2%	1.6%	1.4%	-0.2%
Irvine Ranch Water District	11.1%	11.1%	0.0%	13.6%	12.1%	-1.4%	13.5%	12.1%	-1.4%
Moulton Niguel Water District	11.1%	11.1%	0.0%	21.0%	22.2%	1.2%	20.8%	22.1%	1.3%
Santa Margarita Water District	11.1%	11.1%	0.0%	24.2%	25.0%	0.8%	24.0%	24.9%	0.9%
South Coast Water District	11.1%	11.1%	0.0%	17.5%	15.6%	-1.9%	17.4%	15.6%	-1.8%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>



**PC 12  
Member Agency Allocation**

**Recycled Water Projections FY 2019-20**

<b>Member Agency</b>	<b>Region 9 Recyled Use FY 2017/18 acft</b>	<b>% RW Use FY 2017/18 %</b>	
CSJC	760	4.35	
ETWD	-	-	(1)
IRWD	1233	7.06	(2)
MNWD	7055	40.36	
SCWD	781	4.47	
SMWD	7140	40.85	
TCWD	509	2.91	
<b>Total</b>	<b>17480</b>	<b>100%</b>	

\*Allocation based on FY 2017-18 use audit actuals

- (1) El Toro Water District no longer participating in PC 12 as of FY 17-18.  
 (2) Irvine Ranch Water District no longer participating in PC 12 as of FY 18-19.

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 12 Line Item Detail and Wastewater Code Allocation %'s**

Description	Account #	Total	Wastewater Allocation %	
			Region 9 (Var)	Equally (Fixed)
Regular Salaries-O&M	12-5000-01-00-00		50.0%	50.0%
Regular Salaries-O&M	12-5000-02-00-00	35,084	50.0%	50.0%
Overtime Salaries-O&M	12-5001-02-00-00		50.0%	50.0%
Management Support Services	12-5015-02-00-00	125,000	50.0%	50.0%
Legal Fees	12-5017-02-00-00	2,000	50.0%	50.0%
Insurance	12-5027-02-00-00	2,369	50.0%	50.0%
Travel Expense/Tech. Conferences	12-5034-02-00-00	2,280	50.0%	50.0%
Permits	12-5038-02-00-00	20,000	50.0%	50.0%
Medicare Tax Payments for Employees	12-5305-02-00-00		50.0%	50.0%
Scheduled Holiday Work	12-5306-02-00-00		50.0%	50.0%
Fringe Benefits IN to PC's & Depts.	12-5401-01-00-00		50.0%	50.0%
Fringe Benefits IN to PC's & Depts.	12-5401-02-00-00	25,248	50.0%	50.0%
Monthly Car Allowance	12-5705-02-00-00		50.0%	50.0%
IT Allocations in to PC's & Depts.	12-6500-02-00-00	4555	50.0%	50.0%
Rounding				
<b>Total</b>		<b>216,536</b>		

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 12 (2SO) Distribution by Member Agency and Wastewater Code**

**Member Agency Budget by Wastewater Code**

Region 9			Equally			Total		
FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
1,728	5,067	3,340	6,624	21,654	15,030	8,352	26,721	18,369
2,808	-	(2,808)	6,624	-	(6,624)	9,432	-	(9,432)
16,050	47,021	30,971	6,624	21,654	15,030	22,674	68,674	46,000
16,246	47,584	31,338	6,624	21,654	15,030	22,870	69,237	46,367
1,784	5,208	3,424	6,624	21,654	15,030	8,408	26,861	18,454
1,163	3,389	2,226	6,624	21,654	15,030	7,787	25,042	17,256
39,778	108,268	68,490	39,744	108,268	68,524	79,521	216,536	137,015

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

Region 9			Equally			Total		
FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
4.3%	4.7%	0.3%	16.7%	20.0%	3.3%	10.5%	12.3%	1.8%
7.1%	0.0%	-7.1%	16.7%	0.0%	-16.7%	11.9%	0.0%	-11.9%
40.3%	43.4%	3.1%	16.7%	20.0%	3.3%	28.5%	31.7%	3.2%
40.8%	43.9%	3.1%	16.7%	20.0%	3.3%	28.8%	32.0%	3.2%
4.5%	4.8%	0.3%	16.7%	20.0%	3.3%	10.6%	12.4%	1.8%
2.9%	3.1%	0.2%	16.7%	20.0%	3.3%	9.8%	11.6%	1.8%
100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**PC 15**  
**Member Agency Allocation**

**Flows FY 2019-20**

<b>Member Agency</b>	<b>Plant Flows MGD</b>	<b>Plant Flow %</b>
CLB	1.596	57.73
EBSD	0.049	1.78
SCWD	1.120	40.49
MNWD	-	-
<b>Total</b>	<b>2.765</b>	<b>100%</b>

\*Allocation based on FY 2017-18 use audit actuals

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 15 Line Item Detail and Wastewater Code Allocation %'s**

Description	Account #	Total	Wastewater Allocation %					
			Liquids	Solids	C/Liquids	C/Solids	AWT	Total
Regular Salaries-O&M	15-5000-01-00-00	814,356	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Regular Salaries-O&M	15-5000-02-00-00	140,063	66.4%	0.0%	22.6%	0.0%	11.0%	100.0%
Overtime Salaries-O&M	15-5001-01-00-00	17,928	82.5%	0.0%	3.4%	0.0%	14.1%	100.0%
Overtime Salaries-O&M	15-5001-02-00-00	1,000	83.1%	0.0%		0.0%	16.9%	100.0%
Electricity	15-5002-01-00-00	270,960	100.0%					100.0%
Natural Gas	15-5003-01-00-00	3,000	50.0%		50.0%			100.0%
Water	15-5004-01-00-00	31,000	90.0%		10.0%	0.0%		100.0%
Chlorine/Sodium Hypochlorite	15-5006-01-00-00	99,000	1.0%				99.0%	100.0%
Polymer Products	15-5007-01-00-00	1,000	43.0%				57.0%	100.0%
Ferric Chloride	15-5008-01-00-00	28,372	100.0%					100.0%
Odor Control Chemicals	15-5009-01-00-00	56,218	100.0%					100.0%
Other Chemicals - Misc	15-5010-01-00-00		100.0%					100.0%
Laboratory Services	15-5011-02-00-00	14,000	50.0%				50.0%	100.0%
Grit Hauling - 21A	15-5012-01-00-00	30,000	100.0%					100.0%
Landscaping	15-5013-01-00-00	50,546			100.0%	0.0%		100.0%
Engineering - Misc.	15-5014-01-00-00	1,000			100.0%	0.0%		100.0%
Engineering - Misc.	15-5014-02-00-00				100.0%	0.0%		100.0%
Management Support Services	15-5015-01-00-00				100.0%	0.0%		100.0%
Management Support Services	15-5015-02-00-00	4,500			100.0%	0.0%		100.0%
Legal Fees	15-5017-01-00-00	15,000			100.0%	0.0%		100.0%
Contract Services Misc. - 29	15-5019-01-00-00	59,037			100.0%	0.0%		100.0%
Small Vehicle Expense - 31A	15-5021-01-00-00	6,000			100.0%	0.0%		100.0%
Small Vehicle Expense - 31A	15-5021-02-00-00				100.0%	0.0%		100.0%
Miscellaneous Expense	15-5022-01-00-00	3,000			100.0%	0.0%		100.0%
Office Supplies - All	15-5023-01-00-00	4,000			100.0%	0.0%		100.0%
Petroleum Products	15-5024-01-00-00	1,661	100.0%					100.0%
Uniforms	15-5025-01-00-00	9,000	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Small Vehicle Fuel - 37A	15-5026-01-00-00	5,000			100.0%			100.0%
Insurance - Property/Liability	15-5027-01-00-00	35,373			100.0%	0.0%		100.0%
Insurance - Property/Liability	15-5027-02-00-00				100.0%	0.0%		100.0%
Small Tools & Supplies	15-5028-01-00-00	9,524			100.0%	0.0%		100.0%
Trash Disposal	15-5030-01-00-00	3,000			100.0%	0.0%		100.0%
Safety Supplies	15-5031-01-00-00				100.0%	0.0%		100.0%
Safety Supplies	15-5031-02-00-00	36,050			100.0%	0.0%		100.0%
Equipment Rental	15-5032-01-00-00	1,000			100.0%	0.0%		100.0%
Recruitment	15-5033-01-00-00	1,000			100.0%	0.0%		100.0%
Travel Expense/Tech. Conferences	15-5034-01-00-00	12,260			100.0%	0.0%		100.0%
Travel Expense/Tech. Conferences	15-5034-02-00-00	3,704			100.0%	0.0%		100.0%
Training Expense	15-5035-01-00-00	7,168			100.0%	0.0%		100.0%
Training Expense	15-5035-02-00-00	6,100			100.0%	0.0%		100.0%
Laboratory Supplies	15-5036-02-00-00	16,500	75.0%				25.0%	100.0%
Office Equipment	15-5037-01-00-00	2,000			100.0%	0.0%		100.0%
Permits	15-5038-01-00-00				100.0%	0.0%		100.0%
Permits	15-5038-02-00-00	23,236			100.0%	0.0%		100.0%
Membership Dues/Fees	15-5039-01-00-00	1,340			100.0%	0.0%		100.0%
Membership Dues/Fees	15-5039-02-00-00	1,028			100.0%	0.0%		100.0%
Access Road Expenses	15-5047-01-00-00	49,000			100.0%	0.0%		100.0%
Storm Damage	15-5048-01-00-00	20,000			100.0%	0.0%		100.0%
Biosolids Disposal - 21B	15-5049-01-00-00		100.0%					100.0%
Contract Services Generators - 29A	15-5050-01-00-00	4,000			100.0%	0.0%		100.0%
Janitorial Services	15-5052-01-00-00	20,000			100.0%	0.0%		100.0%
Diesel Truck Maint - 31B	15-5054-01-00-00	1,000	100.0%					100.0%
Diesel Truck Maint Fuel	15-5055-01-00-00	1,000	100.0%					100.0%
Maintenance Equip. & Facilities (Liquids) 4	15-5057-01-00-00	179,000	100.0%					100.0%
Maintenance Equip. & Facilities (Common)	15-5058-01-00-00	22,000			100.0%	0.0%		100.0%
Maintenance Equip. & Facilities (AWT) 41-	15-5060-01-00-00	37,000					100.0%	100.0%
Mileage	15-5061-01-00-00				100.0%			100.0%
SCADA Infrastructure	15-5076-01-00-00	7,000			100.0%	0.0%		100.0%
IT Direct	15-5077-01-00-00				100.0%	0.0%		100.0%
Comp Time	15-5315-01-00-00	4,283	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Performance Based Merit Pay	15-5302-01-00-00		71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Group Insurance Waiver	15-5303-01-00-00	3,600	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Medicare Tax Payments for Employees	15-5305-01-00-00	1,674	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Scheduled Holiday Work	15-5306-01-00-00	2,596	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Scheduled Holiday Work	15-5306-02-00-00		66.4%	0.0%	22.6%	0.0%	11.0%	100.0%
Weekend Shift Pay	15-5307-01-00-00		71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Weekend Shift Pay	15-5307-02-00-00		66.4%	0.0%	22.6%	0.0%	11.0%	100.0%
Fringe Benefits IN to PC's & Depts.	15-5401-01-00-00	585,871	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Fringe Benefits IN to PC's & Depts.	15-5401-02-00-00	100,765	66.4%	0.0%	22.6%	0.0%	11.0%	100.0%
Standby Pay	15-5700-01-00-00	27,040		0.0%	100.0%	0.0%		100.0%
Monthly Car Allowance	15-5705-01-00-00	4,200	71.0%	0.0%	9.7%	0.0%	19.3%	100.0%
Sales Tax	15-5801-01-00-00							0.0%
Group Insurance Waiver	15-5303-02-00-00		66.4%	0.0%	22.6%	0.0%	11.0%	100.0%
Shipping/Freight	15-5802-01-00-00				100.0%			100.0%
Shipping/Freight	15-5802-02-00-00				100.0%			100.0%
IT Allocations in to PC's & Depts.	15-6500-01-00-00	105,685			100.0%	0.0%		100.0%
IT Allocations in to PC's & Depts.	15-6500-02-00-00	18,177			100.0%	0.0%		100.0%
Rounding								
<b>Total</b>		<b>3,018,816</b>						

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 15 Distribution by Member Agency and Wastewater Code**

**Member Agency Budget by Wastewater Code**

Liquids			Common Liquids			AWT			Total		
FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
810,686	1,042,348	231,662	246,187	288,912	42,725	-	-	-	1,056,873	1,331,260	274,387
25,039	32,168	7,129	19,420	22,780	3,360	-	-	-	44,459	54,948	10,489
-	-	-	190,024	222,912	32,888	-	-	-	190,024	222,912	32,888
568,834	731,184	162,350	193,836	227,484	33,648	292,716	451,028	158,312	1,055,386	1,409,696	354,310
1,404,558	1,805,700	401,142	649,467	762,088	112,621	292,716	451,028	158,312	2,346,742	3,018,816	672,074
		28.6%			17.3%			54.1%			28.6%

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

Liquids			Common Liquids			AWT			Total		
FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance
57.7%	57.7%	0.0%	37.9%	37.9%	0.0%	-	-	-	45.0%	44.1%	-0.9%
1.8%	1.8%	0.0%	3.0%	3.0%	0.0%	-	-	-	1.9%	1.8%	-0.1%
0.0%	0.0%	0.0%	29.3%	29.3%	0.0%	-	-	-	8.1%	7.4%	-0.7%
40.5%	40.5%	0.0%	29.8%	29.9%	0.0%	100.0%	100.0%	0.0%	45.0%	46.7%	1.7%
100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**PC 17**  
**Member Agency Allocation**

**Flows & Solids Loading FY 2019-20**

<b>Liquids</b>				
<b>Member Agency</b>	<b>Plant Influent MGD</b>	<b>Centrate Flow MGD</b>	<b>Total Liquid Flow MGD</b>	<b>Liquid Flow %</b>
CLB	-	0.017632	0.061900	0.7878
EBS	-	0.017632	0.001909	0.0243
SCWD	-	0.017632	0.043415	0.5525
ETWD	-	0.017632	0.020292	0.2583
MNWD	7.712164	0.017632	7.729796	98.3771
	<b>7.712164</b>	<b>0.088158</b>	<b>7.857312</b>	<b>100%</b>

<b>Solids</b>		
<b>Member</b>	<b>2017-18 #/Day</b>	<b>2017-18 %</b>
CLB	6,368	16.06%
ETWD	5,909	14.90%
EBS	196	0.50%
MNWD	23,024	58.06%
SCWD	4,157	10.48%
<b>Total</b>	<b>39,655</b>	<b>100%</b>

\*Allocation based on FY 2017-18 use audit actuals

South Orange County Wastewater Authority  
FY 2019-20 PC 17 Line Item Detail and Wastewater Code Allocation %'s

Description	Account #	Total	Wastewater Allocation %					
			Liquids	Solids	C/Liquids	C/Solids	AWT	Total
Regular Salaries-O&M	17-5000-01-00-00	1,500,953	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Regular Salaries-O&M	17-5000-02-00-00	296,467	66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Overtime Salaries-O&M	17-5001-01-00-00	51,076	39.5%	54.1%	0.7%	0.7%	5.0%	100.0%
Overtime Salaries-O&M	17-5001-02-00-00	3,000	73.5%	2.7%	0.0%	0.0%	23.8%	100.0%
Electricity	17-5002-01-00-00	351,915	51.5%	32.8%	5.4%	5.4%	5.0%	100.0%
Natural Gas	17-5003-01-00-00	95,000		100.0%				100.0%
Water	17-5004-01-00-00	30,000	37.0%	56.5%	6.5%			100.0%
MNWD Potable Water Supplies & Svcs.	17-5004-02-00-00		37.0%	56.5%	6.5%			100.0%
Co-generation Power Credit	17-5005-01-00-00	(325,000)		100.0%				100.0%
Chlorine/Sodium Hypochlorite	17-5006-01-00-00	402,000	4.0%				96.0%	100.0%
Polymer Products	17-5007-01-00-00	422,000	17.5%	82.2%			0.3%	100.0%
Ferric Chloride	17-5008-01-00-00	172,892		100.0%				100.0%
Odor Control Chemicals	17-5009-01-00-00	44,799	65.0%	35.0%				100.0%
Other Chemicals - Misc.	17-5010-01-00-00	2,000			50.0%	50.0%		100.0%
Laboratory Services	17-5011-02-00-00	16,496	50.0%	25.0%			25.0%	100.0%
Grit Hauling - 21A	17-5012-01-00-00	47,000	100.0%					100.0%
Landscaping	17-5013-01-00-00	67,670			50.0%	50.0%		100.0%
Engineering - Misc.	17-5014-01-00-00				50.0%	50.0%		100.0%
Engineering - Misc.	17-5014-02-00-00				50.0%	50.0%		100.0%
Management Support Services	17-5015-01-00-00				50.0%	50.0%		100.0%
Management Support Services	17-5015-02-00-00	13,200			50.0%	50.0%		100.0%
Legal Fees	17-5017-01-00-00	1,500			50.0%	50.0%		100.0%
Contract Services Misc. - 29	17-5019-01-00-00	80,723			50.0%	50.0%		100.0%
Postage	17-5020-01-00-00				50.0%	50.0%		100.0%
Small Vehicle Expense - 31A	17-5021-01-00-00	7,000			50.0%	50.0%		100.0%
Miscellaneous Expense	17-5022-01-00-00	5,000			50.0%	50.0%		100.0%
Office Supplies - All	17-5023-01-00-00	11,000			50.0%	50.0%		100.0%
Petroleum Products	17-5024-01-00-00	33,219	7.4%	92.6%				100.0%
Uniforms	17-5025-01-00-00	25,000	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Small Vehicle Fuel - 37A	17-5026-01-00-00	10,000			50.0%	50.0%		100.0%
Insurance - Property/Liability	17-5027-01-00-00	88,132			50.0%	50.0%		100.0%
Insurance - Property/Liability	17-5027-02-00-00				50.0%	50.0%		100.0%
Small Tools & Supplies	17-5028-01-00-00	25,976			50.0%	50.0%		100.0%
Trash Disposal	17-5030-01-00-00	2,000			50.0%	50.0%		100.0%
Safety Supplies	17-5031-01-00-00				50.0%	50.0%		100.0%
Safety Supplies	17-5031-02-00-00	39,650			50.0%	50.0%		100.0%
Equipment Rental	17-5032-01-00-00	3,000			50.0%	50.0%		100.0%
Recruitment	17-5033-01-00-00	1,000	0.0%	0.0%	50.0%	50.0%	0.0%	100.0%
Travel Expense/Tech. Conferences	17-5034-01-00-00	12,256			50.0%	50.0%		100.0%
Travel Expense/Tech. Conferences	17-5034-02-00-00	3,700			50.0%	50.0%		100.0%
Training Expense	17-5035-01-00-00	9,172			50.0%	50.0%		100.0%
Training Expense	17-5035-02-00-00	6,000			50.0%	50.0%		100.0%
Laboratory Supplies	17-5036-01-00-00		50.0%	25.0%			25.0%	100.0%
Laboratory Supplies	17-5036-02-00-00	23,208	50.0%	25.0%			25.0%	100.0%
Office Equipment	17-5037-01-00-00	10,000			50.0%	50.0%		100.0%
Permits	17-5038-01-00-00				50.0%	50.0%		100.0%
Permits	17-5038-02-00-00	41,624			50.0%	50.0%		100.0%
Membership Dues/Fees	17-5039-01-00-00	3,280			50.0%	50.0%		100.0%
Membership Dues/Fees	17-5039-02-00-00	1,032			50.0%	50.0%		100.0%
Biosolids Disposal - 21B	17-5049-01-00-00	905,000		100.0%				100.0%
Contract Services Generators - 29A	17-5050-01-00-00	8,000			50.0%	50.0%		100.0%
Janitorial Services	17-5052-01-00-00	41,000			50.0%	50.0%		100.0%
Contract Serv - Digester Cleaning - 29E	17-5053-01-00-00			100.0%				100.0%
Diesel Truck Maint - 31B	17-5054-01-00-00	19,000		100.0%				100.0%
Diesel Truck Fuel - 37B	17-5055-01-00-00	8,000		100.0%				100.0%
Maintenance Equip. & Facilities (Solids) 41-	17-5056-01-00-00	201,000		100.0%				100.0%
Maintenance Equip. & Facilities (Liquids) 4-	17-5057-01-00-00	230,000	100.0%					100.0%
Maintenance Equip. & Facilities (Common) 17-	5058-01-00-00	35,000			50.0%	50.0%		100.0%
Maintenance Equip. & Facilities (Co-Gen) 41-	5059-01-00-00	588,000		100.0%				100.0%
Maintenance Equip. & Facilities (AWT) 41-I	17-5060-01-00-00	37,000					100.0%	100.0%
Mileage	17-5061-01-00-00	1,000			50.0%	50.0%		100.0%
Mileage	17-5061-02-00-00				50.0%	50.0%		100.0%
MNWD Potable Water Supplies & Svcs.	17-5068-02-00-00	24,972					100.0%	100.0%
SCADA Infrastructure	17-5076-01-03-00	7,000			50.0%	50.0%		100.0%
IT Direct	17-5077-01-00-00				50.0%	50.0%		100.0%
Employee Recognition	17-5101-01-00-00		43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Co-Generation Power Credit - Offset	17-5105-01-00-00	325,000	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Comp Time - O&M	17-5315-01-00-00		43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Performance Based Merit Pay	17-5302-01-00-00		43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Group Insurance Waiver	17-5303-02-00-00	3,600	66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Medicare Tax Payments for Employees	17-5305-01-00-00		43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Medicare Tax Payments for Employees	17-5305-02-00-00		66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Scheduled Holiday Work	17-5306-01-00-00	12,775	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Scheduled Holiday Work	17-5306-02-00-00		66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Group Insurance Waiver	17-5303-01-00-00	3,600	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Weekend Shift Pay	17-5307-02-00-00		66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Comp Time - O&M	17-5315-02-00-00		66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Operating Leases	17-5309-01-00-00		43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Fringe Benefits IN to PC's & Depts.	17-5401-01-00-00	1,079,829	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Fringe Benefits IN to PC's & Depts.	17-5401-02-00-00	213,287	66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Standby Pay	17-5700-01-00-00	27,040			50.0%	50.0%		100.0%
Monthly Car Allowance	17-5705-01-00-00	7,200	43.5%	47.2%	1.7%	1.7%	5.9%	100.0%
Monthly Car Allowance	17-5705-02-00-00	4,200	66.0%	8.4%	5.7%	5.7%	14.2%	100.0%
Effluent Pond Cleaning	17-5706-01-00-00		100.0%					100.0%
Sales Tax	17-5801-01-00-00				50.0%	50.0%		100.0%
Sales Tax	17-5801-02-00-00				50.0%	50.0%		100.0%
Shipping/Freight	17-5802-01-00-00				50.0%	50.0%		100.0%
Shipping/Freight	17-5802-02-00-00				50.0%	50.0%		100.0%
IT Allocations in to PC's & Depts.	17-6500-01-00-00	194,790			50.0%	50.0%		100.0%
IT Allocations in to PC's & Depts.	17-6500-02-00-00	38,475			50.0%	50.0%		100.0%
Rounding		(11)						
Total		7,649,696						



**South Orange County Wastewater Authority**  
**FY 2019-20 PC 17 Distribution by Member Agency and Wastewater Code**

	Liquids			Solids			AWT			Common Liquids			Common Solids			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Budget by Wastewater Code</b>																		
City of Laguna Beach	18,078	17,800	(278)	503,376	588,732	85,356	-	-	-	-	-	-	58,244	55,776	(2,468)	579,698	662,308	82,610
El Toro Water District	6,053	5,832	(221)	467,180	546,376	79,196	-	-	-	-	-	-	105,952	101,484	(4,468)	579,185	653,692	74,507
Emerald Bay Service District	547	556	9	15,536	18,160	2,624	-	-	-	-	-	-	3,060	2,928	(132)	19,143	21,644	2,501
Moulton Niguel Water District	2,233,718	2,223,544	(10,174)	1,820,196	2,128,840	308,644	760,188	726,732	(33,456)	521,372	499,112	(22,260)	305,396	292,436	(12,960)	5,640,871	5,870,664	229,793
South Coast Water District	12,668	12,476	(192)	328,640	384,372	55,732	-	-	-	-	-	-	46,504	44,540	(1,964)	387,812	441,388	53,576
<b>Total</b>	<b>2,271,064</b>	<b>2,260,208</b>	<b>(10,856)</b>	<b>3,134,928</b>	<b>3,666,480</b>	<b>531,552</b>	<b>760,188</b>	<b>726,732</b>	<b>(33,456)</b>	<b>521,372</b>	<b>499,112</b>	<b>(22,260)</b>	<b>519,156</b>	<b>497,164</b>	<b>(21,992)</b>	<b>7,206,709</b>	<b>7,649,696</b>	<b>442,987</b>
<b>Budget Change vs. 2015-16 Actual</b>			<b>-0.5%</b>			<b>17.0%</b>			<b>-4.4%</b>			<b>-4.3%</b>			<b>-4.2%</b>			<b>6.1%</b>

	Liquids			Solids			AWT			Common Liquids			Common Solids			Total		
	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance	FY 17-18 Actual	FY 19-20 Budget	% Variance
<b>Member Agency Wastewater Code Allocation %'s</b>																		
City of Laguna Beach	0.8%	0.8%	0.0%	16.1%	16.1%	0.0%							11.2%	11.2%	0.0%	8.0%	8.7%	0.6%
El Toro Water District	0.3%	0.3%	0.0%	14.9%	14.9%	0.0%							20.4%	20.4%	0.0%	8.0%	8.5%	0.5%
Emerald Bay Service District	0.0%	0.0%	0.0%	0.5%	0.5%	0.0%							0.6%	0.6%	0.0%	0.3%	0.3%	0.0%
Moulton Niguel Water District	98.4%	98.4%	0.0%	58.1%	58.1%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	58.8%	58.8%	0.0%	78.3%	76.7%	-1.5%
South Coast Water District	0.6%	0.6%	0.0%	10.5%	10.5%	0.0%							9.0%	9.0%	0.0%	5.4%	5.8%	0.4%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 21 Line Item Detail and Wastewater Code Allocations**

Description	Account #	Total	Wastewater Allocation %		
			Reach B/C/D	Reach E	Total
Regular Salaries-O&M	21-5000-01-00-00	740	67.0%	33.0%	100.0%
Regular Salaries-O&M	21-5000-02-00-00		67.0%	33.0%	100.0%
Engineering - Misc.	21-5014-01-00-00		67.0%	33.0%	100.0%
Engineering - Misc.	21-5014-02-00-00		67.0%	33.0%	100.0%
Management Support Services	21-5015-01-00-00		67.0%	33.0%	100.0%
Contract Services Misc. - 29	21-5019-01-00-00		67.0%	33.0%	100.0%
Contract Services Misc. - 29	21-5019-02-00-00		67.0%	33.0%	100.0%
Insurance - Property/Liability	21-5027-01-00-00		67.0%	33.0%	100.0%
Insurance - Property/Liability	21-5027-02-00-00		67.0%	33.0%	100.0%
Small Tools & Supplies	21-5028-01-00-00		67.0%	33.0%	100.0%
Small Tools & Supplies	21-5028-02-00-00		67.0%	33.0%	100.0%
Misc-Capital-Dilution & Metering Study	21-5069-02-00-00		67.0%	33.0%	100.0%
Fringe Benefits IN to PC's & Depts.	21-5401-01-00-00		67.0%	33.0%	100.0%
Fringe Benefits IN to PC's & Depts.	21-5401-02-00-00		67.0%	33.0%	100.0%
<b>Total</b>		<b>740</b>			

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 21 Distribution by Member Agency and Wastewater Code**

**Member Agency Budget by Wastewater Code**

El Toro Water District  
 Irvine Ranch Water District  
 Moulton Niguel Water District  
**Total**

Reach B/C/D			Reach E			Total		
FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
252	248	(4)	56	56	-	308	304	4
252	248	(4)	56	56	-	308	304	4
-	-	-	129	132	3	129	132	(3)
<b>504</b>	<b>496</b>	<b>(8)</b>	<b>241</b>	<b>244</b>	<b>3</b>	<b>745</b>	<b>740</b>	<b>5</b>

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

El Toro Water District  
 Irvine Ranch Water District  
 Moulton Niguel Water District  
**Total**

Reach B/C/D			Reach E			Total		
FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
50.0%	50.0%	0.0%	23.3%	23.0%	-0.3%	41.4%	41.1%	-0.3%
50.0%	50.0%	0.0%	23.3%	23.0%	-0.3%	41.4%	41.1%	-0.3%
			53.5%	54.1%	0.6%	17.3%	17.8%	0.6%
<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

**PC 24**  
**Member Agency Allocation**

**Flows FY 2019-20**

**Operations Cost Distribution Analysis recommended by** **Carollo**  
**Engineers and Approved by Board**

All Variable Costs were moved to Fixed Costs.

