

**NOTICE OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
BOARD OF DIRECTORS
BUDGET WORKSHOP**

**May 23, 2019
8:30 – 10:30 a.m.**

NOTICE IS HEREBY GIVEN that a Special Meeting of the South Orange County Wastewater Authority (SOCWA) Budget Workshop has been called by the Chairman to be held on **May 23, 2019** at **8:30 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 BUDGET WORKSHOP IN CONNECTION WITH A MATTER SUBJECT TO DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BUDGET WORKSHOP 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 BUDGET WORKSHOP 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 BUDGET WORKSHOP MEMBERS, EXCEPT THAT, IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE BUDGET WORKSHOP MEETING ROOM.

AGENDA

- 1. Call Meeting to Order**
- 2. Public Comments**

THOSE WISHING TO ADDRESS THE BUDGET WORKSHOP 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.

3. Budget Workshop – Review of Proposed SOCWA FY 2019-20 Total Operating Budget

A. Update on Finance Committee Review

B. Budget Overview & Key Assumptions

- (i)** Operations, Maintenance & Capital Programs (Small Internal and Large Capital)
- (ii)** Detail by Project Committee and Member Agency
- (iii)** Administration
- (iv)** General Fund

Recommendation:

Discussion and Direction to Staff

Proposed Date Set for Budget Consideration for Approval; June 20, 2019

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Board of Directors 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 Board of Directors at the usual agenda posting location of the South Orange County Wastewater Authority and at www.socwa.com.

Dated this 17th day of May 2019.



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

**SOCWA
Board
Budget Workshop
2019/2020 Fiscal Year
May 23, 2019**

Budget Schedule

- ▶ Finance Committee Special Meetings
 - **March 26, 2019** – Budget Development Kick Off
 - **April 9, 2019** – O&M Environmental Safety Budget Presentation; Member Comments to 3/16/19
 - **April 23, 2019** – General Fund Budget, Administration and Capital Budget, Member Comments to prior
 - **May 7, 2019** – Committee Discussion/Direction
 - **May 21, 2019** – Committee Discussion/Direction
- ▶ Board Workshop – **May 23, 2019**
- ▶ Board Adoption – **June 20, 2019**

Proposed Budget Overview

Total Operating Budget

	FY 2015-16 Actual	FY 2016-17 Actual	Change %	FY 2017-18 Actual	Change %	FY 2018-19 Forecast	