<b>Member Agency Wastewater Code Allocation %'s</b>	<b>Fixed</b>		
	<b>FY 17-18 Actual</b>	<b>FY 19-20 Budget</b>	<b>Variance</b>
City of Laguna Beach	11.00%	11.00%	0.0%
El Toro Water District	16.30%	16.30%	0.0%
Emerald Bay Service District	0.78%	0.78%	0.0%
Irvine Ranch Water District	15.75%	15.76%	0.0%
Moulton Niguel Water District	43.85%	43.85%	0.0%
South Coast Water District	12.32%	12.31%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

Note: In previous years, the prior year Use Audit Actual Flows were used to distribute Variable Costs.

<b>FY 2017-18 Use Audit Actuals</b>		
<b>Member Agency</b>	<b>Outfall Flows MGD</b>	<b>Variable Cost %</b>
CLB	1.70	18.97
EBSD	0.05	0.53
ETWD	2.29	25.52
IRWD	2.10	23.41
MNWD	2.15	23.96
SCWD	0.68	7.60
<b>Total</b>	<b>8.98</b>	<b>100%</b>

\* Allocation based on FY 2017-18 use audit actuals

**South Orange County Wastewater Authority**  
**FY 2019-20 PC 24 Line Item Detail and Wastewater Code Allocation %'s**

Description	Account #	Total	Wastewater Allocation %			
			Var 5%	Var 95%	Fixed	Total
Regular Salaries-O&M	24-5000-01-00-00	311			100.0%	100.0%
Regular Salaries-O&M	24-5000-02-00-00	99,289			100.0%	100.0%
Overtime Salaries-O&M	24-5001-01-00-00				100.0%	100.0%
Overtime Salaries-O&M	24-5001-02-00-00	456			100.0%	100.0%
Electricity	24-5002-01-00-00				100.0%	100.0%
Electricity	24-5002-02-00-00				100.0%	100.0%
Engineering - Misc.	24-5014-01-00-00				100.0%	100.0%
Engineering - Misc.	24-5014-02-00-00				100.0%	100.0%
Management Support Services	24-5015-01-00-00				100.0%	100.0%
Management Support Services	24-5015-02-00-00	22,500			100.0%	100.0%
Legal	24-5017-01-00-00				100.0%	100.0%
Legal	24-5017-02-00-00	1,000			100.0%	100.0%
Insurance - Property/Liability	24-5027-01-00-00	6,520			100.0%	100.0%
Insurance - Property/Liability	24-5027-02-00-00				100.0%	100.0%
Safety Supplies	24-5031-02-00-00	1,000			100.0%	100.0%
Travel Expense/Tech. Conferences	24-5034-02-00-00	3,704			100.0%	100.0%
Training	24-5035-02-00-00	6,004			100.0%	100.0%
Laboratory Supplies	24-5036-02-00-00	19,560			100.0%	100.0%
Permits	24-5038-02-00-00	186,758			100.0%	100.0%
Membership Dues/Fees	24-5039-02-00-00	5,500			100.0%	100.0%
Offshore Monitoring - 20A	24-5044-02-00-00	18,000			100.0%	100.0%
Effluent Chemistry - 20C	24-5045-02-00-00				100.0%	100.0%
Effluent Chemistry - 20C	24-5046-02-00-00	14,004			100.0%	100.0%
Maintenance Equip. & Facilities(Common)	24-5058-01-00-00	1,000			100.0%	100.0%
Inspections/Port Cleaning	24-5067-02-00-00				100.0%	100.0%
Misc-Capital-Dilution & Metering Study	24-5069-02-00-00	30,000			100.0%	100.0%
Scheduled Holiday Work	24-5306-01-00-00				100.0%	100.0%
Scheduled Holiday Work	24-5306-02-00-00				100.0%	100.0%
Performance Based Merit Pay	24-5302-01-00-00				100.0%	100.0%
Weekend Shift Pay	24-5307-02-00-00				100.0%	100.0%
Fringe Benefits IN to PC's & Depts.	24-5401-01-00-00	224			100.0%	100.0%
Fringe Benefits IN to PC's & Depts.	24-5401-02-00-00	71,431			100.0%	100.0%
Shipping and Freight	24-5802-02-00-00				100.0%	100.0%
IT Allocations in to PC's & Depts.	24-6500-01-00-00	40			100.0%	100.0%
IT Allocations in to PC's & Depts.	24-6500-02-00-00	12,886			100.0%	100.0%
Rounding		16				
<b>Total</b>		<b>500,212</b>				

**South Orange County Wastewater Authority  
FY 2019-20 PC 24 Distribution by Member Agency and Wastewater Code**

	Fixed			Var 5%			Var 95%			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Budget by Wastewater Code</b>												
City of Laguna Beach	19,680	55,024	35,344	1,149	-	(1,149)	37,172	-	(37,172)	58,001	55,024	(2,977)
El Toro Water District	29,172	81,552	52,380	1,699	-	(1,699)	50,020	-	(50,020)	80,891	81,552	661
Emerald Bay Service District	1,392	3,904	2,512	77	-	(77)	1,044	-	(1,044)	2,513	3,904	1,391
Irvine Ranch Water District	28,188	78,828	50,640	1,642	-	(1,642)	45,872	-	(45,872)	75,702	78,828	3,126
Moulton Niguel Water District	78,448	219,328	140,880	4,546	-	(4,546)	46,964	-	(46,964)	129,958	219,328	89,370
South Coast Water District	22,039	61,576	39,537	1,281	-	(1,281)	14,900	-	(14,900)	38,220	61,576	23,356
<b>Total</b>	<b>178,919</b>	<b>500,212</b>	<b>321,293</b>	<b>10,393</b>	<b>-</b>	<b>(10,393)</b>	<b>195,972</b>	<b>-</b>	<b>(195,972)</b>	<b>385,285</b>	<b>500,212</b>	<b>114,927</b>

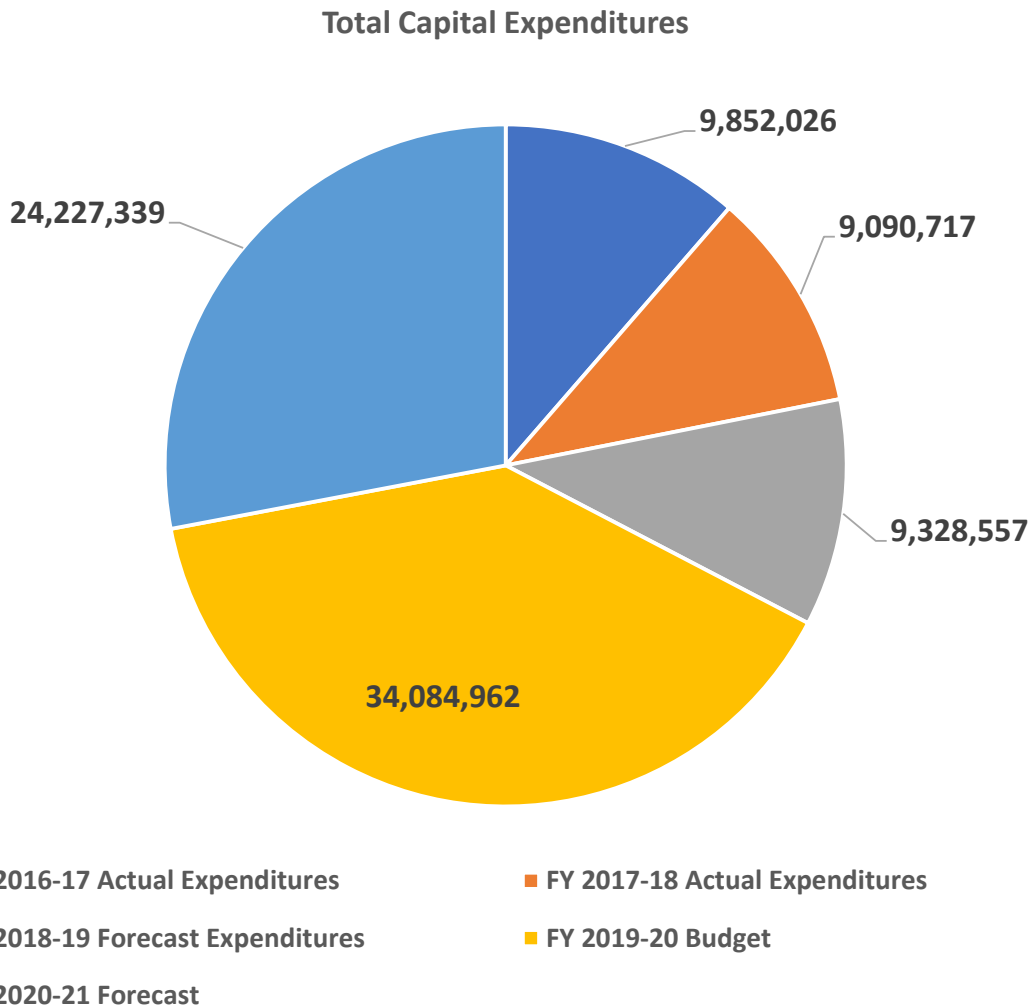
	Fixed			Var 5%			Var 95%			Total		
	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance	FY 17-18 Actual	FY 19-20 Budget	Variance
<b>Member Agency Wastewater Code Allocation %'s</b>												
City of Laguna Beach	11.0%	11.0%	0.0%	11.1%	0.0%	-11.1%	19.0%	0.0%	-19.0%	15.1%	11.0%	-4.1%
El Toro Water District	16.3%	16.3%	0.0%	16.3%	0.0%	-16.3%	25.5%	0.0%	-25.5%	21.0%	16.3%	-4.7%
Emerald Bay Service District	0.8%	0.8%	0.0%	0.7%	0.0%	-0.7%	0.5%	0.0%	-0.5%	0.7%	0.8%	0.1%
Irvine Ranch Water District	15.8%	15.8%	0.0%	15.8%	0.0%	-15.8%	23.4%	0.0%	-23.4%	19.6%	15.8%	-3.9%
Moulton Niguel Water District	43.8%	43.8%	0.0%	43.7%	0.0%	-43.7%	24.0%	0.0%	-24.0%	33.7%	43.8%	10.1%
South Coast Water District	12.3%	12.3%	0.0%	12.3%	0.0%	-12.3%	7.6%	0.0%	-7.6%	9.9%	12.3%	2.4%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>-100.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>-100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>

**South Orange County Wastewater Authority  
FY 2019-20 Capital Budget w/1-Year Forecast by Member Agency**

	<b>FY 2016-17 Actual Expenditures</b>	<b>FY 2017-18 Actual Expenditures</b>	<b>FY 2018-19 Forecast Expenditures</b>	<b>FY 2019-20 Budget</b>	<b>FY 2020-21 Forecast</b>
Total Capital Budget					
Member Agency					
City of Laguna Beach	857,725	1,047,324	528,915	4,934,209	3,073,540
City of San Clemente	9,387	396	721	13,042	89,918
City of San Juan Capistrano	886,145	698,567	1,657,359	3,193,193	3,614,700
El Toro Water District	673,966	433,008	256,044	606,329	449,100
Emerald Bay Service District	58,190	76,782	39,294	381,862	238,980
Irvine Ranch Water District	19,893	48,848	94,853	154,319	255,866
Moulton Niguel Water District	4,729,584	4,411,148	2,762,768	15,856,820	7,931,331
Santa Margarita Water District	818,783	520,859	1,237,395	2,479,346	2,944,478
South Coast Water District	1,798,353	1,853,786	2,751,208	6,465,842	5,629,426
Total Member Agency	<b>9,852,026</b>	<b>9,090,717</b>	<b>9,328,557</b>	<b>34,084,962</b>	<b>24,227,339</b>

**South Orange County Wastewater Authority  
FY 2019-20 Capital Budget w/1-Year Forecast by Member Agency**

	FY 2016-17 Actual Expenditures	FY 2017-18 Actual Expenditures	FY 2018-19 Forecast Expenditures	FY 2019-20 Budget	FY 2020-21 Forecast
Total Capital Expenditures	9,852,026	9,090,717	9,328,557	34,084,962	24,227,339





**South Orange County Wastewater Authority**  
**FY 2019-20 Capital Budget w/Non-Capital Engineering**  
**and Small Capital by Member Agency**

	FY 2016-17 Actual	FY 2017-18 Actual	FY 2018-19 Forecast	FY 2019-20 Budget	FY 2020-21 Frcst
<b>Large Capital Projects</b>					
Member Agency					
City of Laguna Beach	638,512	792,058	362,862	4,632,011	2,796,972
City of San Clemente	3,647	239	721	-	81,222
City of San Juan Capistrano	603,343	435,443	1,501,832	2,821,980	3,177,300
El Toro Water District	615,785	345,185	215,294	527,457	365,492
Emerald Bay Service District	41,526	57,552	26,800	359,248	218,393
Irvine Ranch Water District	401	17,111	93,215	153,887	247,875
Moulton Niguel Water District	3,990,353	3,489,654	2,176,900	14,641,912	6,755,777
Santa Margarita Water District	599,784	316,782	1,121,502	2,186,216	2,615,586
South Coast Water District	1,348,735	1,396,833	2,469,824	5,876,061	4,977,598
Total Member Agency	7,842,085	6,850,857	7,968,949	31,198,772	21,236,215
<b>*Non-Capital Engineering Projects (O&amp;M Non-Operating Expense)</b>					
Member Agency					
City of Laguna Beach	76,903	61,261	13,496	46,606	22,211
City of San Clemente	4,860	157	-	12,586	8,696
City of San Juan Capistrano	25,042	54,660	15,543	162,653	200,114
El Toro Water District	28,237	42,783	2,828	16,596	16,607
Emerald Bay Service District	5,888	4,653	1,043	3,406	1,571
Irvine Ranch Water District	18,916	31,737	1,638	-	7,991
Moulton Niguel Water District	169,352	196,010	52,826	280,672	299,650
Santa Margarita Water District	29,544	49,105	10,000	137,178	148,276
South Coast Water District	123,269	94,689	24,340	178,989	196,951
Total Member Agency	482,011	535,056	121,712	838,686	902,067
<b>*Small Internal Capital</b>					
Member Agency					
City of Laguna Beach	142,310	194,006	152,558	255,592	254,357
City of San Clemente	881	-	-	456	-
City of San Juan Capistrano	257,760	208,464	139,985	208,560	237,286
El Toro Water District	29,944	45,040	37,922	62,276	67,001
Emerald Bay Service District	10,776	14,577	11,451	19,208	19,016
Irvine Ranch Water District	576	-	-	432	-
Moulton Niguel Water District	569,879	725,483	533,042	934,236	875,904
Santa Margarita Water District	189,454	154,973	105,894	155,952	180,616
South Coast Water District	326,349	362,263	257,044	410,792	454,877
Total Member Agency	1,527,930	1,704,805	1,237,896	2,047,504	2,089,057
<b>Total Capital Budget</b>					
Member Agency					
City of Laguna Beach	857,725	1,047,324	528,915	4,934,209	3,073,540
City of San Clemente	9,387	396	721	13,042	89,918
City of San Juan Capistrano	886,145	698,567	1,657,359	3,193,193	3,614,700
El Toro Water District	673,966	433,008	256,044	606,329	449,100
Emerald Bay Service District	58,190	76,782	39,294	381,862	238,980
Irvine Ranch Water District	19,893	48,848	94,853	154,319	255,866
Moulton Niguel Water District	4,729,584	4,411,148	2,762,768	15,856,820	7,931,331
Santa Margarita Water District	818,783	520,859	1,237,395	2,479,346	2,944,478
South Coast Water District	1,798,353	1,853,786	2,751,208	6,465,842	5,629,426
Total Member Agency	9,852,026	9,090,717	9,328,557	34,084,962	24,227,339

\*Future Year Expenditures are Included in The Large Capital Plan for fiscal year 2020-21.

**South Orange County Wastewater Authority**  
**Project Committee Capital Projects Detail FY 2019-20 by Quarter**  
(Small Capital Not Included)

1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
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**PC 02 J B Latham**  
**Liquids**

3226-000 - Facility Improvements B - Basin Upgrades Construction II	610,633	912,354	1,215,952	918,092	3,657,031	3,657,031
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**Total Liquids**

<b>610,633</b>	<b>912,354</b>	<b>1,215,952</b>	<b>918,092</b>	<b>3,657,031</b>	<b>3,657,031</b>
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**Common**

3231-000 - Facility Improvements B - Common Upgrades Construction II	146,487	218,867	291,698	220,244	877,296	877,296
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**Total Common**

<b>146,487</b>	<b>218,867</b>	<b>291,698</b>	<b>220,244</b>	<b>877,296</b>	<b>877,296</b>
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**Solids**

3224-000 - Digester No.4 Rehabilitation (2019)	168,057	167,397	167,326	168,450	671,230	1,334,230
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3233-000 - Facility Improvements B - Solids Upgrades Construction II	683,933	1,021,872	1,361,914	1,028,299	4,096,018	4,096,018
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**Total Solids**

<b>851,990</b>	<b>1,189,269</b>	<b>1,529,240</b>	<b>1,196,749</b>	<b>4,767,248</b>	<b>5,430,248</b>
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**Total PC 02 J B Latham**

<b>1,609,110</b>	<b>2,320,490</b>	<b>3,036,890</b>	<b>2,335,085</b>	<b>9,301,575</b>	<b>9,964,575</b>
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**PC 15 Coastal Treatment Plant**  
**Liquids**

3525-000 - Personnel Building Reconstruction (2019)	69,454	-	-	-	69,454	162,954
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3539-000 - Facility Construction Improvements - Part II (2020)	1,164,173	1,739,403	2,318,213	1,750,342	6,972,131	6,972,131
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3541-000 - Export Sludge System Construction (2020)	1,359,667	1,354,329	1,353,750	454,282	4,522,028	4,522,028
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3553-000 - Plant Drainage Improvements (2017)	-	80,558	-	-	80,558	221,267
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**Total Liquids**

<b>2,593,294</b>	<b>3,174,290</b>	<b>3,671,963</b>	<b>2,204,624</b>	<b>11,644,171</b>	<b>11,878,380</b>
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**Total PC 15 Coastal Treatment Plant**

<b>2,593,294</b>	<b>3,174,290</b>	<b>3,671,963</b>	<b>2,204,624</b>	<b>11,644,171</b>	<b>11,878,380</b>
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**South Orange County Wastewater Authority**  
**Project Committee Capital Projects Detail FY 2019-20 by Quarter**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 17 Joint Regional Wastewater Reclamation Liquids</b>						
3701-000 - Secondary Electrical System Rerouting (2014)	351,905	350,524	-	-	702,429	1,261,000
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	121,445	120,968	-	-	242,413	400,500
3741-000 - Southwest Influent Sewer and MH Repair Design (2019)	70,974	-	-	-	70,974	100,974
3742-000 - Aeration System Upgrade (2019)	201,770	251,222	351,561	202,242	1,006,795	1,006,795
3743-000 - Aeration Gate Replacement (2019)	87,197	108,568	151,931	87,401	435,097	435,097
3753-000 - Aeration Diffuser Upgrade (2020)	76,399	313,496	322,466	94,778	807,139	807,139
3755-000 - Southeast Sewer Rehabilitation (2020)	-	-	285,186	287,102	572,288	572,288
3756-000 - Secondary Clarifier Safety Repairs (2020)	7,665	-	34,343	34,574	76,582	76,582
3757-000 - Miscellaneous Safety Improvements - Liquids (2020)	14,178	-	63,522	63,949	141,649	141,649
3758-000 - AWT No.2 Reconstruction (2020)	253,480	1,262,424	1,009,508	-	2,525,412	2,525,412
3759-000 - AWT No.2 Electrical Upgrades (2020)	35,487	176,739	141,331	-	353,557	353,557
3766-000 - AWT Sodium Hypochlorite Tanks Shade (2020)	28,471	-	127,561	128,419	284,451	284,451
3784-000 - Replace DAF (Mannich) Polymer System (2018)	38,022	37,873	-	-	75,895	560,000
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	50,696	50,497	-	-	101,193	600,000
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	261,084	260,059	-	-	521,143	1,595,000
<b>Total Liquids</b>	<b>1,598,773</b>	<b>2,932,370</b>	<b>2,487,409</b>	<b>898,465</b>	<b>7,917,017</b>	<b>10,720,444</b>

**South Orange County Wastewater Authority**  
**Project Committee Capital Projects Detail FY 2019-20 by Quarter**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>Common</b>						
3761-000 - External Lighting Upgrade	90,175	-	-	-	90,175	374,212
3769-000 - Trailer Drain Line (2020)	55,766	-	-	-	55,766	55,766
<b>Total Common</b>	<b>145,941</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>145,941</b>	<b>429,978</b>
<b>Solids</b>						
3749-000 - Phase I Solids Piping Upgrade (2019)	89,727	89,375	-	-	179,102	179,102
3751-000 - Energy Building Roof and Breezeway (2019)	42,204	84,077	42,021	-	168,302	555,000
3771-000 - Miscellaneous Safety Improvements - Solids (2020)	14,178	-	63,522	63,949	141,649	141,649
3772-000 - Hot Water Piping Reconstruction (2020)	313,178	311,949	-	-	625,127	625,127
3773-000 - Co-Generation System Modifications (2020)	60,412	-	288,870	290,688	639,970	639,970
<b>Total Solids</b>	<b>519,699</b>	<b>485,401</b>	<b>394,413</b>	<b>354,637</b>	<b>1,754,150</b>	<b>2,140,848</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>2,264,413</b>	<b>3,417,771</b>	<b>2,881,822</b>	<b>1,253,102</b>	<b>9,817,108</b>	<b>13,291,270</b>

**South Orange County Wastewater Authority**  
**Project Committee Capital Projects Detail FY 2019-20 by Quarter**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 21 Effluent Transmission Main</b>						
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	40,557	40,398	40,380	40,652	161,987	161,987
3105-000 - Air Valve Replacement Design and Permitting (D) (2020)	32,065	31,939	-	-	64,004	64,004
3106-000 - Air Valve Replacement Design and Permitting ( E) (2020)	41,571	41,408	20,695	-	103,674	103,674
<b>Total PC 21 Effluent Transmission Main</b>	<b>114,193</b>	<b>113,745</b>	<b>61,075</b>	<b>40,652</b>	<b>329,665</b>	<b>329,665</b>
<b>PC 24 Aliso Creek Ocean Outfall</b>						
3408-000 - Sampling System Repair (2020)	53,231	53,022	-	-	106,253	106,253
<b>Total PC 24 Aliso Creek Ocean Outfall</b>	<b>53,231</b>	<b>53,022</b>	<b>-</b>	<b>-</b>	<b>106,253</b>	<b>106,253</b>
<b>FY 19-20 Total Work Plan</b>	<b>6,634,241</b>	<b>9,079,318</b>	<b>9,651,750</b>	<b>5,833,463</b>	<b>31,198,772</b>	<b>35,570,143</b>

**South Orange County Wastewater Authority  
Non Capital Projects Scheduled for FY 2019-20**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 02 J B Latham</b>						
<b>Liquids</b>						
4201-000 - Plant 1 Blower Building Condition Assessment (2020)	-	42,922	42,904	-	85,826	85,826
4202-000 - Pipeline Condition Assessment Methodology Evaluation (	-	50,497	-	-	50,497	50,497
4203-000 - Plant Hydraulic Modeling and Flow Management Plan (20	35,487	70,696	70,666	-	176,849	176,849
<b>Total Liquids</b>	<b>35,487</b>	<b>164,115</b>	<b>113,570</b>	<b>-</b>	<b>313,172</b>	<b>313,172</b>
<b>Common</b>						
4204-000 - Electrical Manhole Condition Assessment (2020)	-	45,447	45,428	-	90,875	90,875
<b>Total Common</b>	<b>-</b>	<b>45,447</b>	<b>45,428</b>	<b>-</b>	<b>90,875</b>	<b>90,875</b>
<b>Solids</b>						
4214-000 - Solids Management Plan (2020)	-	50,497	50,475	-	100,972	100,972
<b>Total Solids</b>	<b>-</b>	<b>50,497</b>	<b>50,475</b>	<b>-</b>	<b>100,972</b>	<b>100,972</b>
<b>Total PC 02 J B Latham</b>	<b>35,487</b>	<b>260,059</b>	<b>209,473</b>	<b>-</b>	<b>505,019</b>	<b>505,019</b>
<b>PC 05 San Juan Creek Ocean Outfall</b>						
4601-000 - Monitoring Evaluation Options (2020)	-	37,873	37,857	-	75,730	75,730
<b>Total PC 05 San Juan Creek Ocean Outfall</b>	<b>-</b>	<b>37,873</b>	<b>37,857</b>	<b>-</b>	<b>75,730</b>	<b>75,730</b>
<b>PC 15 Coastal Treatment Plant</b>						
<b>Liquids</b>						
4501-000 - Electrical Manhole/Cable Assessment (2020)	60,835	-	-	-	60,835	60,835
4502-000 - Building Roof Condition Assessment (2020)	-	35,348	-	-	35,348	35,348
<b>Total Liquids</b>	<b>60,835</b>	<b>35,348</b>	<b>-</b>	<b>-</b>	<b>96,183</b>	<b>96,183</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>60,835</b>	<b>35,348</b>	<b>-</b>	<b>-</b>	<b>96,183</b>	<b>96,183</b>
<b>PC 17 Joint Regional Wastewater Reclamation</b>						
<b>Common</b>						
4703-000 - Lab Reconstruction Evaluation (2020)	-	35,348	35,333	-	70,681	70,681
4704-000 - Evaluate Plant and Storm Drainage (2020)	45,626	45,447	-	-	91,073	91,073
<b>Total Common</b>	<b>45,626</b>	<b>80,795</b>	<b>35,333</b>	<b>-</b>	<b>161,754</b>	<b>161,754</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>45,626</b>	<b>80,795</b>	<b>35,333</b>	<b>-</b>	<b>161,754</b>	<b>161,754</b>
<b>FY 19-20 Total Work Plan</b>	<b>141,948</b>	<b>414,075</b>	<b>282,663</b>	<b>-</b>	<b>838,686</b>	<b>838,686</b>

**South Orange County Wastewater Authority  
Small Capital Projects Scheduled for FY 2019-20**

**PC 02 J B Latham  
Liquids**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
2220-001 - 2 ISCO Samplers (between 3 PC's)	2,500	2,500	2,500	2,500	10,000
2220-002 - Laboratory Equipment and Probe Replacements (between 3 PC's)	5,000	5,000	5,000	5,000	20,000
2220-003 - Motor Operated Valve Replacements	3,750	3,750	3,750	3,750	15,000
2220-004 - Pump Overhaul - Replacements - RSP/Effluent/Bleach	3,750	3,750	3,750	3,750	15,000
2220-005 - Exhaust fan replacements	2,500	2,500	2,500	2,500	10,000
2220-006 - Effluent pump station gas line	3,750	3,750	3,750	3,750	15,000
2220-007 - Replacement Check Valves	2,500	2,500	2,500	2,500	10,000
2220-008 - 9-side Raw Sewage Pump Rebuild	6,250	6,250	6,250	6,250	25,000
2220-009 - Stock pri & sec flights and chain	2,500	2,500	2,500	2,500	10,000
2220-010 - Replacement Grit Separator	9,250	9,250	9,250	9,250	37,000
2220-011 - Sample processing station relocation project	2,500	2,500	2,500	2,500	10,000
2220-012 - Roll-up and Double Door Replacements	10,000	10,000	10,000	10,000	40,000
2220-013 - Aeration Diffuser Cleaning System	5,000	5,000	5,000	5,000	20,000
2220-014 - HVAC Replacements	3,750	3,750	3,750	3,750	15,000

**Total Liquids**

<b>63,000</b>	<b>63,000</b>	<b>63,000</b>	<b>63,000</b>	<b>252,000</b>
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**Common**

2220-015 - Safety Equipment	7,500	7,500	7,500	7,500	30,000
2220-016 - Replacement sump pump	2,500	2,500	2,500	2,500	10,000
2220-017 - Replacement Access Gate Operators	5,000	5,000	5,000	5,000	20,000
2220-018 - Fixed Gas Detector Equipment	5,000	5,000	5,000	5,000	20,000
2220-019 - Stanley Security Access Expansion 2019	3,750	3,750	3,750	3,750	15,000
2220-020 - Two Utility Vehicles	16,250	16,250	16,250	16,250	65,000
2220-021 - Replacement Air Compressor	1,875	1,875	1,875	1,875	7,500
2220-022 - Gate Operator	7,500	7,500	7,500	7,500	30,000
2220-023 - Lighting System Improvements	3,750	3,750	3,750	3,750	15,000

**Total Common**

<b>53,125</b>	<b>53,125</b>	<b>53,125</b>	<b>53,125</b>	<b>212,500</b>
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**Solids**

2220-024 - Digester valves	15,000	15,000	15,000	15,000	60,000
2220-025 - Replacement Recirc Pump	2,625	2,625	2,625	2,625	10,500
2220-026 - Replacement Pumps - Ferric/RAS/Recirculation	2,500	2,500	2,500	2,500	10,000
2220-027 - Replacement Valves	3,750	3,750	3,750	3,750	15,000
2220-028 - Pump Overhaul - Replacements - Primary/Secondary RAS-WAS	7,500	7,500	7,500	7,500	30,000
2220-029 - Centrifuge Support Equipment	3,750	3,750	3,750	3,750	15,000
2220-030 - Replacement Seepex pump	7,500	7,500	7,500	7,500	30,000
2220-031 - Centrifuge Rebuild	12,500	12,500	12,500	12,500	50,000

**Total Solids**

<b>55,125</b>	<b>55,125</b>	<b>55,125</b>	<b>55,125</b>	<b>220,500</b>
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**Total PC 02 J B Latham**

<b>171,250</b>	<b>171,250</b>	<b>171,250</b>	<b>171,250</b>	<b>685,000</b>
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**South Orange County Wastewater Authority  
Small Capital Projects Scheduled for FY 2019-20**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
<b>PC 05 San Juan Creek Ocean Outfall</b>					
2620-001 - Fecal Incubator Replacement (between 5 and 24)	688	688	688	688	2,752
<b>Total PC 05 San Juan Creek Ocean Outfall</b>	<b>688</b>	<b>688</b>	<b>688</b>	<b>688</b>	<b>2,752</b>
<b>PC 15 Coastal Treatment Plant</b>					
<b>Liquids</b>					
2220-001 - 2 ISCO Samplers (between 3 PC's)	2,500	2,500	2,500	2,500	10,000
2220-002 - Laboratory Equipment and Probe Replacements (between 3 PC's)	2,500	2,500	2,500	2,500	10,000
2520-003 - Replacement Scrubber Water Softener	2,500	2,500	2,500	2,500	10,000
2520-004 - Pump Overhaul/Replacements	6,250	6,250	6,250	6,250	25,000
2520-005 - Replacement Grit Auger	15,000	15,000	15,000	15,000	60,000
2520-006 - Replacement Scum Pumps	18,750	18,750	18,750	18,750	75,000
2520-007 - Chain and Flights	3,750	3,750	3,750	3,750	15,000
2520-008 - Drive Overhaul/Replacements	3,750	3,750	3,750	3,750	15,000
2520-009 - Process water pump replacment	2,500	2,500	2,500	2,500	10,000
2520-010 - Headworks Building Recoating	6,250	6,250	6,250	6,250	25,000
2520-011 - Valves	6,250	6,250	6,250	6,250	25,000
2520-012 - Aeration Panel Replacement	5,000	5,000	5,000	5,000	20,000
2520-013 - Ventilation Fan Replacement	15,000	15,000	15,000	15,000	60,000
2520-014 - Roll-up and Double Door Replacements	11,250	11,250	11,250	11,250	45,000
2520-015 - Grinding Pump Replacment	6,250	6,250	6,250	6,250	25,000
<b>Total Liquids</b>	<b>107,500</b>	<b>107,500</b>	<b>107,500</b>	<b>107,500</b>	<b>430,000</b>
<b>Common</b>					
2520-016 - Safety Equipment	7,500	7,500	7,500	7,500	30,000
2520-017 - HVAC Replacements	7,500	7,500	7,500	7,500	30,000
2520-018 - Stanley Security Access Expansion 2019	3,750	3,750	3,750	3,750	15,000
2520-019 - Landscape renovation	10,000	10,000	10,000	10,000	40,000
2520-020 - Microscope	1,500	1,500	1,500	1,500	6,000
2520-021 - Additional Parameter Fencing and Gates	2,500	2,500	2,500	2,500	10,000
2520-022 - Fixed Gas Detector Equipment	5,000	5,000	5,000	5,000	20,000
<b>Total Common</b>	<b>37,750</b>	<b>37,750</b>	<b>37,750</b>	<b>37,750</b>	<b>151,000</b>
<b>AWT</b>					
2520-023 - Spare Bleach Pump	2,500	2,500	2,500	2,500	10,000
2520-024 - Replacement Analyzer Equipment	5,000	5,000	5,000	5,000	20,000
2520-025 - AWT Bleach Pump Pad Cover	2,500	2,500	2,500	2,500	10,000
<b>Total AWT</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>40,000</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>155,250</b>	<b>155,250</b>	<b>155,250</b>	<b>155,250</b>	<b>621,000</b>



**South Orange County Wastewater Authority  
Small Capital Projects Scheduled for FY 2019-20**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
<b>PC 17 Joint Regional Wastewater Reclamation</b>					
<b>Liquids</b>					
2220-001 - 2 ISCO Samplers (between 3 PC's)	2,500	2,500	2,500	2,500	10,000
2220-002 - Laboratory Equipment and Probe Replacements (between 3 PC's)	2,500	2,500	2,500	2,500	10,000
2720-003 - Interstage #2 Pump and Motor Rebuild	10,000	10,000	10,000	10,000	40,000
2720-004 - RAS #24 Pump and Motor Rebuild	3,500	3,500	3,500	3,500	14,000
2720-005 - RAS #4 Pump and Motor Rebuild	4,500	4,500	4,500	4,500	18,000
2720-006 - RAS #6 Pump and Motor Rebuild	4,500	4,500	4,500	4,500	18,000
2720-007 - RAS #66 Pump and Motor Rebuild	4,500	4,500	4,500	4,500	18,000
2720-008 - Replacement Recirc Pump	3,750	3,750	3,750	3,750	15,000
2720-009 - Check Valves	3,750	3,750	3,750	3,750	15,000
2720-010 - Replacement Hydrogritter	18,750	18,750	18,750	18,750	75,000
2720-011 - 3LP Strainer Replacement Project	7,500	7,500	7,500	7,500	30,000
2720-012 - Primary Tank Chain Drives	2,000	2,000	2,000	2,000	8,000
2720-013 - Headworks Roll Up Door Replacement	11,250	11,250	11,250	11,250	45,000
<b>Total Liquids</b>	<b>79,000</b>	<b>79,000</b>	<b>79,000</b>	<b>79,000</b>	<b>316,000</b>
<b>Common</b>					
2720-014 - Slip Line Storm Water Line	30,000	30,000	30,000	30,000	120,000
2720-015 - Safety Equipment	7,500	7,500	7,500	7,500	30,000
2720-016 - Shop Modernization - Phase 2	3,750	3,750	3,750	3,750	15,000
<b>Total Common</b>	<b>41,250</b>	<b>41,250</b>	<b>41,250</b>	<b>41,250</b>	<b>165,000</b>
<b>Solids</b>					
2720-017 - Centrifuge Conveyor rehab	8,750	8,750	8,750	8,750	35,000
2720-018 - Engine PLC-CEMS Project	10,000	10,000	10,000	10,000	40,000
2720-019 - Check Valves	3,750	3,750	3,750	3,750	15,000
2720-020 - Recirculation Pump	3,750	3,750	3,750	3,750	15,000
2720-021 - Centrifuge Rebuild	7,500	7,500	7,500	7,500	30,000
2720-022 - Scrubber 3 Drain Replacement	5,000	5,000	5,000	5,000	20,000
2720-023 - Building Lighting Upgrades	11,250	11,250	11,250	11,250	45,000
2720-024 - Flame Arrestor	5,000	5,000	5,000	5,000	20,000
<b>Total Solids</b>	<b>55,000</b>	<b>55,000</b>	<b>55,000</b>	<b>55,000</b>	<b>220,000</b>
<b>AWT</b>					
2720-025 - Spare Bleach Pump Parts	3,750	3,750	3,750	3,750	15,000
2720-026 - Backwash Sand Interceptor Tank Project	2,500	2,500	2,500	2,500	10,000
2720-027 - Bleach Tank Flange Rehab	2,500	2,500	2,500	2,500	10,000
<b>Total AWT</b>	<b>8,750</b>	<b>8,750</b>	<b>8,750</b>	<b>8,750</b>	<b>35,000</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>184,000</b>	<b>184,000</b>	<b>184,000</b>	<b>184,000</b>	<b>736,000</b>
<b>PC 24 Aliso Creek Ocean Outfall</b>					
2620-001 - Fecal Incubator Replacement (between 5 and 24)	688	688	688	688	2,752
<b>Total PC 24 Aliso Creek Ocean Outfall</b>	<b>688</b>	<b>688</b>	<b>688</b>	<b>688</b>	<b>2,752</b>
<b>FY 19-20 Small Capital Total</b>	<b>511,876</b>	<b>511,876</b>	<b>511,876</b>	<b>511,876</b>	<b>2,047,504</b>

**South Orange County Wastewater Authority  
SOCWA Total Capital Projects Scheduled for FY 2019-20**

**Large Capital**

PC 02 J B Latham

Liquids	-	-	1,125,243	-	-	-	843,929	1,054,912	632,947	3,657,032
Common	-	-	266,563	-	-	-	196,069	214,263	200,401	877,296
Solids	-	-	1,430,174	-	-	-	1,030,756	953,450	1,352,868	4,767,248
Total PC 02 J B Latham	-	-	2,821,980	-	-	-	2,070,754	2,222,625	2,186,216	9,301,575

PC 15 Coastal Treatment Plant

Liquids	4,414,357	-	-	347,588	-	-	3,406,354	3,475,872	-	11,644,171
Total PC 15 Coastal Treatment Plant	4,414,357	-	-	347,588	-	-	3,406,354	3,475,872	-	11,644,171

PC 17 Joint Regional Wastewater Reclamation

Liquids	-	-	-	-	-	-	7,917,017	-	-	7,917,017
Common	9,150	-	-	482	14,974	-	114,022	7,313	-	145,941
Solids	196,817	-	-	10,349	358,022	-	1,031,791	157,171	-	1,754,150
Total PC 17 Joint Regional Wastewater Reclamation	205,967	-	-	10,831	372,996	-	9,062,830	164,484	-	9,817,108

PC 21 Effluent Transmission Main

PC 24 Aliso Creek Ocean Outfall	11,687	-	-	829	17,320	16,745	46,592	13,080	-	106,253
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**Total Large Capital Work Plan**

<b>4,632,011</b>	<b>-</b>	<b>2,821,980</b>	<b>359,248</b>	<b>527,457</b>	<b>153,887</b>	<b>14,641,912</b>	<b>5,876,061</b>	<b>2,186,216</b>	<b>31,198,772</b>
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**Non-Capital Engineering Projects (Non-Operating O&M)**

PC 02 J B Latham

Liquids	-	-	96,361	-	-	-	72,269	54,203	90,339	313,172
Common	-	-	27,612	-	-	-	20,310	20,758	22,195	90,875
Solids	-	-	30,292	-	-	-	21,832	28,654	20,194	100,972
Total PC 02 J B Latham	-	-	154,265	-	-	-	114,411	103,615	132,728	505,019

PC 05 San Juan Creek Ocean Outfall

-	12,586	8,391	-	-	-	11,746	33,563	9,444	75,730
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PC 15 Coastal Treatment Plant

Liquids	36,464	-	-	2,871	-	-	28,136	-	28,712	96,183
Total PC 15 Coastal Treatment Plant	36,464	-	-	2,871	-	-	28,136	-	28,712	96,183

PC 17 Joint Regional Wastewater Reclamation

Common	10,142	-	-	535	16,596	-	126,376	-	8,105	161,754
Total PC 17 Joint Regional Wastewater Reclamation	10,142	-	-	535	16,596	-	126,376	-	8,105	161,754

**Total Non-Capital Engineering Work Plan**

<b>46,606</b>	<b>12,586</b>	<b>162,656</b>	<b>3,406</b>	<b>16,596</b>	<b>-</b>	<b>280,669</b>	<b>137,178</b>	<b>178,989</b>	<b>838,686</b>
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**South Orange County Wastewater Authority  
SOCWA Total Capital Projects Scheduled for FY 2019-20**

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	77,540	-	-	-	58,152	72,692	43,616	252,000
Common	-	-	64,568	-	-	-	47,492	51,900	48,540	212,500
Solids	-	-	66,152	-	-	-	47,672	44,100	62,576	220,500
Total PC 02 J B Latham	-	-	208,260	-	-	-	153,316	168,692	154,732	685,000
	-	-	-	-	-	-	-	-	-	-
PC 05 San Juan Creek Ocean Outfall	-	456	304	-	-	-	428	344	1,220	2,752
PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-
Liquids	163,016	-	-	12,836	-	-	125,788	128,360	-	430,000
Common	57,244	-	-	4,508	-	-	44,172	45,076	-	151,000
AWT	-	-	-	-	-	-	-	40,000	-	40,000
Total PC 15 Coastal Treatment Plant	220,260	-	-	17,344	-	-	169,960	213,436	-	621,000
	-	-	-	-	-	-	-	-	-	-
PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-
Liquids	-	-	-	-	-	-	316,000	-	-	316,000
Common	10,360	-	-	544	16,928	-	128,900	8,268	-	165,000
Solids	24,684	-	-	1,300	44,888	-	129,416	19,712	-	220,000
AWT	-	-	-	-	-	-	35,000	-	-	35,000
Total PC 17 Joint Regional Wastewater Reclamation	35,044	-	-	1,844	61,816	-	609,316	27,980	-	736,000
	-	-	-	-	-	-	-	-	-	-
PC 24 Aliso Creek Ocean Outfall	304	-	-	20	448	432	1,208	340	-	2,752
	-	-	-	-	-	-	-	-	-	-
<b>Total Small Internal Capital Work Plan</b>	<b>255,608</b>	<b>456</b>	<b>208,564</b>	<b>19,208</b>	<b>62,264</b>	<b>432</b>	<b>934,228</b>	<b>410,792</b>	<b>155,952</b>	<b>2,047,504</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	1,299,144	-	-	-	974,350	1,181,807	766,902	4,222,203
Common	-	-	358,743	-	-	-	263,871	286,921	271,136	1,180,671
Solids	-	-	1,526,618	-	-	-	1,100,260	1,026,204	1,435,638	5,088,720
Total PC 02 J B Latham	-	-	3,184,505	-	-	-	2,338,481	2,494,932	2,473,676	10,491,594
	-	-	-	-	-	-	-	-	-	-
PC 05 San Juan Creek Ocean Outfall	-	13,042	8,695	-	-	-	12,174	33,907	10,664	78,482
PC 15 Coastal Treatment Plant										
Liquids	4,613,837	-	-	363,295	-	-	3,560,278	3,604,232	28,712	12,170,354
Common	57,244	-	-	4,508	-	-	44,172	45,076	-	151,000
AWT	-	-	-	-	-	-	-	40,000	-	40,000
Total PC 15 Coastal Treatment Plant	4,671,081	-	-	367,803	-	-	3,604,450	3,689,308	28,712	12,361,354
	-	-	-	-	-	-	-	-	-	-
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	8,233,017	-	-	8,233,017
Common	29,652	-	-	1,561	48,498	-	369,298	15,581	8,105	472,695
Solids	221,501	-	-	11,649	402,910	-	1,161,207	176,883	-	1,974,150
AWT	-	-	-	-	-	-	35,000	-	-	35,000
Total PC 17 Joint Regional Wastewater Reclamation	251,153	-	-	13,210	451,408	-	9,798,522	192,464	8,105	10,714,862
	-	-	-	-	-	-	-	-	-	-
PC 21 Effluent Transmission Main	-	-	-	-	137,141	137,142	55,382	-	-	329,665
PC 24 Aliso Creek Ocean Outfall	11,991	-	-	849	17,768	17,177	47,800	13,420	-	109,005
<b>SOCWA Total Capital Work Plan</b>	<b>4,934,225</b>	<b>13,042</b>	<b>3,193,200</b>	<b>381,862</b>	<b>606,317</b>	<b>154,319</b>	<b>15,856,809</b>	<b>6,424,031</b>	<b>2,521,157</b>	<b>34,084,962</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
1st Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	187,890	-	-	-	140,915	176,144	105,686	610,635
Common	-	-	44,510	-	-	-	32,739	35,777	33,462	146,488
Solids	-	-	255,596	-	-	-	184,214	170,398	241,781	851,989
Total PC 02 J B Latham	-	-	487,996	-	-	-	357,868	382,319	380,929	1,609,112
PC 15 Coastal Treatment Plant										
Liquids	983,128	-	-	77,412	-	-	758,635	774,118	-	2,593,293
Total PC 15 Coastal Treatment Plant	983,128	-	-	77,412	-	-	758,635	774,118	-	2,593,293
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	1,598,773	-	-	1,598,773
Common	9,150	-	-	482	14,974	-	114,022	7,313	-	145,941
Solids	58,312	-	-	3,066	106,071	-	305,687	46,565	-	519,701
Total PC 17 Joint Regional Wastewater Reclamation	67,462	-	-	3,548	121,045	-	2,018,482	53,878	-	2,264,415
PC 21 Effluent Transmission Main	-	-	-	-	45,992	45,993	22,207	-	-	114,192
PC 24 Aliso Creek Ocean Outfall	5,855	-	-	415	8,677	8,389	23,342	6,553	-	53,231
<b>Total Large Capital Work Plan</b>	<b>1,056,445</b>	<b>-</b>	<b>487,996</b>	<b>81,375</b>	<b>175,714</b>	<b>54,382</b>	<b>3,180,534</b>	<b>1,216,868</b>	<b>380,929</b>	<b>6,634,243</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	10,919	-	-	-	8,189	6,142	10,237	35,487
Common	-	-	-	-	-	-	-	-	-	-
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	10,919	-	-	-	8,189	6,142	10,237	35,487
PC 05 San Juan Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
PC 15 Coastal Treatment Plant										
Liquids	23,063	-	-	1,816	-	-	17,797	-	18,160	60,836
Total PC 15 Coastal Treatment Plant	23,063	-	-	1,816	-	-	17,797	-	18,160	60,836
PC 17 Joint Regional Wastewater Reclamation										
Common	2,861	-	-	151	4,681	-	35,647	-	2,286	45,626
Total PC 17 Joint Regional Wastewater Reclamation	2,861	-	-	151	4,681	-	35,647	-	2,286	45,626
<b>Total Non-Capital Engineering Work Plan</b>	<b>25,924</b>	<b>-</b>	<b>10,919</b>	<b>1,967</b>	<b>4,681</b>	<b>-</b>	<b>61,633</b>	<b>6,142</b>	<b>30,683</b>	<b>141,949</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
1st Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	19,385	-	-	-	14,538	18,173	10,904	63,000
Common	-	-	16,142	-	-	-	11,873	12,975	12,135	53,125
Solids	-	-	16,538	-	-	-	11,918	11,025	15,644	55,125
Total PC 02 J B Latham	-	-	52,065	-	-	-	38,329	42,173	38,683	171,250
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	40,754	-	-	3,209	-	-	31,447	32,090	-	107,500
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	55,065	-	-	4,336	-	-	42,490	53,359	-	155,250
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	79,000	-	-	79,000
Common	2,590	-	-	136	4,232	-	32,225	2,067	-	41,250
Solids	6,171	-	-	325	11,222	-	32,354	4,928	-	55,000
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	8,761	-	-	461	15,454	-	152,329	6,995	-	184,000
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>Total Small Internal Capital Work Plan</b>	<b>63,902</b>	<b>114</b>	<b>52,141</b>	<b>4,802</b>	<b>15,566</b>	<b>108</b>	<b>233,557</b>	<b>102,698</b>	<b>38,988</b>	<b>511,876</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	218,194	-	-	-	163,642	200,459	126,827	709,122
Common	-	-	60,652	-	-	-	44,612	48,752	45,597	199,613
Solids	-	-	272,134	-	-	-	196,132	181,423	257,425	907,114
Total PC 02 J B Latham	-	-	550,980	-	-	-	404,386	430,634	429,849	1,815,849
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	1,046,945	-	-	82,437	-	-	807,879	806,208	18,160	2,761,629
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	1,061,256	-	-	83,564	-	-	818,922	827,477	18,160	2,809,379
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	1,677,773	-	-	1,677,773
Common	14,601	-	-	769	23,887	-	181,894	9,380	2,286	232,817
Solids	64,483	-	-	3,391	117,293	-	338,041	51,493	-	574,701
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	79,084	-	-	4,160	141,180	-	2,206,458	60,873	2,286	2,494,041
PC 21 Effluent Transmission Main	-	-	-	-	45,992	45,993	22,207	-	-	114,192
PC 24 Aliso Creek Ocean Outfall	5,931	-	-	420	8,789	8,497	23,644	6,638	-	53,919
<b>SOCWA Total Capital Work Plan</b>	<b>1,146,271</b>	<b>114</b>	<b>551,056</b>	<b>88,144</b>	<b>195,961</b>	<b>54,490</b>	<b>3,475,724</b>	<b>1,325,708</b>	<b>450,600</b>	<b>7,288,068</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
2nd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	280,724	-	-	-	210,543	263,179	157,907	912,353
Common	-	-	66,502	-	-	-	48,915	53,454	49,996	218,867
Solids	-	-	356,781	-	-	-	257,139	237,854	337,495	1,189,269
Total PC 02 J B Latham	-	-	704,007	-	-	-	516,597	554,487	545,398	2,320,489
PC 15 Coastal Treatment Plant										
Liquids	1,203,388	-	-	94,755	-	-	928,598	947,549	-	3,174,290
Total PC 15 Coastal Treatment Plant	1,203,388	-	-	94,755	-	-	928,598	947,549	-	3,174,290
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	2,932,370	-	-	2,932,370
Common	-	-	-	-	-	-	-	-	-	-
Solids	54,462	-	-	2,864	99,070	-	285,513	43,492	-	485,401
Total PC 17 Joint Regional Wastewater Reclamation	54,462	-	-	2,864	99,070	-	3,217,883	43,492	-	3,417,771
PC 21 Effluent Transmission Main	-	-	-	-	45,813	45,813	22,120	-	-	113,746
PC 24 Aliso Creek Ocean Outfall	5,832	-	-	414	8,643	8,356	23,250	6,527	-	53,022
<b>Total Large Capital Work Plan</b>	<b>1,263,682</b>	<b>-</b>	<b>704,007</b>	<b>98,033</b>	<b>153,526</b>	<b>54,169</b>	<b>4,708,448</b>	<b>1,552,055</b>	<b>545,398</b>	<b>9,079,318</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	50,497	-	-	-	37,873	28,405	47,341	164,116
Common	-	-	13,809	-	-	-	10,157	10,381	11,100	45,447
Solids	-	-	15,149	-	-	-	10,918	14,330	10,099	50,496
Total PC 02 J B Latham	-	-	79,455	-	-	-	58,948	53,116	68,540	260,059
PC 05 San Juan Creek Ocean Outfall	-	6,294	4,196	-	-	-	5,875	16,785	4,723	37,873
PC 15 Coastal Treatment Plant										
Liquids	13,401	-	-	1,055	-	-	10,340	-	10,552	35,348
Total PC 15 Coastal Treatment Plant	13,401	-	-	1,055	-	-	10,340	-	10,552	35,348
PC 17 Joint Regional Wastewater Reclamation										
Common	5,066	-	-	267	8,290	-	63,123	-	4,049	80,795
Total PC 17 Joint Regional Wastewater Reclamation	5,066	-	-	267	8,290	-	63,123	-	4,049	80,795
<b>Total Non-Capital Engineering Work Plan</b>	<b>18,467</b>	<b>6,294</b>	<b>83,651</b>	<b>1,322</b>	<b>8,290</b>	<b>-</b>	<b>138,286</b>	<b>69,901</b>	<b>87,864</b>	<b>414,075</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
2nd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	19,385	-	-	-	14,538	18,173	10,904	63,000
Common	-	-	16,142	-	-	-	11,873	12,975	12,135	53,125
Solids	-	-	16,538	-	-	-	11,918	11,025	15,644	55,125
Total PC 02 J B Latham	-	-	52,065	-	-	-	38,329	42,173	38,683	171,250
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	40,754	-	-	3,209	-	-	31,447	32,090	-	107,500
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	55,065	-	-	4,336	-	-	42,490	53,359	-	155,250
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	79,000	-	-	79,000
Common	2,590	-	-	136	4,232	-	32,225	2,067	-	41,250
Solids	6,171	-	-	325	11,222	-	32,354	4,928	-	55,000
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	8,761	-	-	461	15,454	-	152,329	6,995	-	184,000
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>Total Small Internal Capital Work Plan</b>	<b>63,902</b>	<b>114</b>	<b>52,141</b>	<b>4,802</b>	<b>15,566</b>	<b>108</b>	<b>233,557</b>	<b>102,698</b>	<b>38,988</b>	<b>511,876</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	350,606	-	-	-	262,954	309,757	216,152	1,139,469
Common	-	-	96,453	-	-	-	70,945	76,810	73,231	317,439
Solids	-	-	388,468	-	-	-	279,975	263,209	363,238	1,294,890
Total PC 02 J B Latham	-	-	835,527	-	-	-	613,874	649,776	652,621	2,751,798
PC 05 San Juan Creek Ocean Outfall	-	6,408	4,272	-	-	-	5,982	16,871	5,028	38,561
PC 15 Coastal Treatment Plant										
Liquids	1,257,543	-	-	99,019	-	-	970,385	979,639	10,552	3,317,138
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	1,271,854	-	-	100,146	-	-	981,428	1,000,908	10,552	3,364,888
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	3,011,370	-	-	3,011,370
Common	7,656	-	-	403	12,522	-	95,348	2,067	4,049	122,045
Solids	60,633	-	-	3,189	110,292	-	317,867	48,420	-	540,401
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	68,289	-	-	3,592	122,814	-	3,433,335	50,487	4,049	3,682,566
PC 21 Effluent Transmission Main	-	-	-	-	45,813	45,813	22,120	-	-	113,746
PC 24 Aliso Creek Ocean Outfall	5,908	-	-	419	8,755	8,464	23,552	6,612	-	53,710
<b>SOCWA Total Capital Work Plan</b>	<b>1,346,051</b>	<b>6,408</b>	<b>839,799</b>	<b>104,157</b>	<b>177,382</b>	<b>54,277</b>	<b>5,080,291</b>	<b>1,724,654</b>	<b>672,250</b>	<b>10,005,269</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
3rd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	374,139	-	-	-	280,604	350,755	210,453	1,215,951
Common	-	-	88,631	-	-	-	65,192	71,242	66,633	291,698
Solids	-	-	458,772	-	-	-	330,646	305,848	433,974	1,529,240
Total PC 02 J B Latham	-	-	921,542	-	-	-	676,442	727,845	711,060	3,036,889
PC 15 Coastal Treatment Plant										
Liquids	1,392,058	-	-	109,611	-	-	1,074,186	1,096,108	-	3,671,963
Total PC 15 Coastal Treatment Plant	1,392,058	-	-	109,611	-	-	1,074,186	1,096,108	-	3,671,963
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	2,487,409	-	-	2,487,409
Common	-	-	-	-	-	-	-	-	-	-
Solids	44,253	-	-	2,327	80,500	-	231,994	35,339	-	394,413
Total PC 17 Joint Regional Wastewater Reclamation	44,253	-	-	2,327	80,500	-	2,719,403	35,339	-	2,881,822
PC 21 Effluent Transmission Main	-	-	-	-	25,010	25,010	11,055	-	-	61,075
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>Total Large Capital Work Plan</b>	<b>1,436,311</b>	<b>-</b>	<b>921,542</b>	<b>111,938</b>	<b>105,510</b>	<b>25,010</b>	<b>4,481,086</b>	<b>1,859,292</b>	<b>711,060</b>	<b>9,651,749</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	34,945	-	-	-	26,208	19,656	32,761	113,570
Common	-	-	13,803	-	-	-	10,153	10,377	11,095	45,428
Solids	-	-	15,143	-	-	-	10,913	14,324	10,095	50,475
Total PC 02 J B Latham	-	-	63,891	-	-	-	47,274	44,357	53,951	209,473
PC 05 San Juan Creek Ocean Outfall	-	6,292	4,195	-	-	-	5,871	16,778	4,721	37,857
PC 15 Coastal Treatment Plant										
Liquids	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-
PC 17 Joint Regional Wastewater Reclamation										
Common	2,215	-	-	117	3,625	-	27,606	-	1,770	35,333
Total PC 17 Joint Regional Wastewater Reclamation	2,215	-	-	117	3,625	-	27,606	-	1,770	35,333
<b>Total Non-Capital Engineering Work Plan</b>	<b>2,215</b>	<b>6,292</b>	<b>68,086</b>	<b>117</b>	<b>3,625</b>	<b>-</b>	<b>80,751</b>	<b>61,135</b>	<b>60,442</b>	<b>282,663</b>



**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
3rd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	19,385	-	-	-	14,538	18,173	10,904	63,000
Common	-	-	16,142	-	-	-	11,873	12,975	12,135	53,125
Solids	-	-	16,538	-	-	-	11,918	11,025	15,644	55,125
Total PC 02 J B Latham	-	-	52,065	-	-	-	38,329	42,173	38,683	171,250
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	40,754	-	-	3,209	-	-	31,447	32,090	-	107,500
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	55,065	-	-	4,336	-	-	42,490	53,359	-	155,250
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	79,000	-	-	79,000
Common	2,590	-	-	136	4,232	-	32,225	2,067	-	41,250
Solids	6,171	-	-	325	11,222	-	32,354	4,928	-	55,000
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	8,761	-	-	461	15,454	-	152,329	6,995	-	184,000
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>Total Small Internal Capital Work Plan</b>	<b>63,902</b>	<b>114</b>	<b>52,141</b>	<b>4,802</b>	<b>15,566</b>	<b>108</b>	<b>233,557</b>	<b>102,698</b>	<b>38,988</b>	<b>511,876</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	428,469	-	-	-	321,350	388,584	254,118	1,392,521
Common	-	-	118,576	-	-	-	87,218	94,594	89,863	390,251
Solids	-	-	490,453	-	-	-	353,477	331,197	459,713	1,634,840
Total PC 02 J B Latham	-	-	1,037,498	-	-	-	762,045	814,375	803,694	3,417,612
PC 05 San Juan Creek Ocean Outfall	-	6,406	4,271	-	-	-	5,978	16,864	5,026	38,545
PC 15 Coastal Treatment Plant										
Liquids	1,432,812	-	-	112,820	-	-	1,105,633	1,128,198	-	3,779,463
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	1,447,123	-	-	113,947	-	-	1,116,676	1,149,467	-	3,827,213
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	2,566,409	-	-	2,566,409
Common	4,805	-	-	253	7,857	-	59,831	2,067	1,770	76,583
Solids	50,424	-	-	2,652	91,722	-	264,348	40,267	-	449,413
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	55,229	-	-	2,905	99,579	-	2,899,338	42,334	1,770	3,101,155
PC 21 Effluent Transmission Main	-	-	-	-	25,010	25,010	11,055	-	-	61,075
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>SOCWA Total Capital Work Plan</b>	<b>1,502,428</b>	<b>6,406</b>	<b>1,041,769</b>	<b>116,857</b>	<b>124,701</b>	<b>25,118</b>	<b>4,795,394</b>	<b>2,023,125</b>	<b>810,490</b>	<b>10,446,288</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
4th Quarter

	CLB	CSC	CSJC	EBSO	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	282,490	-	-	-	211,867	264,834	158,901	918,092
Common	-	-	66,920	-	-	-	49,223	53,790	50,310	220,243
Solids	-	-	359,025	-	-	-	258,757	239,350	339,618	1,196,750
Total PC 02 J B Latham	-	-	708,435	-	-	-	519,847	557,974	548,829	2,335,085
PC 15 Coastal Treatment Plant										
Liquids	835,783	-	-	65,810	-	-	644,935	658,097	-	2,204,625
Total PC 15 Coastal Treatment Plant	835,783	-	-	65,810	-	-	644,935	658,097	-	2,204,625
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	898,465	-	-	898,465
Common	-	-	-	-	-	-	-	-	-	-
Solids	39,790	-	-	2,092	72,381	-	208,597	31,775	-	354,635
Total PC 17 Joint Regional Wastewater Reclamation	39,790	-	-	2,092	72,381	-	1,107,062	31,775	-	1,253,100
PC 21 Effluent Transmission Main	-	-	-	-	20,326	20,326	-	-	-	40,652
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>Total Large Capital Work Plan</b>	<b>875,573</b>	<b>-</b>	<b>708,435</b>	<b>67,902</b>	<b>92,707</b>	<b>20,326</b>	<b>2,271,844</b>	<b>1,247,846</b>	<b>548,829</b>	<b>5,833,462</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	-	-	-	-
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	-	-	-	-	-	-	-	-
PC 05 San Juan Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
PC 15 Coastal Treatment Plant										
Liquids	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-
PC 17 Joint Regional Wastewater Reclamation										
Common	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-
<b>Total Non-Capital Engineering Work Plan</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2019-20**  
4th Quarter

	CLB	CSC	CSJC	EBS	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	19,385	-	-	-	14,538	18,173	10,904	63,000
Common	-	-	16,142	-	-	-	11,873	12,975	12,135	53,125
Solids	-	-	16,538	-	-	-	11,918	11,025	15,644	55,125
Total PC 02 J B Latham	-	-	52,065	-	-	-	38,329	42,173	38,683	171,250
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	40,754	-	-	3,209	-	-	31,447	32,090	-	107,500
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	55,065	-	-	4,336	-	-	42,490	53,359	-	155,250
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	79,000	-	-	79,000
Common	2,590	-	-	136	4,232	-	32,225	2,067	-	41,250
Solids	6,171	-	-	325	11,222	-	32,354	4,928	-	55,000
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	8,761	-	-	461	15,454	-	152,329	6,995	-	184,000
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>Total Small Internal Capital Work Plan</b>	<b>63,902</b>	<b>114</b>	<b>52,141</b>	<b>4,802</b>	<b>15,566</b>	<b>108</b>	<b>233,557</b>	<b>102,698</b>	<b>38,988</b>	<b>511,876</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	301,875	-	-	-	226,405	283,007	169,805	981,092
Common	-	-	83,062	-	-	-	61,096	66,765	62,445	273,368
Solids	-	-	375,563	-	-	-	270,675	250,375	355,262	1,251,875
Total PC 02 J B Latham	-	-	760,500	-	-	-	558,176	600,147	587,512	2,506,335
PC 05 San Juan Creek Ocean Outfall	-	114	76	-	-	-	107	86	305	688
PC 15 Coastal Treatment Plant										
Liquids	876,537	-	-	69,019	-	-	676,382	690,187	-	2,312,125
Common	14,311	-	-	1,127	-	-	11,043	11,269	-	37,750
AWT	-	-	-	-	-	-	-	10,000	-	10,000
Total PC 15 Coastal Treatment Plant	890,848	-	-	70,146	-	-	687,425	711,456	-	2,359,875
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	977,465	-	-	977,465
Common	2,590	-	-	136	4,232	-	32,225	2,067	-	41,250
Solids	45,961	-	-	2,417	83,603	-	240,951	36,703	-	409,635
AWT	-	-	-	-	-	-	8,750	-	-	8,750
Total PC 17 Joint Regional Wastewater Reclamation	48,551	-	-	2,553	87,835	-	1,259,391	38,770	-	1,437,100
PC 21 Effluent Transmission Main	-	-	-	-	20,326	20,326	-	-	-	40,652
PC 24 Aliso Creek Ocean Outfall	76	-	-	5	112	108	302	85	-	688
<b>SOCWA Total Capital Work Plan</b>	<b>939,475</b>	<b>114</b>	<b>760,576</b>	<b>72,704</b>	<b>108,273</b>	<b>20,434</b>	<b>2,505,401</b>	<b>1,350,544</b>	<b>587,817</b>	<b>6,345,338</b>

**South Orange County Wastewater Authority**  
**Large Capital Projects Scheduled for FY 2020-21**  
(Small Capital Not Included)

**PC 02 J B Latham**  
**Liquids**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
3285-000 - Main Plant Drain Line Reconstruction (2018)	139,488	139,432	-	-	278,920	278,920
3227-000 - Package ""D"" Design (2021)	76,085	76,054	76,384	76,787	305,310	305,310
3228-000 - Facility Improvements B - Basin Upgrades Construction	1,400,843	1,400,278	703,174	235,630	3,739,925	3,739,925
<b>Total Liquids</b>	<b>1,616,416</b>	<b>1,615,764</b>	<b>779,558</b>	<b>312,417</b>	<b>4,324,155</b>	<b>4,324,155</b>

**Common**

3229-000 - Drainage Pump Station Reconstruction (2021)	17,753	-	80,203	80,627	178,583	178,583
3230-000 - Facility Improvements B - Common Upgrades Construct	219,847	219,758	110,355	36,980	586,940	586,940
<b>Total Common</b>	<b>237,600</b>	<b>219,758</b>	<b>190,558</b>	<b>117,607</b>	<b>765,523</b>	<b>765,523</b>

**Solids**

3234-000 - Centrate Piping Reconstruction (2021)	99,417	99,377	-	-	198,794	198,794
3235-000 - Package ""D"" Design (2021)	228,254	228,162	229,151	230,361	915,928	915,928
3236-000 - Facility Improvements B - Solids Upgrades Construction	1,530,253	1,529,635	768,134	257,397	4,085,419	4,085,419
<b>Total Solids</b>	<b>1,857,924</b>	<b>1,857,174</b>	<b>997,285</b>	<b>487,758</b>	<b>5,200,141</b>	<b>5,200,141</b>

**Total PC 02 J B Latham**

	<b>3,711,940</b>	<b>3,692,696</b>	<b>1,967,401</b>	<b>917,782</b>	<b>10,289,819</b>	<b>10,289,819</b>
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**South Orange County Wastewater Authority**  
**Large Capital Projects Scheduled for FY 2020-21**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 05 San Juan Creek Ocean Outfall</b>						
3605-000 - Junction Structure Reinforcement Permitting and Final	104,057	-	-	-	104,057	206,631
3606-000 - Junction Struction - Sleeve Insertion (2021)	-	-	191,814	192,828	384,642	384,642
<b>Total PC 05 San Juan Creek Ocean Outfall</b>	<b>104,057</b>	<b>-</b>	<b>191,814</b>	<b>192,828</b>	<b>488,699</b>	<b>591,273</b>
<b>PC 15 Coastal Treatment Plant Liquids</b>						
3542-000 - South Embankment Protection (2021)	52,245	-	52,450	-	104,695	104,695
3543-000 - Export Sludge Pipeline Replacement at RTP (2021)	-	70,578	-	-	70,578	349,041
3544-000 - Aeration Upgrade Construction - Part I (2021)	-	519,701	782,932	1,049,424	2,352,057	2,352,057
3545-000 - Facility Improvements Construction - Part III (2021)	1,747,190	1,746,485	877,028	293,887	4,664,590	4,664,590
<b>Total Liquids</b>	<b>1,799,435</b>	<b>2,336,764</b>	<b>1,712,410</b>	<b>1,343,311</b>	<b>7,191,920</b>	<b>7,470,383</b>
<b>AWT</b>						
3546-000 - Chlorine Contact Basin Gates (2021)	47,680	-	191,468	-	239,148	239,148
<b>Total AWT</b>	<b>47,680</b>	<b>-</b>	<b>191,468</b>	<b>-</b>	<b>239,148</b>	<b>239,148</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>1,847,115</b>	<b>2,336,764</b>	<b>1,903,878</b>	<b>1,343,311</b>	<b>7,431,068</b>	<b>7,709,531</b>

**South Orange County Wastewater Authority**  
**Large Capital Projects Scheduled for FY 2020-21**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 17 Joint Regional Wastewater Reclamation Liquids</b>						
3774-000 - MCC A, C, G, H Replacement (Liquids) (2021)	-	-	-	250,742	250,742	984,190
3775-000 - Aeration Handrail Upgrade (2021)	15,292	-	69,087	69,452	153,831	153,831
3776-000 - Effluent Pond Gate Replacement (2021)	110,493	-	-	139,392	249,885	249,885
3777-000 - Site Lighting Upgrade Basins (2021)	64,337	-	290,655	292,190	647,182	647,182
<b>Total Liquids</b>	<b>190,122</b>	<b>-</b>	<b>359,742</b>	<b>751,776</b>	<b>1,301,640</b>	<b>2,035,088</b>
<b>Common</b>						
37002-000 - West Slope Protection (2020)	-	-	91,660	92,145	183,805	183,805
37003-000 - Admin. Bldg. Door and Window Repair (2020)	-	-	66,199	66,549	132,748	132,748
3778-000 - Site Lighting Upgrade - Common (2021)	44,757	-	202,198	203,267	450,222	450,222
3779-000 - MCC A, C, G, H Replacement (Common) (2021)	-	-	-	158,144	158,144	620,735
<b>Total Common</b>	<b>44,757</b>	<b>-</b>	<b>360,057</b>	<b>520,105</b>	<b>924,919</b>	<b>1,387,510</b>
<b>Solids</b>						
37001-000 - MCC A, C, G, H Replacement (Solids) (2021)	-	-	-	111,325	111,325	436,964
<b>Total Solids</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>111,325</b>	<b>111,325</b>	<b>436,964</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>234,879</b>	<b>-</b>	<b>719,799</b>	<b>1,383,206</b>	<b>2,337,884</b>	<b>3,859,562</b>

**South Orange County Wastewater Authority**  
**Large Capital Projects Scheduled for FY 2020-21**  
(Small Capital Not Included)

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 21 Effluent Transmission Main</b>						
3107-000 - Air Valve Replacement Construction (D) (2021)	111,438	111,394	-	-	222,832	222,832
3108-000 - Air Valve Replacement Construction ( E) (2021)	180,675	180,603	-	-	361,278	361,278
3109-000 - Trail Bridge Crossing (D) (2021)	-	-	-	104,635	104,635	1,023,096
<b>Total PC 21 Effluent Transmission Main</b>	<b>292,113</b>	<b>291,997</b>	<b>-</b>	<b>104,635</b>	<b>688,745</b>	<b>1,607,206</b>
<b>FY 20-21 Total Work Plan</b>	<b>6,190,104</b>	<b>6,321,457</b>	<b>4,782,892</b>	<b>3,941,762</b>	<b>21,236,215</b>	<b>24,057,391</b>

**South Orange County Wastewater Authority  
Non Capital Projects Scheduled for FY 2020-21**

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan	Project Life Budget
<b>PC 02 J B Latham</b>						
<b>Liquids</b>						
4205-000 - Influent Flow Metering Evaluation (2021)	-	-	50,922	-	50,922	50,922
4206-000 - Plant 1 Grit Handling Evaluation (2021)	-	50,703	-	-	50,703	50,703
4207-000 - Chlorine Contact Basin/Effluent PS Condition Assessme	-	-	66,199	-	66,199	66,199
4208-000 - Dana Point Influent Sewer Condition Assessment (2021	65,940	-	-	-	65,940	65,940
4209-000 - Plant 1 Influent Sewer Condition Assessment (2021)	86,229	-	-	-	86,229	86,229
4210-000 - Plant 1 Bypass Sewer Condition Assessment (2021)	40,578	-	-	-	40,578	40,578
<b>Total Liquids</b>	<b>192,747</b>	<b>50,703</b>	<b>117,121</b>	<b>-</b>	<b>360,571</b>	<b>360,572</b>
<b>Common</b>						
4211-000 - Site Storage Evaluation (2021)	-	30,422	30,553	-	60,975	60,975
4212-000 - Buried Utility Master Plan (2021)	-	76,054	76,384	-	152,438	152,438
4213-000 - Electrical Conduit and Cable Master Plan (2021)	-	30,422	30,553	-	60,975	60,975
<b>Total Common</b>	<b>-</b>	<b>136,898</b>	<b>137,490</b>	<b>-</b>	<b>274,388</b>	<b>274,388</b>
<b>Total PC 02 J B Latham</b>	<b>192,747</b>	<b>187,601</b>	<b>254,611</b>	<b>-</b>	<b>634,959</b>	<b>634,959</b>
<b>PC 05 San Juan Creek Ocean Outfall</b>						
4602-000 - Landfall Condition Assessment (2021)	-	52,325	-	-	52,325	52,326
<b>Total PC 05 San Juan Creek Ocean Outfall</b>	<b>-</b>	<b>52,325</b>	<b>-</b>	<b>-</b>	<b>52,325</b>	<b>52,326</b>
<b>PC 15 Coastal Treatment Plant</b>						
<b>Liquids</b>						
4503-000 - Storage Evaluation (2021)	30,434	-	-	-	30,434	30,435
<b>Total Liquids</b>	<b>30,434</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30,434</b>	<b>30,434</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>30,434</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30,434</b>	<b>30,434</b>
<b>PC 17 Joint Regional Wastewater Reclamation</b>						
<b>Liquids</b>						
4701-000 - Interstage Pump Station Condition Assessment (2021)	52,346	-	-	-	52,346	52,347
<b>Total Liquids</b>	<b>52,346</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>52,346</b>	<b>52,347</b>
<b>Common</b>						
4702-000 - Site Storage Evaluation (2021)	-	40,562	40,738	-	81,300	81,301
<b>Total Common</b>	<b>-</b>	<b>40,562</b>	<b>40,738</b>	<b>-</b>	<b>81,300</b>	<b>81,300</b>
<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>52,346</b>	<b>40,562</b>	<b>40,738</b>	<b>-</b>	<b>133,646</b>	<b>133,646</b>
<b>PC 24 Aliso Creek Ocean Outfall</b>						
4401-000 - Creek Section Pipeline Replacement Estimate Update (202	-	50,703	-	-	50,703	50,704
<b>Total PC 24 Aliso Creek Ocean Outfall</b>	<b>-</b>	<b>50,703</b>	<b>-</b>	<b>-</b>	<b>50,703</b>	<b>50,703</b>
<b>FY 20-21 Total Work Plan</b>	<b>275,527</b>	<b>331,191</b>	<b>295,349</b>	<b>-</b>	<b>902,067</b>	<b>902,067</b>



**South Orange County Wastewater Authority  
SOCWA Total Capital Projects Scheduled for FY 2020-21**

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	1,330,509	-	-	-	997,882	748,411	1,247,352	4,324,155
Common	-	-	232,601	-	-	-	171,089	174,869	186,964	765,523
Solids	-	-	1,560,042	-	-	-	1,124,355	1,475,716	1,040,028	5,200,141
Total PC 02 J B Latham	-	-	3,123,153	-	-	-	2,293,326	2,398,996	2,474,345	10,289,819
PC 05 San Juan Creek Ocean Outfall	-	81,222	54,148	-	-	-	75,797	216,591	60,941	488,699
PC 15 Coastal Treatment Plant										
Liquids	2,726,489	-	-	-	214,684	-	2,103,905	-	2,146,842	7,191,920
AWT	-	-	-	-	-	-	-	-	239,148	239,148
Total PC 15 Coastal Treatment Plant	2,726,489	-	-	-	214,684	-	2,103,905	-	2,385,990	7,431,068
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	1,301,640	-	-	1,301,640
Common	57,992	-	-	94,897	3,052	-	722,631	-	46,346	924,919
Solids	12,491	-	-	22,721	657	-	65,481	-	9,975	111,325
Total PC 17 Joint Regional Wastewater Reclamation	70,483	-	-	117,618	3,709	-	2,089,753	-	56,321	2,337,884
PC 21 Effluent Transmission Main	-	-	-	344,373	-	344,373	-	-	-	688,745
<b>Total Large Capital Work Plan</b>	<b>2,796,972</b>	<b>81,222</b>	<b>3,177,301</b>	<b>461,991</b>	<b>218,393</b>	<b>344,373</b>	<b>6,562,780</b>	<b>2,615,587</b>	<b>4,977,597</b>	<b>21,236,215</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	110,945	-	-	-	83,209	62,407	104,011	360,571
Common	-	-	83,371	-	-	-	61,323	62,678	67,014	274,387
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	194,316	-	-	-	144,532	125,085	171,025	634,958
PC 05 San Juan Creek Ocean Outfall	-	8,697	5,798	-	-	-	8,116	23,191	6,525	52,326
PC 15 Coastal Treatment Plant										
Liquids	11,538	-	-	-	908	-	8,903	-	9,085	30,434
Total PC 15 Coastal Treatment Plant	11,538	-	-	-	908	-	8,903	-	9,085	30,434
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	52,347	-	-	52,347
Common	5,098	-	-	8,341	268	-	63,519	-	4,074	81,300
Total PC 17 Joint Regional Wastewater Reclamation	5,098	-	-	8,341	268	-	115,866	-	4,074	133,647
PC 24 Aliso Creek Ocean Outfall	5,577	-	-	8,264	395	7,991	22,233	-	6,241	50,702
<b>Total Non-Capital Engineering Work Plan</b>	<b>22,212</b>	<b>8,697</b>	<b>200,114</b>	<b>16,606</b>	<b>1,572</b>	<b>7,991</b>	<b>299,650</b>	<b>148,276</b>	<b>196,950</b>	<b>902,067</b>

**South Orange County Wastewater Authority  
SOCWA Total Capital Projects Scheduled for FY 2020-21**

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	74,520	-	-	-	55,890	41,918	69,863	242,191
Common	-	-	78,620	-	-	-	57,829	59,107	63,195	258,751
Solids	-	-	84,146	-	-	-	60,645	79,597	56,097	280,485
Total PC 02 J B Latham	-	-	237,286	-	-	-	174,364	180,622	189,155	781,426
PC 15 Coastal Treatment Plant										
Liquids	215,710	-	-	-	16,986	-	166,455	-	169,851	569,002
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	65,000	65,000
Total PC 15 Coastal Treatment Plant	215,710	-	-	-	16,986	-	166,455	-	234,851	634,002
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	202,354	-	-	202,354
Common	18,030	-	-	29,503	949	-	224,666	-	14,409	287,557
Solids	20,613	-	-	37,497	1,084	-	108,062	-	16,461	183,717
Total PC 17 Joint Regional Wastewater Reclamation	38,643	-	-	67,000	2,033	-	535,082	-	30,870	673,628
<b>Total Small Internal Capital Work Plan</b>	<b>254,353</b>	<b>-</b>	<b>237,286</b>	<b>67,000</b>	<b>19,019</b>	<b>-</b>	<b>875,901</b>	<b>180,622</b>	<b>454,876</b>	<b>2,089,057</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	1,515,974	-	-	-	1,136,981	852,735	1,421,226	4,926,917
Common	-	-	394,593	-	-	-	290,241	296,654	317,173	1,298,661
Solids	-	-	1,644,188	-	-	-	1,185,000	1,555,313	1,096,125	5,480,626
Total PC 02 J B Latham	-	-	3,554,755	-	-	-	2,612,222	2,704,702	2,834,524	11,706,203
PC 05 San Juan Creek Ocean Outfall	-	89,918	59,946	-	-	-	83,913	239,782	67,466	541,025
PC 15 Coastal Treatment Plant										
Liquids	2,953,737	-	-	-	232,579	-	2,279,263	-	2,325,777	7,791,356
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	304,148	304,148
Total PC 15 Coastal Treatment Plant	2,953,737	-	-	-	232,579	-	2,279,263	-	2,629,925	8,095,504
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	1,556,341	-	-	1,556,341
Common	81,120	-	-	132,741	4,269	-	1,010,816	-	64,829	1,293,776
Solids	33,104	-	-	60,218	1,741	-	173,544	-	26,436	295,042
Total PC 17 Joint Regional Wastewater Reclamation	114,223	-	-	192,959	6,010	-	2,740,701	-	91,265	3,145,159
PC 21 Effluent Transmission Main	-	-	-	344,373	-	344,373	-	-	-	688,745
PC 24 Aliso Creek Ocean Outfall	5,577	-	-	8,264	395	7,991	22,233	-	6,241	50,702
<b>SOCWA Total Capital Work Plan</b>	<b>3,073,538</b>	<b>89,918</b>	<b>3,614,700</b>	<b>545,596</b>	<b>238,984</b>	<b>352,363</b>	<b>7,738,331</b>	<b>2,944,485</b>	<b>5,629,422</b>	<b>24,227,339</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
1st Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Large Capital</b>										
PC 02 J B Latham										
Liquids	-	-	497,359	-	-	-	373,019	279,764	466,274	1,616,416
Common	-	-	72,194	-	-	-	53,102	54,275	58,029	237,600
Solids	-	-	557,377	-	-	-	401,713	527,249	371,585	1,857,924
Total PC 02 J B Latham	-	-	1,126,930	-	-	-	827,834	861,288	895,888	3,711,940
PC 05 San Juan Creek Ocean Outfall	-	17,294	11,530	-	-	-	16,139	46,118	12,976	104,057
PC 15 Coastal Treatment Plant										
Liquids	682,174	-	-	-	53,714	-	526,402	-	537,145	1,799,435
AWT	-	-	-	-	-	-	-	-	47,680	47,680
Total PC 15 Coastal Treatment Plant	682,174	-	-	-	53,714	-	526,402	-	584,825	1,847,115
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	190,122	-	-	190,122
Common	2,806	-	-	4,592	148	-	34,968	-	2,243	44,757
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	2,806	-	-	4,592	148	-	225,090	-	2,243	234,879
PC 21 Effluent Transmission Main	-	-	-	146,057	-	146,057	-	-	-	292,113
<b>Total Large Capital Work Plan</b>	<b>684,980</b>	<b>17,294</b>	<b>1,138,459</b>	<b>150,649</b>	<b>53,862</b>	<b>146,057</b>	<b>1,595,466</b>	<b>907,406</b>	<b>1,495,931</b>	<b>6,190,104</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	59,307	-	-	-	44,480	33,360	55,600	192,747
Common	-	-	-	-	-	-	-	-	-	-
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	59,307	-	-	-	44,480	33,360	55,600	192,747
PC 05 San Juan Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
PC 15 Coastal Treatment Plant										
Liquids	11,538	-	-	-	908	-	8,903	-	9,085	30,434
Total PC 15 Coastal Treatment Plant	11,538	-	-	-	908	-	8,903	-	9,085	30,434
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	52,347	-	-	52,347
Common	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	52,347	-	-	52,347
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>Total Non-Capital Engineering Work Plan</b>	<b>11,538</b>	<b>-</b>	<b>59,307</b>	<b>-</b>	<b>908</b>	<b>-</b>	<b>105,730</b>	<b>33,360</b>	<b>64,685</b>	<b>275,528</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
1st Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	18,630	-	-	-	13,973	10,479	17,466	60,548
Common	-	-	19,655	-	-	-	14,457	14,777	15,799	64,688
Solids	-	-	21,036	-	-	-	15,161	19,899	14,024	70,121
Total PC 02 J B Latham	-	-	59,321	-	-	-	43,591	45,155	47,289	195,356
PC 15 Coastal Treatment Plant										
Liquids	53,928	-	-	-	4,246	-	41,613	-	42,463	142,250
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	53,928	-	-	-	4,246	-	41,613	-	58,713	158,500
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	50,589	-	-	50,589
Common	4,507	-	-	7,376	237	-	56,167	-	3,602	71,890
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	9,661	-	-	16,750	508	-	133,771	-	7,718	168,408
<b>Total Small Internal Capital Work Plan</b>	<b>63,588</b>	<b>-</b>	<b>59,321</b>	<b>16,750</b>	<b>4,754</b>	<b>-</b>	<b>218,976</b>	<b>45,155</b>	<b>113,719</b>	<b>522,264</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	575,296	-	-	-	431,472	323,604	539,340	1,869,711
Common	-	-	91,849	-	-	-	67,559	69,052	73,828	302,288
Solids	-	-	578,414	-	-	-	416,875	547,148	385,609	1,928,045
Total PC 02 J B Latham	-	-	1,245,558	-	-	-	915,905	939,803	998,777	4,100,043
PC 05 San Juan Creek Ocean Outfall	-	17,294	11,530	-	-	-	16,139	46,118	12,976	104,057
PC 15 Coastal Treatment Plant										
Liquids	747,639	-	-	-	58,869	-	576,918	-	588,692	1,972,119
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	63,930	63,930
Total PC 15 Coastal Treatment Plant	747,639	-	-	-	58,869	-	576,918	-	652,622	2,036,049
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	293,058	-	-	293,058
Common	7,314	-	-	11,968	385	-	91,135	-	5,845	116,647
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	12,467	-	-	21,342	656	-	411,208	-	9,960	455,634
PC 21 Effluent Transmission Main	-	-	-	146,057	-	146,057	-	-	-	292,113
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>SOCWA Total Capital Work Plan</b>	<b>760,106</b>	<b>17,294</b>	<b>1,257,088</b>	<b>167,399</b>	<b>59,525</b>	<b>146,057</b>	<b>1,920,171</b>	<b>985,921</b>	<b>1,674,335</b>	<b>6,987,896</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
2nd Quarter

**Large Capital**

PC 02 J B Latham

Liquids	-	-	497,158	-	-	-	372,869	279,651	466,086	1,615,764
Common	-	-	66,773	-	-	-	49,114	50,199	53,672	219,758
Solids	-	-	557,152	-	-	-	401,551	527,036	371,435	1,857,174
Total PC 02 J B Latham	-	-	1,121,083	-	-	-	823,534	856,887	891,192	3,692,696

PC 05 San Juan Creek Ocean Outfall

	-	-	-	-	-	-	-	-	-	-
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PC 15 Coastal Treatment Plant

Liquids	885,878	-	-	-	69,754	-	683,591	-	697,541	2,336,764
AWT	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	885,878	-	-	-	69,754	-	683,591	-	697,541	2,336,764

PC 17 Joint Regional Wastewater Reclamation

Liquids	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	-	-	-	-
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-

PC 21 Effluent Transmission Main

	-	-	-	145,999	-	145,999	-	-	-	291,997
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**Total Large Capital Work Plan**

	885,878	-	1,121,083	145,999	69,754	145,999	1,507,125	856,887	1,588,734	6,321,457
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**Non-Capital Engineering Projects (Non-Operating O&M)**

PC 02 J B Latham

Liquids	-	-	15,601	-	-	-	11,701	8,776	14,626	50,703
Common	-	-	41,596	-	-	-	30,596	31,272	33,435	136,898
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	57,197	-	-	-	42,296	40,047	48,061	187,601

PC 05 San Juan Creek Ocean Outfall

	-	8,697	5,798	-	-	-	8,116	23,191	6,525	52,326
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PC 15 Coastal Treatment Plant

Liquids	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-

PC 17 Joint Regional Wastewater Reclamation

Liquids	-	-	-	-	-	-	-	-	-	-
Common	2,543	-	-	4,162	134	-	31,691	-	2,033	40,562
Total PC 17 Joint Regional Wastewater Reclamation	2,543	-	-	4,162	134	-	31,691	-	2,033	40,562

PC 24 Aliso Creek Ocean Outfall

	5,577	-	-	8,264	395	7,991	22,233	-	6,241	50,702
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**Total Non-Capital Engineering Work Plan**

	8,120	8,697	62,995	12,426	529	7,991	104,336	63,238	62,860	331,191
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**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
2nd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	18,630	-	-	-	13,973	10,479	17,466	60,548
Common	-	-	19,655	-	-	-	14,457	14,777	15,799	64,688
Solids	-	-	21,036	-	-	-	15,161	19,899	14,024	70,121
Total PC 02 J B Latham	-	-	59,321	-	-	-	43,591	45,155	47,289	195,356
PC 15 Coastal Treatment Plant										
Liquids	53,928	-	-	-	4,246	-	41,613	-	42,463	142,250
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	53,928	-	-	-	4,246	-	41,613	-	58,713	158,500
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	50,589	-	-	50,589
Common	4,507	-	-	7,376	237	-	56,166	-	3,603	71,889
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	9,661	-	-	16,750	508	-	133,771	-	7,718	168,407
<b>Total Small Internal Capital Work Plan</b>	<b>63,588</b>	<b>-</b>	<b>59,321</b>	<b>16,750</b>	<b>4,754</b>	<b>-</b>	<b>218,975</b>	<b>45,155</b>	<b>113,719</b>	<b>522,263</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	531,389	-	-	-	398,542	298,906	498,177	1,727,015
Common	-	-	128,024	-	-	-	94,167	96,248	102,905	421,344
Solids	-	-	578,189	-	-	-	416,712	546,935	385,459	1,927,295
Total PC 02 J B Latham	-	-	1,237,601	-	-	-	909,422	942,089	986,541	4,075,653
PC 05 San Juan Creek Ocean Outfall	-	8,697	5,798	-	-	-	8,116	23,191	6,525	52,326
PC 15 Coastal Treatment Plant										
Liquids	939,805	-	-	-	74,000	-	725,204	-	740,004	2,479,014
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	939,805	-	-	-	74,000	-	725,204	-	756,254	2,495,264
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	50,589	-	-	50,589
Common	7,051	-	-	11,537	371	-	87,857	-	5,636	112,452
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	12,204	-	-	20,912	642	-	165,461	-	9,751	208,970
PC 21 Effluent Transmission Main	-	-	-	145,999	-	145,999	-	-	-	291,997
PC 24 Aliso Creek Ocean Outfall	5,577	-	-	8,264	395	7,991	22,233	-	6,241	50,702
<b>SOCWA Total Capital Work Plan</b>	<b>957,586</b>	<b>8,697</b>	<b>1,243,399</b>	<b>175,175</b>	<b>75,038</b>	<b>153,989</b>	<b>1,830,435</b>	<b>965,280</b>	<b>1,765,313</b>	<b>7,174,912</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
3rd Quarter

**Large Capital**

PC 02 J B Latham

Liquids	-	-	239,864	-	-	-	179,898	134,924	224,873	779,558
Common	-	-	57,900	-	-	-	42,588	43,529	46,540	190,558
Solids	-	-	299,186	-	-	-	215,629	283,013	199,457	997,285
Total PC 02 J B Latham	-	-	596,950	-	-	-	438,116	461,466	470,870	1,967,401

PC 05 San Juan Creek Ocean Outfall

	-	31,879	21,253	-	-	-	29,750	85,012	23,919	191,814
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PC 15 Coastal Treatment Plant

Liquids	649,182	-	-	-	51,117	-	500,944	-	511,167	1,712,410
AWT	-	-	-	-	-	-	-	-	191,468	191,468
Total PC 15 Coastal Treatment Plant	649,182	-	-	-	51,117	-	500,944	-	702,635	1,903,878

PC 17 Joint Regional Wastewater Reclamation

Liquids	-	-	-	-	-	-	359,742	-	-	359,742
Common	22,576	-	-	36,942	1,188	-	281,309	-	18,042	360,057
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	22,576	-	-	36,942	1,188	-	641,051	-	18,042	719,799

PC 21 Effluent Transmission Main

	-	-	-	-	-	-	-	-	-	-
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**Total Large Capital Work Plan**

	<b>671,758</b>	<b>31,879</b>	<b>618,203</b>	<b>36,942</b>	<b>52,305</b>	<b>-</b>	<b>1,609,861</b>	<b>546,478</b>	<b>1,215,466</b>	<b>4,782,892</b>
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**Non-Capital Engineering Projects (Non-Operating O&M)**

PC 02 J B Latham

Liquids	-	-	36,037	-	-	-	27,028	20,271	33,785	117,121
Common	-	-	41,776	-	-	-	30,728	31,407	33,579	137,490
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	77,813	-	-	-	57,756	51,678	67,364	254,611

PC 05 San Juan Creek Ocean Outfall

	-	-	-	-	-	-	-	-	-	-
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PC 15 Coastal Treatment Plant

Liquids	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-

PC 17 Joint Regional Wastewater Reclamation

Liquids	-	-	-	-	-	-	-	-	-	-
Common	2,554	-	-	4,180	134	-	31,828	-	2,041	40,738
Total PC 17 Joint Regional Wastewater Reclamation	2,554	-	-	4,180	134	-	31,828	-	2,041	40,738

PC 24 Aliso Creek Ocean Outfall

	-	-	-	-	-	-	-	-	-	-
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**Total Non-Capital Engineering Work Plan**

	<b>2,554</b>	<b>-</b>	<b>77,813</b>	<b>4,180</b>	<b>134</b>	<b>-</b>	<b>89,584</b>	<b>51,678</b>	<b>69,406</b>	<b>295,349</b>
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**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
3rd Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	18,630	-	-	-	13,973	10,479	17,466	60,548
Common	-	-	19,655	-	-	-	14,457	14,777	15,799	64,688
Solids	-	-	21,036	-	-	-	15,161	19,899	14,024	70,121
Total PC 02 J B Latham	-	-	59,321	-	-	-	43,591	45,155	47,289	195,356
PC 15 Coastal Treatment Plant										
Liquids	53,928	-	-	-	4,246	-	41,613	-	42,463	142,250
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	53,928	-	-	-	4,246	-	41,613	-	58,713	158,500
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	50,589	-	-	50,589
Common	4,507	-	-	7,376	237	-	56,166	-	3,602	71,889
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	9,661	-	-	16,750	508	-	133,771	-	7,718	168,407
<b>Total Small Internal Capital Work Plan</b>	<b>63,588</b>	<b>-</b>	<b>59,321</b>	<b>16,750</b>	<b>4,754</b>	<b>-</b>	<b>218,975</b>	<b>45,155</b>	<b>113,719</b>	<b>522,263</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	294,531	-	-	-	220,898	165,674	276,123	957,227
Common	-	-	119,331	-	-	-	87,774	89,713	95,918	392,736
Solids	-	-	320,222	-	-	-	230,791	302,913	213,481	1,067,406
Total PC 02 J B Latham	-	-	734,084	-	-	-	539,462	558,299	585,522	2,417,368
PC 05 San Juan Creek Ocean Outfall	-	31,879	21,253	-	-	-	29,750	85,012	23,919	191,814
PC 15 Coastal Treatment Plant										
Liquids	703,110	-	-	-	55,363	-	542,557	-	553,630	1,854,660
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	207,718	207,718
Total PC 15 Coastal Treatment Plant	703,110	-	-	-	55,363	-	542,557	-	761,348	2,062,378
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	410,331	-	-	410,331
Common	29,637	-	-	48,497	1,560	-	369,304	-	23,686	472,684
Solids	5,153	-	-	9,374	271	-	27,016	-	4,115	45,929
Total PC 17 Joint Regional Wastewater Reclamation	34,791	-	-	57,872	1,831	-	806,650	-	27,801	928,944
PC 21 Effluent Transmission Main	-	-	-	-	-	-	-	-	-	-
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>SOCWA Total Capital Work Plan</b>	<b>737,900</b>	<b>31,879</b>	<b>755,337</b>	<b>57,872</b>	<b>57,194</b>	<b>-</b>	<b>1,918,420</b>	<b>643,311</b>	<b>1,398,590</b>	<b>5,600,504</b>



**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
4th Quarter

**Large Capital**

PC 02 J B Latham

Liquids

Common

Solids

Total PC 02 J B Latham

PC 05 San Juan Creek Ocean Outfall

PC 15 Coastal Treatment Plant

Liquids

AWT

Total PC 15 Coastal Treatment Plant

PC 17 Joint Regional Wastewater Reclamation

Liquids

Common

Solids

Total PC 17 Joint Regional Wastewater Reclamation

PC 21 Effluent Transmission Main

**Total Large Capital Work Plan**

**Non-Capital Engineering Projects (Non-Operating O&M)**

PC 02 J B Latham

Liquids

Common

Solids

Total PC 02 J B Latham

PC 05 San Juan Creek Ocean Outfall

PC 15 Coastal Treatment Plant

Liquids

Total PC 15 Coastal Treatment Plant

PC 17 Joint Regional Wastewater Reclamation

Liquids

Common

Total PC 17 Joint Regional Wastewater Reclamation

PC 24 Aliso Creek Ocean Outfall

**Total Non-Capital Engineering Work Plan**

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
PC 02 J B Latham										
Liquids	-	-	96,128	-	-	-	72,096	54,072	90,120	312,417
Common	-	-	35,734	-	-	-	26,284	26,865	28,723	117,607
Solids	-	-	146,327	-	-	-	105,461	138,418	97,552	487,758
Total PC 02 J B Latham	-	-	278,190	-	-	-	203,842	219,355	216,395	917,782
PC 05 San Juan Creek Ocean Outfall	-	32,048	21,365	-	-	-	29,908	85,461	24,046	192,828
PC 15 Coastal Treatment Plant										
Liquids	509,255	-	-	-	40,099	-	392,969	-	400,988	1,343,311
AWT	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	509,255	-	-	-	40,099	-	392,969	-	400,988	1,343,311
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	751,776	-	-	751,776
Common	32,611	-	-	53,363	1,716	-	406,354	-	26,062	520,105
Solids	12,491	-	-	22,721	657	-	65,481	-	9,975	111,325
Total PC 17 Joint Regional Wastewater Reclamation	45,101	-	-	76,084	2,373	-	1,223,611	-	36,036	1,383,206
PC 21 Effluent Transmission Main	-	-	-	52,318	-	52,318	-	-	-	104,635
<b>Total Large Capital Work Plan</b>	<b>554,356</b>	<b>32,048</b>	<b>299,555</b>	<b>128,402</b>	<b>42,472</b>	<b>52,318</b>	<b>1,850,329</b>	<b>304,816</b>	<b>677,466</b>	<b>3,941,762</b>
<b>Non-Capital Engineering Projects (Non-Operating O&amp;M)</b>										
PC 02 J B Latham										
Liquids	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	-	-	-	-
Solids	-	-	-	-	-	-	-	-	-	-
Total PC 02 J B Latham	-	-	-	-	-	-	-	-	-	-
PC 05 San Juan Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
PC 15 Coastal Treatment Plant										
Liquids	-	-	-	-	-	-	-	-	-	-
Total PC 15 Coastal Treatment Plant	-	-	-	-	-	-	-	-	-	-
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>Total Non-Capital Engineering Work Plan</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**South Orange County Wastewater Authority**  
**SOCWA Total Capital Projects Scheduled for FY 2020-21**  
4th Quarter

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
<b>Small Internal Capital</b>										
PC 02 J B Latham										
Liquids	-	-	18,630	-	-	-	13,973	10,479	17,466	60,548
Common	-	-	19,655	-	-	-	14,457	14,777	15,799	64,688
Solids	-	-	21,036	-	-	-	15,161	19,899	14,024	70,121
Total PC 02 J B Latham	-	-	59,321	-	-	-	43,591	45,155	47,289	195,356
PC 15 Coastal Treatment Plant										
Liquids	53,928	-	-	-	4,246	-	41,613	-	42,463	142,250
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	53,928	-	-	-	4,246	-	41,613	-	58,713	158,500
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	50,589	-	-	50,589
Common	4,507	-	-	7,376	237	-	56,166	-	3,603	71,889
Solids	5,153	-	-	9,374	271	-	27,016	-	4,116	45,929
Total PC 17 Joint Regional Wastewater Reclamation	9,661	-	-	16,750	508	-	133,771	-	7,718	168,407
<b>Total Small Internal Capital Work Plan</b>	<b>63,588</b>	<b>-</b>	<b>59,321</b>	<b>16,750</b>	<b>4,754</b>	<b>-</b>	<b>218,975</b>	<b>45,155</b>	<b>113,719</b>	<b>522,263</b>
<b>SOCWA Total Capital</b>										
PC 02 J B Latham										
Liquids	-	-	114,758	-	-	-	86,069	64,552	107,586	372,965
Common	-	-	55,389	-	-	-	40,741	41,642	44,522	182,295
Solids	-	-	167,364	-	-	-	120,623	158,317	111,576	557,879
Total PC 02 J B Latham	-	-	337,512	-	-	-	247,433	264,510	263,684	1,113,138
PC 05 San Juan Creek Ocean Outfall	-	32,048	21,365	-	-	-	29,908	85,461	24,046	192,828
PC 15 Coastal Treatment Plant										
Liquids	563,183	-	-	-	44,345	-	434,582	-	443,451	1,485,561
Common	-	-	-	-	-	-	-	-	-	-
AWT	-	-	-	-	-	-	-	-	16,250	16,250
Total PC 15 Coastal Treatment Plant	563,183	-	-	-	44,345	-	434,582	-	459,701	1,501,811
PC 17 Joint Regional Wastewater Reclamation										
Liquids	-	-	-	-	-	-	802,365	-	-	802,365
Common	37,118	-	-	60,739	1,954	-	462,520	-	29,665	591,995
Solids	17,644	-	-	32,096	928	-	92,497	-	14,091	157,255
Total PC 17 Joint Regional Wastewater Reclamation	54,762	-	-	92,834	2,881	-	1,357,381	-	43,755	1,551,614
PC 21 Effluent Transmission Main	-	-	-	52,318	-	52,318	-	-	-	104,635
PC 24 Aliso Creek Ocean Outfall	-	-	-	-	-	-	-	-	-	-
<b>SOCWA Total Capital Work Plan</b>	<b>617,945</b>	<b>32,048</b>	<b>358,877</b>	<b>145,152</b>	<b>47,226</b>	<b>52,318</b>	<b>2,069,304</b>	<b>349,972</b>	<b>791,186</b>	<b>4,464,027</b>

# Agenda Item

# 7

**Budgeted:** No

**Funding:** Small Capital (PC2)

**Recommended Spending:** \$133,600

**Legal Counsel Review:** N/A

**Meeting Date:** May 21, 2019

**TO:** Finance Committee

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** David Lloyd, IT Administrator

**SUBJECT:** Agenda Preparation Software / Audio Visual Hardware

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## **Summary:**

Administrative staff have been interested for some time in betterment of their ability to prepare board packets, keep accurate meeting records and minutes. The existing use of the hand-held recording system is antiquated and with the number of meeting attendees and speakers over the last several years increasing, the preparation of documents is cumbersome and challenging. The recording system frequently fails to pick up the speaker over the rustling of papers and background noise. **This is the principal reason for the requested investment in a better system.**

Staff considered budgeting for these improvements in the coming year, however, with the availability of some funding in the SOCWA small capital budget as projected for the close of the current fiscal year, staff would like to purchase an improved system at this time. There are other advantages to adding the new systems:

- Agenda preparation software would offer the option of paperless agendas with links to agenda topics that would eliminate up/down scrolling for those using electronic devices.
- The software could include the ability for live streaming video via online access through SOCWA's website, which would give SOCWA greater transparency for all public meetings.

In January 2019, David Lloyd, IT Administrator, and Danita Hirsh, Administrative Assistant II/III collaborated on evaluating a complete integrated system with the following goals in mind:

- Improved audio functionality to isolate speakers and control microphone input
- Agenda Automation (i.e., postings, routing/tracking staff reports, attachments, etc.)
- Meeting Management functionality (i.e., timestamping, voting, motions, etc.)
- Video Streaming (i.e., live and on-demand viewing)
- Voting capabilities; and
- Document Management (i.e., automated meeting archiving and retrieval)

Staff solicited advice and proposals from 5 vendors for Agenda Automation as well as AV equipment providers. Staff is interested in bringing technology in-house to allow for efficiency and clarity in managing meetings and documents so they also consulted with Chris Cardenas

of SOCTV Productions who has been attending and video recording meetings here at SOCWA for some time.

Staff focused on purchasing a limited system that would meet immediate needs. Two software systems were evaluated and based on features and cost considerations, the PrimeGov system is recommended. In contrast to the Granicus System, it offers similar features in agenda preparation, meeting tracking and minutes development but at a lower cost. PrimeGov also has the advantage of providing a one-stop shop for Agenda automation, videoing integration, and voting functions. We also found that AVI-SPI would be the top choice for video cameras, audio speakers, microphones, transmitter, receiver, media display, and necessary hardware. Based on these two options, a small and efficient system can be purchased for:

- \$15,000 Software cost (with a 3% annual increase)
- \$118,600 Hardware cost (this allows for funding 4 cameras for all room angles; cost could be reduced with use of fewer cameras, each at a cost of \$5400).

Funding for this project would come from the FY 2018-19 small capital budget for PC 2. Staff recommends redistribution of the costs equally across all project committees with the preparation of the FY Use Audit.

**Recommendation:**

Staff recommends the Finance Committee recommend to the Board of Directors to authorize staff to acquire a limited software/hardware system to increase quality and improve efficiency in agenda/meeting/documentation functions at SOCWA.

# Agenda Item

8

**Legal Counsel Review:** N/A

**Meeting Date:** May 21, 2019

**TO:** Finance Committee

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Investment Policy for Public Funds Annual Review

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**Summary:**

At its December 7, 2017 Board of Directors meeting, the Board approved Resolution No. 2017-09 and repealed Resolution 2007-05 bringing the Investment Policy for Public Funds current.

As directed by the Board, the General Manager and Finance Controller are to review the policy annually and recommend any revisions necessary. Staff has completed the review and evaluation of the Investment Policy for Public Funds for FY18-19 and have found no changes to be made at this time.

**Recommendation:**

Staff recommends the Finance Committee recommend the Board of Directors receive and file subject report indicating there is no change to the SOCWA Investment Policy based on the annual review.

# **Investment Policy For Public Funds**

## **TABLE OF CONTENTS**

- 1. Purpose of Policy**
- 2. Objective**
- 3. General Policy**
- 4. Delegation of Authority**
- 5. Ethics and Conflicts of Interests**
- 6. Authorized Financial Institutions**
- 7. Safekeeping and Custody**
- 8. Reporting Guidelines**
- 9. Policy Revisions**
- 10. Policy Approval and Adoption**

## **1. PURPOSE OF POLICY**

This statement is intended to provide guidelines to the Agency General Manager for the prudent investment of the South Orange County Wastewater Authority's ("SOCWA") available funds, and to outline policies for the safe and prudent management of SOCWA funds without sacrificing safety or liquidity. The Finance Committee will review this Policy annually, and if advisable, will recommend changes for approval of the Board of Directors.

## **2. OBJECTIVE**

SOCWA's cash management system is designed to accurately monitor and forecast expenditures and revenues. All funds will be invested with the intent of maximizing safety and liquidity.

## **3. GENERAL POLICY**

SOCWA invests member agency funds deposited with SOCWA in accordance with the prudent investor standard, Government Code Section 53600.3, which states:

"When investing, reinvesting, purchasing, acquiring, exchanging, selling or managing public funds, a trustee shall act with care, skill, prudence and diligence under the circumstances then prevailing, including but not limited to the general economic conditions and the anticipated needs of the agency, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the agency. Within the limitations of this section and considering individual investments as part of an overall strategy, investments may be acquired as authorized by law."

As long as the investment complies with the aforesaid standard and is allowable under current statutes of the State of California (Government Code Section 53600 et seq.), SOCWA has a range of investment opportunities.

Investments may be made in the following:

(See Attachment A-1)

The list of permitted investments under Attachment A-1 does not include all of those which are permitted under the California Government Code; rather this list includes the securities which are most appropriate to SOCWA. Specific limitations on these investments are specified.



Criteria for selecting investments and order of priority are:

- a) Safety. The Safety and risk associated with an investment refer to the potential loss of principal, interest, or a combination of these amounts. SOCWA only operates in those investments that are considered very safe.
- b) Liquidity. This refers to the ability to “cash in” at any moment in time with a minimal chance of losing some portion of principal or interest. Liquidity is an important investment quality especially when the need for unexpected funds occurs.
- c) Yield. Yield is potential dollar earnings an investment can provide, and sometimes is described as the rate of return.
- d) Safekeeping. Securities purchased from brokers/dealers shall be held in third party safekeeping by that trust department of the local agency’s bank or other designated third party trust, in local agencies name and control whenever possible.
- e) Investment objective. The cash management system of SOCWA is designed to accurately monitor and forecast expenditures and revenues, thus insuring the investment of monies to the fullest extent possible. SOCWA attempts to obtain the highest interest yields possible as long as investments meet the criteria required for safety and liquidity.
- f) Maximum Secured Investment. SOCWA may invest in Certificates of Deposit up to a maximum amount of \$250,000 per institution. SOCWA will rely on the FDIC \$250,000 insured limit to obtain security on the invested funds and will request that interest earned be paid monthly, in order to reduce the risk of loss interest.
- g) Should premature cancellation of an investment vehicle (under Attachment A-2) become necessary, the General Manager shall consult with either the Finance Committee, the Finance Committee Chairman, or the Board Chairman as time allows and determine the appropriate action to ensure the safety of SOCWA deposits. The SOCWA Finance Committee will be notified as soon as possible of the steps taken.

All member agency funds, to be invested, will be held in the California State local Agency Investment Fund (LAIF) unless the General Manager is instructed by the Finance Committee to invest in the investment vehicles listed in Attachment A-2. Staff would then present proposals to the Finance Committee, outlining the specifics of any investments to be made that meet the requirements of this policy. Upon approval, from the Finance Committee, investments will be made as soon as funds can be transferred. Any changes to investments approved by the Finance Committee will be reported to the Board of Directors at the next meeting of the Board of Directors.

#### 4. DELEGATION OF AUTHORITY

Authority to manage SOCWA's investment program is derived from the approval of Resolution No. 2017-08 Adopting Investment Policy for+ Public Funds. Management responsibility for the program is hereby delegated to the General Manager of SOCWA who, pursuant to the approved terms under this Policy, has established investment program procedures and span of control requirements for staff. No person may engage in an investment transaction except as provided under the terms of this policy.

Broker/Dealers will be avoided whenever possible, unless specifically authorized by the Finance Committee.

#### 5. ETHICS AND CONFLICTS OF INTERESTS

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program, or which could impair their ability to make impartial investment decisions. Employees shall disclose to the General Manager any material financial interests in financial institutions that conduct business within the SOCWA jurisdiction, and they shall further disclose any personal financial/investment positions or interests related to the performance of the SOCWA's portfolio. Employees and officers shall subordinate their personal investment transactions to those of SOCWA, particularly with regard to the time of purchases and sales. These requirements are in addition to other conflict of interest rules that may otherwise apply.

#### 6. AUTHORIZED FINANCIAL INSTITUTIONS

No public deposits shall be made except in a qualified public depository as established by state law. No Certificate Deposit shall be placed with any institution unless such deposit is FDIC insured.

#### 7. SAFEKEEPING AND CUSTODY

All security transactions entered into by the SOCWA shall be conducted on a delivery-versus-payment (DVP) basis. A third-party custodian designated by the General Manager and evidenced by safekeeping receipt will hold securities.

#### 8. REPORTING GUIDELINES

In accordance with Government Code 53646, the General Manager shall submit to the Board of Directors a monthly investment report. The report shall include a complete description of the portfolio including: the type of investments, the issuers, maturity dates, par values and the current market values of each component of the portfolio. The report will also include the source of the portfolio valuation (with the exception of LAIF). As specified in Government Code 53646(e), if all funds are placed in the State LAIF or FDIC-insured accounts, copies of the latest statements from such institutions may be provided in lieu of the foregoing report

elements. The report must also include a certification that (1) all investment actions executed since the last report have been made in full compliance with this Policy, and (2) SOCWA will meet its expenditure obligations for the next six months, or provide an explanation as to why money monies shall or may not be available. The General Manager shall maintain a complete and timely record of all investment transactions.

#### 9. POLICY REVISIONS

This Policy will be reviewed annually by the General Manager and the Finance Controller in consultation with the Agency's legal counsel and the Finance Committee. Updates to the Attachments, A-1 and A-2 will occur whenever applicable federal, state or local regulations change or otherwise as the need arises. This Policy may only be revised by the Board of Directors.

#### 10. POLICY APPROVAL AND ADOPTION

This Policy has been reviewed by the SOCWA Board of Director's and adopted by Resolution 2017-08 on December 7, 2017.

**EXHIBIT A-1**

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
INVESTMENT POLICY – November 2, 2017**

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Local Agency investment Fund (LAIF)	Permits a local agency to deposit funds with the State Treasurer for the purpose of investment in securities prescribed in Government Code Section 16430. (Government code Section 16429.1 et seq.)	None. Note: Current maximum deposit set by LAIF is \$40 million dollars.
Passbook Savings Account Demand Deposits	Savings in federally insured Banks and Thrifts insured by the FDIC. All funds exceeding \$250,000.00 at any time must be collateralized according to state statutes.	None.

**Exhibit A-2**  
**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**  
**INVESTMENT POLICY – November 2, 2017**

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Negotiable Certificate of Deposits	Permits a local agency to deposit funds in certificates of deposit in accordance with the requirements of Government Code 53601(i)	In compliance with Statute.
U.S. Treasury Notes	Permits a local agency to deposit funds in U.S. Treasury Notes in accordance with Government Code Section 53601(b)	In compliance with Statute.
Other Joint Powers Agency Investments	Permits a local agency to deposit funds with Other California Joint Powers Agency Investment programs in accordance with Government Code Section 53601(p)	In compliance with Statute.

# Agenda Item

# 9

**Legal Counsel Review:** N/A

**Meeting Date:** May 21, 2019

**TO:** Finance Committee

**FROM:** Betty Burnett, General Manager

**STAFF CONTACT:** Mary Carey, Finance Controller

**SUBJECT:** Large Capital Cash Roll Forward as of March 31, 2019 (Q3) and  
Large Capital Refund of Inactive Projects Cash as of March 31, 2019.

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## **Summary:**

Per direction from the Board of Directors and the State Auditors, the Authority is required to report large capital cash balances by project committee, capital project and member agency quarterly to the member agencies.

In response to the requirement, attached are:

1. Cash Roll Forward Reconciliation to Recorded Cash as of Q3, March 31, 2019
  - Cash Roll Forward Narrative/Notes explaining reconciling items
2. Large Capital Cash by PC, Capital Project and Member Agency
3. Non-Capital Cash by PC and Member Agency (Engineering Expense Item)
4. Small Capital Cash by PC, Capital Project and Member Agency

With respect to the large capital cash refund of closed projects as of March 31, 2019 the Committee should note that the Q3 Quarterly Cash Roll Forward will be used to support the return of cash on closed large capital projects. The Board will be updated at the May 23, 2019 Board Workshop.

## **Recommendation:**

- a. Finance Committee to receive and file the Q3, March 31, 2019 Report.
- b. Receive a recommendation from the Engineering Committee as to return of Capital Funding from Closed Projects.
- c. Additional Committee comments and recommendations to the Board.

**South Orange County Wastewater Authority**  
**Cash Roll Forward Reconciliation**  
**Fiscal Year End 2016, 2017, 2018 and as of March 31, 2019 (Q3)**

Note		6/30/2016	6/30/2017	6/30/2018	3/31/2018
(1)	<b>Cash on Hand</b>	<b>5,777,486</b>	<b>12,949,694</b>	<b>13,557,237</b>	<b>17,624,105</b>
	Accounts Payable	(2,453,079)	(2,682,688)	(2,314,106)	(1,230,888)
	Accrued Payroll	(129,958)	(102,661)	(127,396)	(9,127)
	Accounts Receivable	316,772	1,069,282	1,660,444	2,072,571
(2)	PTO Reserves	(684,767)	(653,282)	(620,032)	(713,888)
	Due to Mbr Agency	(1,692,399)	(1,358,841)	(3,910,599)	(944,512)
	Due From Mbr Agency	1,316,255	1,069,819	2,433,322	
	Audit Adjustment	311,131			
	Prepaid (Insurance Premiums)	65,614	65,082	204,867	220,987
	Deposits	18,000	19,500		
(3)	<b>Available Cash</b>	<b>2,845,055</b>	<b>10,375,905</b>	<b>10,883,737</b>	<b>17,019,248</b>
(4)	Large Capital Cash (Per Cash Roll Forward)	<b>2,223,007</b>	<b>9,168,439</b>	<b>8,793,369</b>	<b>12,742,097</b>
(5)	Non Capital Engineering Cash Balance		<b>295,062</b>	<b>(81,041)</b>	<b>(156,328)</b>
(6)	Moulton Niguel Non Capital Engineering Accounts Receivable		<b>(21,831)</b>	<b>(22,416)</b>	<b>22,416</b>
(7)	Moulton Niguel Large Capital Accounts Receivable		<b>649,490</b>	<b>1,382,368</b>	<b>1,628,464</b>
(8)	Add Use Audit Settlement FY 17-18			<b>216,467</b>	
(9)	Add Use Audit Settlement FY 16-17	<b>211,626</b>	<b>(49,931)</b>	<b>(49,931)</b>	
(10)	<b>Total Large Capital Cash</b>	<b>2,434,633</b>	<b>10,041,229</b>	<b>10,238,817</b>	<b>14,236,648</b>
(11)	Small Capital Carryover	129,000	(129,000)		
(12)	Cash Collected for PC 2 Zephyr Wall		76,318		
(13)	Other misc., fringe adj, interest adj, etc.		22,331	(4,916)	
(14)	Moulton Niguel Small Capital Unpaid Invoices				<b>379,470</b>
(15)	Small Capital Cash Collected in Excess of Expenditures				<b>652,332</b>
(16)	O&M Cash Collected in Excess of Expenditures				<b>883,305</b>
(17)	<b>Total Cash From Member Agencies</b>	<b>2,563,633</b>	<b>10,010,879</b>	<b>10,233,900</b>	<b>16,151,755</b>
(18)	<b>Difference</b>	<b>281,422</b>	<b>365,027</b>	<b>649,837</b>	<b>867,492</b>
<b>Additional Cash From Other Sources:</b>					
(a)	<b>Prior Year Balance</b>	<b>281,422</b>	<b>365,027</b>	<b>649,837</b>	
(b)	County of Orange Bankruptcy Payment	18,714			
(c)	County of Orange Admin Fees	13,626			
(d)	County of Orange Access Maintenance	3,000			
(e)	City of Laguna Niguel Heat Transfer	31,320			
(f)	SMWD Lab Fees	17,820			
(g)	Coke machine	30			
(h)	FEMA Reimbursement		136,995		
(i)	Interest Income Received FY 16-17	24,587	45,294	114,150	153,169
(j)	Recycling Income	16,710	11,708	2,112	843
(k)	PC 23 Admin Payment		9,135		
(l)	Mutual Omaha Refund		8,034		
(m)	Interest received for 4th qtr 15-16		4,934	25,256	52,418
(n)	LAIF Interest Adj.		3,000		
(o)	Grant Revenue		1,500		
(p)	Other misc. expenses (fringe adj., interest adj.,etc.)				
(q)	Sale of Fixed Assets	20,289		6,297	11,226
(r)	Other misc adjustments	135,326			
	<b>Total Other Cash</b>	<b>281,422</b>	<b>365,027</b>	<b>649,837</b>	<b>867,492</b>

### **Cash Roll Forward Narrative - Q3**

1. Cash on Hand from Bank Statements and reconciled to the General Ledger.
2. Adjustment for Current Assets and Liabilities, Obligations against the Cash, Open accounts payable, Use Audit Due to Member Agencies (PC15 only); and Paid Time Off Reserves. The offset to these items is recorded as an Expense or in Construction-in-Progress if Capital related.

Amounts due to the Authority, Accounts Receivable (largely PC 15 past due capital billings to Moulton Niguel) and Prepaids.

3. Available Cash (Item 1 above less Item 2). The Authority does not carry Cash Reserves, residual cash from O&M and Small Capital is returned to the Member Agencies via the Use Audit, therefore, Cash on Hand should be Large Capital Cash.
4. Large Capital Cash is supported by a subsidiary report detailing by project committee, wastewater code and capital project:
  - a) Beginning Cash Balance from audited financial statements and Cash Roll Forward as of 6/30/2018
  - b) Contributions based on the quarterly capital billings
  - c) Actual expenditures taken from the general ledger
  - d) Use Audit Settlement
  - e) Grant Revenue
  - f) Net Cash balance
5. Non-Capital Engineering Cash Balance is based on the quarterly invoices less actual expenditures. This process began in FY 2016-17.
6. Past Due PC 15 Large Capital Receivables included in the Accounts Receivable adjustment above, therefore, added back.
10. Total Large Capital Cash
14. Moulton Niguel Small Capital Unpaid Invoices as of March 31, 2019
15. Total Small Capital Cash Collected in Excess of Expenditures (broken down by Project and Member Agency on the following pages attached)
16. O&M Cash Collected in Excess of Expenditures
18. Difference is an additional cash from other sources than Member Agencies (broken down by line item in the schedule below).



**South Orange County Wastewater Authority**  
**Total Large Capital Cash Roll Forward as of March 31, 2019 (Q3)**

Large Capital Cash Balance as of 3/31/2019									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 02 J B Latham</b>									
<b>Liquids</b>									
3201-000 - Aeration/Cogeneration Design/Construction (2009)	-	-	-	-	-	-	-	-	-
3202-000 - Preliminary and Primary Treatment Improvements Design (2016)	-	-	80,390	-	-	60,333	45,255	75,418	261,396
3203-000 - Effluent Standby Generator ATS Repl (2016)	-	-	48,510	-	-	36,381	27,286	45,478	157,655
3204-000 - Facility Improvements - Structural Repairs (2015)	-	-	(27,434)	-	-	(20,577)	(15,432)	(25,721)	(89,164)
3211-000 Scum Sump Relining/Reconstruction (2015)	-	-	731	-	-	549	411	686	2,377
3212-000 - East Primary Influent Channel Repair	-	-	6,860	-	-	5,148	3,864	6,435	22,307
3213-000 - Water System Piping Improvements (2014)	-	-	7,046	-	-	5,284	3,962	6,605	22,897
3214-000 - 4 MGD Diversion Flow Meter & Control Structure (2012)	-	-	16,079	-	-	12,063	9,049	15,078	52,269
3250-000 - Plant 1 Grit Basins and Handling (2017)	-	-	33,247	-	-	24,961	18,726	31,202	108,135
3251-000 - Effluent Flow Meter Replacement (2017)	-	-	16,358	-	-	11,119	8,341	13,900	49,718
3252-000 - Plant 1 Standby Power Generator Repl (2017)	-	-	57,666	-	-	43,271	32,455	54,090	187,482
3253-000 - Effluent System Valves Replacement (2107)	-	-	27,244	-	-	21,598	16,200	26,997	92,039
3254-000 - Additional Package B Liquids Design (2017)	-	-	46,669	-	-	35,016	26,262	43,771	151,718
3280-000 - Facility Improvements B - Basin Upgrades (2018)	-	-	21,719	-	-	16,356	12,338	20,469	70,883
3285-000 - Main Plant Drain Line Reconstruction (2018)	-	-	33,660	-	-	25,256	18,943	31,570	109,428
3215-000 - Motor Control Center M Replacement Design (2019)	-	-	10,000	-	-	7,500	5,625	9,375	32,500
3220-000 - Facility Improvements B - Basin Upgrades Construction I (2019)	-	-	-	-	-	-	-	-	-
<b>Total PC 02 Liquids</b>	-	-	<b>378,745</b>	-	-	<b>284,259</b>	<b>213,284</b>	<b>355,352</b>	<b>1,231,640</b>
<b>Common</b>									
3205-000 - West Side Power System Upgrade (2013)	-	-	16,099	-	-	11,825	12,042	12,867	52,833
3206-000 - Diesel Storage Tank (2016)	-	-	-	-	-	-	-	-	-
3207-000 - Foul Air System Evaluation (2016)	-	-	14,553	-	-	10,706	10,942	11,698	47,899
3216-000 - Hoist System for Maintenance Shop (2013)	-	-	7,414	-	-	5,455	5,567	5,960	24,397
3217-000 - Lighting System Improvements (2014)	-	-	6,623	-	-	4,872	4,979	5,324	21,798
3218-000 - Energy Building Roof reconstruction (2014)	-	-	6,655	-	-	4,896	4,999	5,346	21,897
3260-000 - SCADA System Upgrade (2017)	-	-	25,451	-	-	18,754	19,157	20,467	83,829
1113- Facility Safety Review (2015)	-	-	6,077	-	-	4,470	4,569	4,885	20,000
1114- Monitoring and Control Facility Plan (2015)	-	-	13,673	-	-	10,057	10,279	10,990	45,000
3286-000 - PLC Upgrades (2018)	-	-	15,572	-	-	11,467	11,715	12,520	51,274
3221-000 - Electrical System Evaluation (2019)	-	-	9,829	-	-	7,230	7,389	7,900	32,348
<b>Total PC 02 Common</b>	-	-	<b>121,947</b>	-	-	<b>89,731</b>	<b>91,638</b>	<b>97,958</b>	<b>401,273</b>
<b>Solids</b>									
3209-000 - Facility Improvements - Co-Generation Rep. (2016)	-	-	217,756	-	-	156,923	206,003	145,172	725,853
3210-000 - Facility Improvements - Solids Area (2015)	-	-	185,725	-	-	133,844	175,698	123,817	619,084
3272-000 - Dewatering System Controls Upgrade (2017)	-	-	(19,429)	-	-	(34,275)	(18,377)	(12,952)	(85,033)
3287-000 - Facility Improvements B - DAFT and Ancillary Solids Improvements	-	-	14,651	-	-	10,549	13,870	9,768	48,838
3222-000 - Centrate System Design (2019)	-	-	12,750	-	-	9,189	12,061	8,500	42,500
3223-000 - Emulsion Polymer Feeder Replacement (2019)	-	-	43,408	-	-	31,285	41,062	28,939	144,694
3224-000 - Digester No.4 Rehabilitation (2019)	-	-	98,196	-	-	70,772	92,888	65,464	327,320
3225-000 - Facility Improvements B - DAFT and Ancillary Solids Improvement	-	-	(1,355)	-	-	(976)	(1,282)	(903)	(4,516)
<b>Total PC 02 Solids</b>	-	-	<b>551,702</b>	-	-	<b>377,310</b>	<b>521,924</b>	<b>367,804</b>	<b>1,818,741</b>
<b>Total PC 02 JB Latham</b>	-	-	<b>1,052,394</b>	-	-	<b>751,301</b>	<b>826,846</b>	<b>821,114</b>	<b>3,451,654</b>

**South Orange County Wastewater Authority**  
**Total Large Capital Cash Roll Forward as of March 31, 2019 (Q3)**

Large Capital Cash Balance as of 3/31/2019									
16	17	18	19	20	21	22	23	24	
CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 3A Plant</b>									
3301-000 Surface Drainage Improvements (2014)	-	-	-	-	-	(15,027)	(5,879)	-	(20,906)
3302-000 Primary Sedimentation Upgrade (2011)	-	-	-	-	-	(37,738)	(14,763)	-	(52,501)
3303-000 Channel & Basin Lining Repair (2013)	-	-	-	-	-	72,886	28,514	-	101,400
3304-000 Aeration System Upgrade (2015)	-	-	-	-	-	(515,623)	(201,716)	-	(717,339)
3305-000 Electrical/Structural Repairs (2003)	-	-	-	-	-	548,516	214,584	-	763,100
3306-000 Settlement Repair - West Side (2013)	-	-	-	-	-	8,804	3,444	-	12,248
<b>Total PC 3A Plant</b>	-	-	-	-	-	<b>61,819</b>	<b>24,184</b>	-	<b>86,003</b>
<b>PC 05 San Juan Creek Ocean Outfall</b>									
3601-000 Junction Structure Reinforcement Phase II (2016)	(3,137)	32,779	23,247	-	-	(2,927)	32,541	84,624	190,938
3602-000 Emergency Plan Development (2016)	(510)	3,815	2,770	-	-	(476)	3,878	9,720	21,932
3603-000 Dilution Study (2016)	-	12,465	8,310	-	-	-	11,633	33,240	75,000
3604-000 - Metering Vault - Piping Upgrades (2016)	-	757	507	-	-	-	706	2,503	5,041
3650-000 - Junction Structure Reinforcement Construction (2017)	-	4,294	2,863	-	-	-	4,007	10,962	25,346
3605-000 - Junction Structure Reinforcement Permitting and Final Design	-	16,327	10,885	-	-	-	15,237	43,539	98,237
<b>Total PC5 San Juan Creek Ocean Outfall</b>	<b>(3,647)</b>	<b>70,437</b>	<b>48,582</b>	-	-	<b>(3,403)</b>	<b>68,000</b>	<b>184,588</b>	<b>416,494</b>
<b>PC 15 Coastal Treatment Plant</b>									
<b>Liquids</b>									
3501-000 - Fire Protection (2013)	2,322	-	-	-	181	-	1,009	-	5,341
3502-000 RAS Hypochlorite System (2013)	46,406	-	-	-	3,657	-	5,133	-	91,737
3503-000 - Scrubber Upgrade (2013)	171,452	-	-	-	13,518	-	23,400	-	343,371
3504-000 - Aeration System Modification Design (2015)	44,429	-	-	-	3,504	-	(2,012)	-	80,903
3505-000 Headworks Overflow Pipe Modification (2015)	32,956	-	-	-	2,598	-	2,070	-	63,574
3506-000 Structural Mods-Grating Sys & Curb Area E of Maint Shop (2015)	9,988	-	-	-	785	-	6,286	-	24,923
3507-000 - East Primary Influent Gates (2015)	18,745	-	-	-	1,478	-	(16,621)	-	18,363
3508-000 - Grit System Knife Gate Valve Replacement (2015)	7,526	-	-	-	600	-	(19,573)	-	(5,521)
3509-000 - Switchgear Replacement Design (2016)	55,901	-	-	-	4,406	-	507	-	104,829
3510-000 - East Primary/Aeration Grating Rebate and Concrete Repair (20)	26,208	-	-	-	2,073	-	(41,949)	-	6,967
3511-000 Influent/Overflow Condition Assessment (2016)	(109)	-	-	-	(9)	-	(84)	-	(289)
3512-000 - Basins Between HW Bldg and Primary Basin Grating Rebate and	29,545	-	-	-	2,334	-	(35,467)	-	19,676
3513-000 Grit System Condition Assessment (2016)	(5,204)	-	-	-	(410)	-	(4,016)	-	(13,727)
3514-000 - CTP Facility Upgrade Design and Financing (2016)	154,234	-	-	-	12,168	-	(30,944)	-	256,899
3515-000 - Existing Export Sludge Wetwell Refurbishment (2015)	79,704	-	-	-	6,280	-	17,309	-	166,051
3530-000 Also Sulfur Creek Confluence (2014)	(6,991)	-	-	-	(550)	-	(5,395)	-	(18,441)
3531-000 Lighting System Improvements (2014)	(26,343)	-	-	-	(2,074)	-	(20,328)	-	(69,489)
3532-000 - Fire Protection (2013)	828	-	-	-	66	-	-	-	1,546
3533-000 - Export Sludge Line Repair & Rip Rap (R-2) (2012)	18,448	-	-	-	1,454	-	6,922	-	41,350
3534-000 - Export Sludge System (1997)	291,823	-	-	-	22,984	-	48,304	-	592,892
3535-000 Structural Modifications (2014)	744	-	-	-	58	-	574	-	1,963
3540-000 East Primary Sedimentation Scum Skimmers (2013)	(9,433)	-	-	-	(743)	-	(7,279)	-	(24,882)
3550-000 - Export Sludge Pump Addition (2017)	(28,106)	-	-	-	(2,204)	-	(80,886)	-	(133,328)
3551-000 - Add for CTP Facility Upgrade Design (2017)	55,357	-	-	-	4,365	-	(190)	-	103,120
3552-000 SCADA System Improvements (2017)	46,760	-	-	-	3,689	-	(8,509)	-	78,758
3553-000 - Plant Drainage Improvements (2017)	69,580	-	-	-	5,485	-	(8,523)	-	121,329
3554-000 - Odor Scrubber Bleach Tank Replacement (2017)	11,971	-	-	-	943	-	(13,070)	-	9,267
3592-000 - Facility Improvements Project Design (2018)	96,298	-	-	-	7,655	-	(352,399)	-	(172,628)
3593-000 - Primary Sludge Valve Replacement (2018)	33,027	-	-	-	2,604	-	-	-	61,635
3594-000 - PLC Replacement (2018)	31,464	-	-	-	2,480	-	-	-	58,720
3595-000 - Primary Device Electrical Conduit and Conductor Replacement	38,288	-	-	-	3,020	-	-	-	71,456
79-CWest Primary Sedimentation Upgrade (2010)	19,013	-	-	-	1,497	-	14,672	-	50,153
88-CMCC-1 Replacement (2004)	948	-	-	-	75	-	731	-	2,500
1317-Facility Safety Review (2015)	7,582	-	-	-	597	-	5,851	-	20,000
1318-Monitoring and Control Facility Plan (2015)	15,164	-	-	-	1,194	-	11,701	-	40,000
1355-Channel Rebate Replacement (2013)	(41,701)	-	-	-	(3,284)	-	(32,179)	-	(110,000)
3525-000 - Personnel Building reconstruction (2019)	9,478	-	-	-	746	-	-	-	17,687
3526-000 - Facility Improvements Project Construction - Part I (2019)	-	-	-	-	-	-	-	-	-
3527-000 - Vehicle Storage Building Roof (2019)	32,224	-	-	-	2,537	-	-	-	60,134
3528-000 - AWWMA Road Sites West 1 and West 2 Embankment Protection	52,369	-	-	-	4,124	-	(179)	-	97,548
3529-000 - Also Creek Long Term Repair Planning	23,587	-	-	-	1,857	-	(448)	-	43,568
<b>Total PC 15 Liquids</b>	<b>1,416,481</b>	-	-	-	<b>111,739</b>	-	<b>(535,581)</b>	-	<b>1,115,315</b>
<b>AWT</b>									
3516-000 - Disinfection System Upgrade AWT (2011)	-	-	-	-	-	-	-	(154,316)	(154,316)
3517-000 - AWT Backwash Pump Replacement (2016)	-	-	-	-	-	-	-	(97,541)	(97,541)
3518-000 - Chlorine Mixer Replacement (15AWT) (2015)	-	-	-	-	-	-	-	21,636	21,636
3519-000 - Hypochlorite Tank (AWT) (2013)	-	-	-	-	-	-	-	72,656	72,656
3532-000 - Fire Protection	-	-	-	-	-	-	-	(31,230)	(31,230)
3562-000 - Applied Water Pump System Replacement (AWT) (2017)	-	-	-	-	-	-	-	140,870	140,870
3596-000 - Applied Water VFD Pump Panel and Electrical (AWT) (2018)	-	-	-	-	-	-	-	113,720	113,720
3597-000 - MCC A Replacement Design (15) (2018)	-	-	-	-	-	-	-	56,218	56,218
3536-000 - Chlorine Contact Basin Mixer Design (AWT) (2018)	-	-	-	-	-	-	-	74,489	74,489
3537-000 - MCC A Replacement Construction (AWT) (2019)	-	-	-	-	-	-	-	(24,945)	(24,945)
3538-000 - AWT Filter Valve Upgrade Construction (AWT) (2019)	-	-	-	-	-	-	-	(92,940)	(92,940)
<b>Total PC 15 AWT</b>	-	-	-	-	-	-	-	<b>78,617</b>	<b>78,617</b>
<b>Total PC 15 Coastal Treatment Plant</b>	<b>1,416,481</b>	-	-	-	<b>111,739</b>	-	<b>(535,581)</b>	-	<b>2,186,571</b>

**South Orange County Wastewater Authority**  
**Total Large Capital Cash Roll Forward as of March 31, 2019 (Q3)**

Large Capital Cash Balance as of 3/31/2019										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
<b>PC 17 Joint Regional Wastewater Reclamation</b>										
<b>Liquids</b>										
3701-000 - Secondary Electrical System Rerouting (2014)	-	-	-	-	-	-	305,479	-	-	305,479
3702-000 - Waste Activated Sludge VFD Control Panel (2013)	-	-	-	-	-	-	236,909	-	-	236,909
3703-000 - Influent Line Manhole Reconstruction (2013)	-	-	-	-	-	-	(271,318)	-	-	(271,318)
3704-000 - Odor Control Scrubber Control Panel No. 1 (2013)	-	-	-	-	-	-	20,089	-	-	20,089
3705-000 - Disinfection System Upgrade - Construction (2006)	-	-	-	-	-	-	175,721	-	-	175,721
3706-000 - Secondary Clarifier Retrofit (2) (2013)	-	-	-	-	-	-	334,465	-	-	334,465
3707-000 - Influent Manholes 1 and 2 and Sewer Rehabilitation (2016)	-	-	-	-	-	-	-	-	-	-
3708-000 - Influent Junction Structure Gate Replacement (2016)	-	-	-	-	-	-	-	-	-	-
3709-000 - Influent Junction Structure & Pipe Condition Assessment (2016)	-	-	-	-	-	-	(4,569)	-	-	(4,569)
3710-000 - AWT No. Water Quality Instrumentation Replacement (2016)	-	-	-	-	-	-	-	-	-	-
3711-000 - Primary Influent Channel Condition Assessment (2016)	-	-	-	-	-	-	(11,163)	-	-	(11,163)
3712-000 - Grit Basin Drop Gate and Weir Replacement (2016)	-	-	-	-	-	-	-	-	-	-
3713-000 - Primary Inlet Drop Gate Replacement (2016)	-	-	-	-	-	-	-	-	-	-
3728-000 Secondary Clarifier Retrofit 2	-	-	-	-	-	-	(69,047)	-	-	(69,047)
3729-000 Secondary Clarifier Retrofit	-	-	-	-	-	-	122,539	-	-	122,539
3730-000 - Primary Gallery Upgrade (2014)	-	-	-	-	-	-	112,914	-	-	112,914
3731-000 Primary Clarifier Aluminum Beam Replacement (2013)	-	-	-	-	-	-	174,502	-	-	174,502
3732-000 Standby Hypochlorite Feed System (AWT) (2009)	-	-	-	-	-	-	2,663	-	-	2,663
3733-000 AWT Backwash Pipe Relocation (2014)	-	-	-	-	-	-	15,643	-	-	15,643
3734-000 Secondary Clarifier Retrofit (2012)	-	-	-	-	-	-	(400,302)	-	-	(400,302)
3752-000 - AWT No.2 Upgrade Design (2017)013	-	-	-	-	-	-	19,335	-	-	19,335
3781-000 - Primary Scum Skimmer Replacement (2018)	-	-	-	-	-	-	19,475	-	-	19,475
3784-000 - Replace DAF (Mannich) Polymer System (2018)	-	-	-	-	-	-	526,532	-	-	526,532
3785-000 - Replace DAF Dissolution Tank System and Compressors (2018)	-	-	-	-	-	-	275,852	-	-	275,852
3786-000 - Primary Gallery Mechanical and Electrical Upgrade (2018)	-	-	-	-	-	-	697,241	-	-	697,241
3787-000 - Aeration Area Upgrade Design (2018)	-	-	-	-	-	-	134,142	-	-	134,142
1410Aeration System Analysis (2015)	-	-	-	-	-	-	25,000	-	-	25,000
3741-000 - Southwest Influent Sewer and MH Repair design (2019)	-	-	-	-	-	-	30,000	-	-	30,000
3742-000 - Aeration System Upgrade (2019)	-	-	-	-	-	-	(2,043)	-	-	(2,043)
3743-000 - Aeration Gate Replacement (2019)	-	-	-	-	-	-	-	-	-	-
<b>Total PC 17 Liquids</b>	-	-	-	-	-	-	<b>2,470,061</b>	-	-	<b>2,470,061</b>
<b>Common</b>										
3714-000 Odor Analysis (2014)	2,793	-	-	5,084	149	-	39,535	-	2,231	49,793
3715-000 - Switchgear Upgrade (2006)	(139,290)	-	-	(245,833)	(7,414)	-	(1,900,734)	-	(111,259)	(2,404,529)
3716-000 Secondary Access Road Design (2015)	3,298	-	-	6,001	176	-	46,671	-	2,633	58,780
3717-000 - Security Fencing (2015)	-	-	-	-	-	-	-	-	-	-
3718-000 - Access Bridge Upgrades (2015)	-	-	-	-	-	-	-	-	-	-
3725-000 Disinfection Building Roof Repair (2014)	(6,734)	-	-	(12,257)	(360)	-	(95,315)	-	(5,378)	(120,044)
3740-000 Electrical Manhole Reconstruction (2013)	516	-	-	939	28	-	7,304	-	412	9,199
3760-000 - Develop Buried Piping Reconstruction Master Plan (2017)	493	-	-	2,151	32	-	18,531	-	389	21,596
3761-000 - External Lighting Upgrade	16,873	-	-	29,072	895	-	223,716	-	13,482	284,037
3762-000 - Emergency Access Road CEQA and Permits (2017)	5,774	-	-	10,509	309	-	81,723	-	4,609	102,924
3763-000 - Reroute Drains on Plant Perimeter (2017)	1,687	-	-	3,073	90	-	23,898	-	1,349	30,096
3764-000 - SCADA Improvements (2017)	2,102	-	-	5,012	117	-	40,671	-	1,674	49,575
3765-000 - Additional Budget Switchgear Upgrade (2017)	34,266	-	-	62,365	1,833	-	484,987	-	27,364	610,815
3788-000 - PLC Upgrade	4,265	-	-	7,837	227	-	61,035	-	3,408	76,772
3789-000 - Switchgear Upgrade Project Completion (2018)	10,202	-	-	18,567	546	-	144,390	-	8,147	181,852
1411-Facility Safety Review (2015)	1,122	-	-	2,042	60	-	15,880	-	896	20,000
1412-Monitoring and Control Facility Plan (2015)	2,525	-	-	4,595	135	-	35,730	-	2,016	45,000
1453-Lighting Upgrade (2014)	2,805	-	-	5,105	150	-	39,700	-	2,240	50,000
3744-000 - Admin Building Repair design (2019)	3,957	-	-	6,475	208	-	49,304	-	3,162	63,106
3745-000 - West Slope Protection Evaluation (2019)	4,321	-	-	7,070	227	-	53,837	-	3,453	68,908
3746-000 - Motor Control Center A, G, H Design (2019)	9,043	-	-	14,797	476	-	112,677	-	7,227	144,219
3747-000 - Southside Plant Manhole Reconstruction (2019)	3,135	-	-	5,130	165	-	39,065	-	2,505	50,000
3748-000 - SE electrical Manhole reconstruction (2019)	8,935	-	-	14,621	470	-	111,334	-	7,140	142,500
<b>Total PC 17 Common</b>	<b>(27,915)</b>	-	-	<b>(47,645.95)</b>	<b>(1,479.48)</b>	-	<b>(366,061)</b>	-	<b>(22,301)</b>	<b>(465,402)</b>

**South Orange County Wastewater Authority  
Total Large Capital Cash Roll Forward as of March 31, 2019 (Q3)**

Large Capital Cash Balance as of 3/31/2019										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
Solids										
3719-000 Digester Dome Recoating (2014)	11,513	-	-	20,942	605	-	60,354	-	9,194	102,608
3720-000 - Digester Dome Recoating (2011)	1,292	-	-	2,351	68	-	38,115	-	1,032	42,858
3721-000 Underground Piping Upgrade (2006)	13,340	-	-	24,267	701	-	69,936	-	10,653	118,898
3722-000 - Co-gen Sys Retrofit (formerly Siloxane) (2015)	254,841	-	-	463,578	13,398	-	1,335,985	-	203,513	2,271,314
3723-000 - Recoat Top of Digesters (2016)	-	-	-	-	-	-	-	-	-	-
3724-000 Energy Building Structural and HVAC Modifications (2015)	(963)	-	-	(1,752)	(51)	-	(5,048)	-	(769)	(8,583)
3726-000 Co-Generation System Retrofit Design	(374)	-	-	(681)	(20)	-	(1,961)	-	(299)	(3,335)
3735-000 Odor Control Scrubber Control Panel No. 2 (2013)	1,122	-	-	2,041	59	-	5,882	-	896	10,000
3736-000 Co-Generation System Retrofit Design (2011)	1,471	-	-	2,676	77	-	7,712	-	1,175	13,110
3770-000 - Additional Budget CoGen Upgrade (2017)	35,466	-	-	64,513	1,864	-	154,582	-	28,320	284,745
3790-000 - Solids Area Upgrade Design (2018)	4,239	-	-	7,711	223	-	22,224	-	3,385	37,782
3791-000 - Cogeneration Area Upgrade Project Completion (2018)	22,327	-	-	40,616	1,175	-	117,051	-	17,830	198,999
3749-000 - Phase I Solids Piping Upgrade (2019)	51,953	-	-	94,506	2,732	-	272,358	-	41,488	463,036
3750-000 - Dewatering room Floor Sealing and Lighting (2019)	12,903	-	-	23,472	679	-	67,643	-	10,304	115,000
3751-000 - Energy Building Roof and Breezeway (2019)	40,265	-	-	73,245	2,117	-	211,086	-	32,154	358,867
3754-000 - SET Piping Reconstruction (2019)	4,249	-	-	7,730	223	-	22,277	-	3,394	37,874
Total PC 17 Solids	453,644	-	-	825,215	23,852	-	2,378,193	-	362,270	4,043,174
Total PC 17 Joint Regional Wastewater Reclamation	425,729			777,569	22,372		4,482,193		339,969	6,047,833
PC 21 Effluent Transmission Main										
3101-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	65,417	-	65,415	-	-	-	130,832
3102-000 - EMT Condition Assessment Methodology (B/C) (2016)	-	-	-	11,819	-	11,819	-	-	-	23,639
3181-000 - Air Vacuum Valve Replacement Reach D (2018)	-	-	-	26,850	-	26,850	-	-	-	53,700
3182-000 - Air Vacuum Valve Replacement Reach E (2018)	-	-	-	19,350	-	19,350	-	-	-	38,700
3103-000 - Trail Bridge Crossing Protection - Phase I (D) (2016)	-	-	-	43,500	-	43,500	-	-	-	87,000
3104-000 - Aliso Creek Long term Repair Planning (E) (2019)	-	-	-	30,564	-	30,564	-	-	-	61,128
Total PC 21 Effluent Transmission Main	-	-	-	197,500	-	197,498	-	-	-	394,999
PC 24 Aliso Creek Ocean Outfall										
3401-000 - Emergency Plan Development (2016)	2,679	-	-	3,969	190	3,838	10,678	-	2,998	24,351
3480-000 - Internal Seal Replacement (2018)	14,761	-	-	21,873	1,047	21,149	58,844	-	16,519	134,193
Total PC 24 Aliso Creek Ocean Outfall	17,440	-	-	25,843	1,237	24,987	69,521	-	19,517	158,544
Total Large Capital Cash	1,856,004	70,437	1,100,976	1,000,912	135,348	219,082	4,897,253	1,035,618	2,426,468	12,742,097

**South Orange County Wastewater Authority**  
**Total Non-Capital Cash Roll Forward as of March 31, 2019 (Q3)**

Non-Capital Cash Balance 3/31/2019										
	16	17	18	19	20	21	22	23	24	
	CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
Total Liquids	-	-	(4,842)	-	-	-	(3,634)	(2,723)	(4,538)	(15,737)
Total Common	-	-	(2,796)	-	-	-	(2,021)	(2,073)	(2,232)	(9,121)
Total Solids	-	-	28,108	-	-	-	20,253	26,590	18,740	93,691
Total PC 02 J B Latham	-	-	20,470	-	-	-	14,599	21,794	11,970	68,833
PC 05 San Juan Creek Ocean Outfall										
Total PC 05 SJCOO	-	14,500	9,667	-	-	-	13,532	38,663	10,878	87,240
PC 15 Coastal Treatment Plant										
Total Liquids	(103,529)	-	-	-	(8,150)	-	(102,290)	-	(81,520)	(295,488)
Total AWT	-	-	-	-	-	-	-	-	66,559	66,559
Total PC 15 Coastal Treatment Plant	(103,529)	-	-	-	(8,150)	-	(102,290)	-	(14,960)	(228,929)
PC 17 Joint Regional Wastewater Reclamation										
Total Liquids	-	-	-	-	-	-	71,682	-	-	71,682
Total Solids	(633)	-	-	(1,151)	(34)	-	(3,317)	-	(505)	(5,640)
Total Common	(7,215)	-	-	(11,805)	(380)	-	(89,894)	-	(5,766)	(115,059)
Total PC 17 Joint Regional Wastewater Reclamation	(7,847)	-	-	(12,956)	(414)	-	(21,530)	-	(6,270)	(49,018)
PC 21 Effluent Transmission Main										
Total PC 21 ETM	-	-	-	(29,956)	-	(29,958)	-	-	-	(59,915)
PC 24 Aliso Creek Ocean Outfall										
Total PC 24 ACOO	2,741	-	-	4,334	194	4,199	10,926	-	3,065	25,460
Total Non-Capital Cash	(108,635)	14,500	30,137	(38,578)	(8,370)	(25,759)	(84,763)	60,457	4,683	(156,328)

**South Orange County Wastewater Authority**  
**Total Small Capital Cash Roll Forward as of March 31, 2019 (Q3)**

		Small Capital Cash Balance as of 03/31/19									
		16	17	18	19	20	21	22	23	24	
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham											
Liquids											
2244-000	2 ISCO Samplers (between 3 PC's)	-	-	(6,686)	-	-	-	(5,015)	(3,761)	(6,268)	(21,731)
2245-000	Laboratory Equipment Replacement (between 3 PC's)	-	-	(10,921)	-	-	-	(8,191)	(6,143)	(10,239)	(35,495)
2246-000	Primary Motor Operated Valves	-	-	3,462	-	-	-	2,596	1,947	3,245	11,250
2247-000	Return Activated Sludge Pump Rebuild	-	-	(4,843)	-	-	-	(3,632)	(2,724)	(4,540)	(15,739)
2248-000	9-Side headworks exhaust fan	-	-	2,308	-	-	-	1,731	1,298	2,163	7,500
2249-000	Effluent Pump station gas line	-	-	(1,034)	-	-	-	(776)	(582)	(970)	(3,362)
2219-015	New Scum Pump and Controls	-	-	10,962	-	-	-	8,221	6,166	10,276	35,625
2219-016	Raw Sewage Pump Check Valve	-	-	2,308	-	-	-	1,731	1,298	2,163	7,500
2219-017	4 side blower room skylights	-	-	2,308	-	-	-	1,731	1,298	2,163	7,500
2219-018	Scrubber Fan (4-side)	-	-	7,385	-	-	-	5,538	4,154	6,923	24,000
2219-019	RSP Rebuild	-	-	5,769	-	-	-	4,327	3,245	5,409	18,750
2219-020	Stock pri & sec flights and chain	-	-	2,308	-	-	-	1,731	1,298	2,163	7,500
2219-021	Spare Vulcan or Grit Sperator	-	-	8,538	-	-	-	6,404	4,803	8,005	27,750
2219-046	Repair Emergency Manual Bypass Barscreen	-	-	(5,277)	-	-	-	(3,958)	(2,968)	(4,947)	(17,150)
Total PC 02 Liquids		-	-	16,584	-	-	-	12,438	9,329	15,548	53,899
Common											
2219-022	Safety Equipment	-	-	6,837	-	-	-	5,029	5,140	5,495	22,500
2219-023	Paint Oil Storage Building	-	-	1,709	-	-	-	1,257	1,285	1,374	5,625
2219-024	Pressure Washer/Steam Cleaner	-	-	1,253	-	-	-	922	942	1,007	4,125
2219-025	F-250 delivery vehicle (3 Plant Split)	-	-	(694)	-	-	-	(511)	(522)	(558)	(2,285)
2219-026	4" Trash Pump	-	-	338	-	-	-	248	254	271	1,111
2219-027	New Gate Drives for Plant Entrance	-	-	4,558	-	-	-	3,352	3,426	3,663	15,000
2219-028	Fixed gas Detector Equipment	-	-	4,558	-	-	-	3,352	3,426	3,663	15,000
2219-040	Surveillance Camera System Upgrades	-	-	8,432	-	-	-	6,202	6,339	6,777	27,750
2219-041	JBL Wireless Project	-	-	25,067	-	-	-	18,438	18,846	20,149	82,500
2219-042	Tig Welder	-	-	(3,237)	-	-	-	(2,381)	(2,434)	(2,602)	(10,655)
Total PC 02 Common		-	-	48,819	-	-	-	35,909	36,702	39,241	160,671
Solids											
2219-029	Air Compressor for DAFT	-	-	1,688	-	-	-	1,216	1,596	1,125	5,625
2219-030	Polymer Mixer Replacement	-	-	3,375	-	-	-	2,432	3,193	2,250	11,250
2219-031	Digester mix Pump Valves	-	-	13,500	-	-	-	9,730	12,770	9,000	45,000
2219-032	Spare RAS Bleach Pump	-	-	430	-	-	-	310	407	287	1,433
2219-033	Spare Recirc Pump	-	-	2,363	-	-	-	1,703	2,235	1,575	7,875
2219-034	Ferric Pump	-	-	708	-	-	-	510	670	472	2,359
2219-035	Spare Cogen Parts	-	-	(5,858)	-	-	-	(4,222)	(5,541)	(3,905)	(19,526)
2219-036	Valves	-	-	3,375	-	-	-	2,432	3,193	2,250	11,250
2219-037	Centrifuge Support Equipment	-	-	3,648	-	-	-	2,629	3,451	2,432	12,161
2219-038	Seepex split case pumps	-	-	3,675	-	-	-	2,649	3,477	2,450	12,251
2219-039	Centrifuge Rebuild	-	-	8,632	-	-	-	6,222	8,166	5,755	28,775
2219-043	Gas Blower	-	-	(2,868)	-	-	-	(2,067)	(2,713)	(1,912)	(9,558)
2219-047	Digester Gas Meters	-	-	(4,590)	-	-	-	(3,308)	(4,342)	(3,060)	(15,301)
2291-000	Centrifuge Support Equipment	-	-	(4,202)	-	-	-	(3,028)	(3,975)	(2,801)	(14,005)
Total PC 02 Solids		-	-	23,876	-	-	-	17,208	22,586	15,918	79,588
Total PC 02 JB Latham											
		-	-	89,280	-	-	-	65,555	68,617	70,706	294,158
PC 15 Coastal Treatment Plant											
Liquids											
2503-000	2 ISCO Samplers (between 3 PC's)	1,422	-	-	-	112	-	-	-	1,119	2,653
2515-000	Laboratory Equipment Replacement (between 3 PC's)	711	-	-	-	56	-	-	-	560	1,326
2516-000	Replacement Scrubber Water Softener	2,843	-	-	-	224	-	-	-	2,239	5,306
2517-000	Process Water Pump	2,843	-	-	-	224	-	-	-	2,239	5,306
2518-000	Secondary chain and flights	5	-	-	-	0	-	(3,287)	-	4	(3,278)
2519-000	Secondary Drive	2,417	-	-	-	190	-	-	-	1,903	4,510
2568-000	Valves	5,688	-	-	-	448	-	-	-	4,478	10,613
2569-000	Primary Skimmer	1,990	-	-	-	157	-	-	-	1,567	3,714
2570-000	Spare Export Sludge Mixer Gearbox	2,559	-	-	-	201	-	-	-	2,015	4,775
2571-000	Valves	7,108	-	-	-	560	-	-	-	5,597	13,265
2572-000	Aeration Panel Replacement	(1,211)	-	-	-	(95)	-	(5,322)	-	(953)	(7,582)
2573-000	Headwork Ventilation Fans	17,061	-	-	-	1,344	-	-	-	13,434	31,839
2574-000	Pump Rebuilds	(10,817)	-	-	-	(852)	-	(14,929)	-	(8,517)	(35,115)
2519-002	Grit Gate Installment	(3,147)	-	-	-	(248)	-	(2,429)	-	(2,478)	(8,302)
Total PC 15 Liquids		29,471	-	-	-	2,321	-	(25,967)	-	23,205	29,031

**South Orange County Wastewater Authority**  
**Total Small Capital Cash Roll Forward as of March 31, 2019 (Q3)**

		Small Capital Cash Balance as of 03/31/19								
		16	17	18	19	20	21	22	23	24
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD
		Total								
<b>Common</b>										
2555-000	CTP Wireless Project	(22,149)	-	-	-	(1,744)	-	(17,091)	-	(17,440)
2561-000	SCADA Communications Cabling, Conduit and Rewire	(5,297)	-	-	-	(417)	-	(4,087)	-	(4,171)
2575-000	Administration Building Flooring	5,688	-	-	-	448	-	-	-	4,478
2576-000	F-250 delivery vehicle (3 Plant Split)	(866)	-	-	-	(68)	-	(2,863)	-	(682)
2577-000	Concrete West of headworks - Driveway	14,216	-	-	-	1,119	-	-	-	11,194
2578-000	Locker Room Remodel and New Sewer	11,089	-	-	-	873	-	-	-	8,731
2579-000	Replacement 4X4 Vehicle	(3,580)	-	-	-	(282)	-	(9,345)	-	(2,819)
2580-000	Safety Equipment	8,531	-	-	-	672	-	-	-	6,716
2581-000	Fixed gas Detector Equipment	5,687	-	-	-	448	-	-	-	4,478
2586-000	Surveillance Camera System Upgrades	21,325	-	-	-	1,679	-	-	-	16,791
2587-000	Network Switches (Technology Steering Project, SCADA)	21,325	-	-	-	1,679	-	-	-	16,791
	<b>Total PC 15 Common</b>	<b>55,968</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,407</b>	<b>-</b>	<b>(33,386)</b>	<b>-</b>	<b>44,067</b>
<b>AWT</b>										
2519-001	AWT Bleach Pump	-	-	-	-	-	-	-	-	(10,878)
2582-000	Spare Turbidity Meter	-	-	-	-	-	-	-	-	7,500
2583-000	Spare Chlorine Analyzer Equipment	-	-	-	-	-	-	-	-	15,000
2584-000	AWT Bleach Pump Pad Cover	-	-	-	-	-	-	-	-	7,500
2585-000	Mixer Shaft and Blade	-	-	-	-	-	-	-	-	11,250
	<b>Total PC 15 AWT</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30,372</b>
	<b>Total PC 15 Coastal Treatment Plant</b>	<b>85,439</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,728</b>	<b>-</b>	<b>(59,353)</b>	<b>-</b>	<b>97,644</b>
	<b>PC 17 Joint Regional Wastewater Reclamation</b>									
<b>Liquids</b>										
2712-000	2 ISCO Samplers (between 3 PC's)	-	-	-	-	-	-	3,750	-	-
2713-000	Laboratory Equipment Replacement (between 3 PC's)	-	-	-	-	-	-	1,875	-	-
2714-000	Interstage #2 Pump and Motor Rebuild	-	-	-	-	-	-	(19,609)	-	-
2760-000	RAS #2 Pump and Motor Rebuild	-	-	-	-	-	-	(1,806)	-	-
2761-000	RAS #24 Pump and Motor Rebuild	-	-	-	-	-	-	8,250	-	-
2762-000	RAS #4 Pump and Motor Rebuild	-	-	-	-	-	-	12,000	-	-
2763-000	RAS #6 Pump and Motor Rebuild	-	-	-	-	-	-	12,000	-	-
2764-000	RAS #66 Pump and Motor Rebuild	-	-	-	-	-	-	12,000	-	-
2765-000	Spare Recirc Pump	-	-	-	-	-	-	(5,950)	-	-
2766-000	Check Valves	-	-	-	-	-	-	10,875	-	-
2767-000	Aeration Panels	-	-	-	-	-	-	(18,895)	-	-
2768-000	Ferric pumps	-	-	-	-	-	-	(2,082)	-	-
	<b>Total PC 17 Liquids</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,408</b>	<b>-</b>	<b>-</b>
<b>Common</b>										
2769-000	F-250 delivery vehicle (3 Plant Split)	(143)	-	-	(234)	(8)	-	(1,785)	-	(115)
2770-000	Safety Equipment	1,411	-	-	2,309	74	-	17,579	-	1,127
2771-000	Fixed gas Detector Equipment	941	-	-	1,539	50	-	11,719	-	752
2772-000	Utility vehicle	(51)	-	-	(84)	(3)	-	(638)	-	(41)
2773-000	Slurry Seal asphalt	1,411	-	-	2,309	74	-	17,579	-	1,127
2782-000	Surveillance Camera System Upgrades	3,527	-	-	5,771	186	-	43,948	-	2,819
2783-000	Network Switches (Technology Steering Project, SCADA)	3,101	-	-	5,075	163	-	38,644	-	2,478
	<b>Total PC 17 Common</b>	<b>10,196</b>	<b>-</b>	<b>-</b>	<b>16,684</b>	<b>537</b>	<b>-</b>	<b>127,046</b>	<b>-</b>	<b>8,148</b>
<b>Solids</b>										
2774-000	Centrifuge Incline Conveyor #2 Rehab	(1,156)	-	-	(2,103)	(61)	-	(6,059)	-	(923)
2775-000	Check Valves	1,094	-	-	1,990	58	-	5,735	-	874
2776-000	Spare Recirc Pump	(668)	-	-	(1,214)	(35)	-	(3,500)	-	(533)
2777-000	Centrifuge Room Lighting	2,525	-	-	4,592	133	-	13,235	-	2,016
2778-000	Cogen Door Project	1,262	-	-	2,296	66	-	6,617	-	1,008
2779-000	Centrifuge Rebuild	(1,596)	-	-	(2,902)	(84)	-	(8,365)	-	(1,274)
2780-000	Spare Cogen Parts	2,768	-	-	5,035	146	-	14,511	-	2,210
	<b>Total PC 17 Solids</b>	<b>4,230</b>	<b>-</b>	<b>-</b>	<b>7,694</b>	<b>222</b>	<b>-</b>	<b>22,174</b>	<b>-</b>	<b>3,378</b>
<b>AWT</b>										
2781-000	Spare AWT Bleach Pump	-	-	-	-	-	-	15,000	-	-
	<b>Total PC 17 AWT</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15,000</b>	<b>-</b>	<b>-</b>
	<b>Total PC 17 Joint Regional Wastewater Reclamation</b>	<b>14,425</b>	<b>-</b>	<b>-</b>	<b>24,378</b>	<b>759</b>	<b>-</b>	<b>176,627</b>	<b>-</b>	<b>11,526</b>
	<b>Total Small Capital Cash</b>	<b>99,865</b>	<b>-</b>	<b>89,280</b>	<b>24,378</b>	<b>7,487</b>	<b>-</b>	<b>182,829</b>	<b>68,617</b>	<b>179,876</b>

**South Orange County Wastewater Authority**  
**Large Capital Refund of Inactive Projects Cash as of March 31, 2019**  
**(See Table A)**

Project Committee	Member Agency										Total
	Laguna Beach 16	San Clemente 17	Capistrano 18	El Toro 19	EBSD 20	IRWD 21	MNWD 22	SMWD 23	SCWD 24	TCWD 25	
PC 2 - Jay B. Latham Plant			305,540				201,817	248,180	230,396		985,934
PC 3							61,819	24,184			86,003
PC 5 - San Juan Creek Ocean Outfall		4,402	2,937				4,108	12,223	3,303		26,973
PC 8 - Pretreatment Program											-
PC 12 SO- Water Reclamation Permits											-
PC 15 - Coastal Treatment Plant/AWT	442,768				34,931		(176,665)		159,832		460,865
* PC 17 - Joint Regional Wastewater Reclamation	13,713			26,211	738		309,864		10,944		361,470
PC 21 Effluent Transmission Main				58,019		58,019					116,039
PC 23 North Coast Interceptor											-
PC 24 - Aliso Creek Ocean Outfall	-			-	-	-	-	-	-		-
<b>Total</b>	<b>456,481</b>	<b>4,402</b>	<b>308,477</b>	<b>84,230</b>	<b>35,669</b>	<b>58,019</b>	<b>400,942</b>	<b>284,588</b>	<b>404,474</b>		<b>2,037,283</b>



**South Orange County Wastewater Authority  
Table A**

		Large Capital Inactive ProjectsCash Balance as of 3/31/2019									
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 02 J B Latham											
Liquids											
3203-000 - Effluent Standby Generator ATS Repl (2016)	3203			48,510				36,381	27,286	45,478	157,655
3204-000 - Facility Improvements - Structural Repairs (2015)	3204			(27,434)				(20,577)	(15,432)	(25,721)	(89,164)
3211-000 Scum Sump Relining/Reconstruction (2015)	3211			731				549	411	686	2,377
3212-000 - East Primary Influent Channel Repair	3212			6,860				5,148	3,864	6,435	22,307
3213-000 - Water System Piping Improvements (2014)	3213			7,046				5,284	3,962	6,605	22,897
3214-000 - 4 MGD Diversion Flow Meter & Control Structure (2012)	3214			16,079				12,063	9,049	15,078	52,269
3251-000 - Effluent Flow Meter Replacement (2017)	3251			16,358				11,119	8,341	13,900	49,718
Total PC 02 Liquids				68,149				49,968	37,481	62,460	218,059
Common											
3205-000 - West Side Power System Upgrade (2013)	3205			16,099				11,825	12,042	12,867	52,833
3207-000 - Foul Air System Evaluation (2016)	3207			14,553				10,706	10,942	11,698	47,899
3216-000 - Hoist System for Maintenance Shop (2013)	3216			7,414				5,455	5,567	5,960	24,397
3217-000 - Lighting System Improvements (2014)	3217			6,623				4,872	4,979	5,324	21,798
3218-000 - Energy Building Roof reconstruction (2014)	3218			6,655				4,896	4,999	5,346	21,897
1113- Facility Safety Review (2015)	1113			6,077				4,470	4,569	4,885	20,000
1114- Monitoring and Control Facility Plan (2015)	1114			13,673				10,057	10,279	10,990	45,000
Total PC 02 Common				71,095				52,280	53,377	57,070	233,823
Solids											
3210-000 - Facility Improvements - Solids Area (2015)	3210			185,725				133,844	175,698	123,817	619,084
3272-000 - Dewatering System Controls Upgrade (2017)	3272			(19,429)				(34,275)	(18,377)	(12,952)	(85,033)
Total PC 02 Solids				166,295				99,569	157,322	110,865	534,052
Total PC2 JB Latham											
				305,540				201,817	248,180	230,396	985,934
PC 3SOCWA Plant / PCA AWT											
3301-000 Surface Drainage Improvements (2014)	3301							(15,027)	(5,879)		(20,906)
3302-000 Primary Sedimentation Upgrade (2011)	3302							(37,738)	(14,763)		(52,501)
3303-000 Channel & Basin Lining Repair (2013)	3303							72,886	28,514		101,400
3304-000 Aeration System Upgrade (2015)	3304							(515,623)	(201,716)		(717,339)
3305-000 Electrical/Structural Repairs (2003)	3305							548,516	214,584		763,100
3306-000 Settlement Repair - West Side (2013)	3306							8,804	3,444		12,248
Total PC 3 SOCWA Plant / PCA AWT								61,819	24,184		86,003
PC 05 San Juan Creek Ocean Outfall											
3602-000 Emergency Plan Development (2016)	3602		3,645	2,430				3,402	9,720	2,735	21,932
3604-000 - Metering Vault - Piping Upgrades (2016)	3604		757	507				706	2,503	568	5,041
Total PC5 San Juan Creek Ocean Outfall			4,402	2,937				4,108	12,223	3,303	26,973

**South Orange County Wastewater Authority  
Table A**

			Large Capital Inactive ProjectsCash Balance as of 3/31/2019									
			CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 15 Coastal Treatment Plant												
Liquids												
3501-000 - Fire Protection (2013)	3501		2,322				181		1,009		1,828	5,341
3502-000 RAS Hypochlorite System (2013)	3502		46,406				3,657		5,133		36,540	91,737
3503-000 - Scrubber Upgrade (2013)	3503		171,452				13,518		23,400		135,001	343,371
3505-000 Headworks Overflow Pipe Modification (2015)	3505		32,956				2,598		2,070		25,950	63,574
3506-000 Structural Mods-Grating Sys & Curb Area E of Maint Shop (2015)	3506		9,988				785		6,286		7,864	24,923
3507-000 - East Primary Influent Gates (2015)	3507		18,745				1,478		(16,621)		14,760	18,363
3508-000 - Grit System Knife Gate Valve Replacement (2015)	3508		7,526				600		(19,573)		5,926	(5,521)
3510-000 - East Primary/Aeration Grating Rebate and Concrete Repair (20	3510		55,901				4,406		507		44,016	104,829
3511-000 Influent/Overflow Condition Assessment (2016)	3511		26,208				2,073		(41,949)		20,635	6,967
3512-000 - Basins Between HW Bldg and Primary Basin Grating Rebate and	3512		(109)				(9)		(84)		(86)	(289)
3513-000 Grit System Condition Assessment (2016)	3513		29,545				2,334		(35,467)		23,263	19,676
3515-000 - Existing Export Sludge Wetwell Refurbishment (2015)	3515		79,704				6,280		17,309		62,757	166,051
3530-000 Aliso Sulfur Creek Confluence (2014)	3530		(6,991)				(550)		(5,395)		(5,505)	(18,441)
3531-000 Lighting System Improvements (2014)	3531		(26,343)				(2,074)		(20,328)		(20,743)	(69,489)
3532-000 - Fire Protection (2013)	3532		828				66		-		652	1,546
3533-000 - Export Sludge Line Repair & Rip Rap (R-2) (2012)	3533		18,448				1,454		6,922		14,525	41,350
3535-000 Structural Modifications (2014)	3535		744				58		574		587	1,963
3540-000 East Primary Sedimentation Scum Skimmers (2013)	3540		(9,433)				(743)		(7,279)		(7,428)	(24,882)
3550-000 - Export Sludge Pump Addition (2017)	3550		(28,106)				(2,204)		(80,886)		(22,133)	(133,328)
3554-000 - Odor Scrubber Bleach Tank Replacement (2017)	3554		11,971				943		(13,070)		9,423	9,267
79-CWest Primary Sedimentation Upgrade (2010)	79-C		19,013				1,497		14,672		14,971	50,153
88-CMCC-1 Replacement (2004)	88-C		948				75		731		746	2,500
1317-Facility Safety Review (2015)	1317		7,582				597		5,851		5,970	20,000
1318-Monitoring and Control Facility Plan (2015)	1318		15,164				1,194		11,701		11,940	40,000
1355-Channel Rebate Replacement (2013)	1355		(41,701)				(3,284)		(32,179)		(32,836)	(110,000)
Total PC 15 Liquids			442,768				34,931		(176,665)		348,626	649,660
AWT												
3516-000 - Disinfection System Upgrade AWT (2011)	3516										(154,316)	(154,316)
3517-000 - AWT Backwash Pump Replacement (2016)	3517										(97,541)	(97,541)
3518-000 - Chlorine Mixer Replacement (15AWT) (2015)	3518										21,636	21,636
3519-000 - Hypochlorite Tank (AWT) (2013)	3519										72,656	72,656
3532-000 - Fire Protection	3532										(31,230)	(31,230)
Total PC 15 AWT											(188,795)	(188,795)
Total PC 15 Coastal Treatment Plant			442,768				34,931		(176,665)		159,832	460,865

**South Orange County Wastewater Authority  
Table A**

Large Capital Inactive ProjectsCash Balance as of 3/31/2019											
		CLB	CSC	CSJC	ETWD	EBSD	IRWD	MNWD	SMWD	SCWD	Total
PC 17 Joint Regional Wastewater Reclamation											
Liquids											
3703-000 - Influent Line Manhole Reconstruction (2013)	3703							(271,318)			(271,318)
3704-000 - Odor Control Scrubber Control Panel No. 1 (2013)	3704							20,089			20,089
3705-000 - Disinfection System Upgrade - Construction (2006)	3705							175,721			175,721
3706-000 - Secondary Clarifier Retrofit (2) (2013)	3706							334,465			334,465
3709-000 - Influent Junction Structure & Pipe Condition Assessment (2016)	3709							(4,569)			(4,569)
3711-000 - Primary Influent Channel Condition Assessment (2016)	3711							(11,163)			(11,163)
3728-000 Secondary Clarifier Retrofit 2	3728							(69,047)			(69,047)
3729-000 Secondary Clarifier Retrofit	3729							122,539			122,539
3731-000 Primary Clarifier Aluminum Beam Replacement (2013)	3731							174,502			174,502
3732-000 Standby Hypochlorite Feed System (AWT) (2009)	3732							2,663			2,663
3733-000 AWT Backwash Pipe Relocation (2014)	3733							15,643			15,643
3734-000 Secondary Clarifier Retrofit (2012)	3734							(400,302)			(400,302)
1410Aeration System Analysis (2015)	1410							25,000			25,000
Total PC 17 Liquids								114,222			114,222
Common											
3714-000 Odor Analysis (2014)	3714	2,793			5,084	149		39,535		2,231	49,793
3716-000 Secondary Access Road Design (2015)	3716	3,298			6,001	176		46,671		2,633	58,780
3725-000 Disinfection Building Roof Repair (2014)	3725	(6,734)			(12,257)	(360)		(95,315)		(5,378)	(120,044)
3740-000 Electrical Manhole Reconstruction (2013)	3740	516			939	28		7,304		412	9,199
3760-000 - Develop Buried Piping Reconstruction Master Plan (2017)	3760	493			2,151	32		18,531		389	21,596
3762-000 - Emergency Access Road CEQA and Permits (2017)	3762	5,774			10,509	309		81,723		4,609	102,924
1411-Facility Safety Review (2015)	1411	1,122			2,042	60		15,880		896	20,000
1412-Monitoring and Control Facility Plan (2015)	1412	2,525			4,595	135		35,730		2,016	45,000
1453-Lighting Upgrade (2014)	1453	2,805			5,105	150		39,700		2,240	50,000
Total PC 17 Common		12,591			24,170	679		189,760		10,048	237,247
Solids											
3735-000 Odor Control Scrubber Control Panel No. 2 (2013)	3735	1,122			2,041	59		5,882		896	10,000
Total PC 17 Solids		1,122			2,041	59		5,882		896	10,000
Total PC 17 Joint Regional Wastewater Reclamation		13,713			26,211	738		309,864		10,944	361,470
PC 21 Effluent Transmission Main											
3102-000 - EMT Condition Assessment Methodology (B/C) (2016)					11,819		11,819				23,639
3181-000 - Air Vacuum Valve Replacement Reach D (2018)					26,850		26,850				53,700
3182-000 - Air Vacuum Valve Replacement Reach E (2018)					19,350		19,350				38,700
Total PC 21 Effluent Transmission Main					58,019		58,019				116,039
SOCWA Total 3-31-19 Large Capital Inactive Projects Cash Balance		456,481	4,402	308,477	84,230	35,669	58,019	400,942	284,588	404,474	2,037,283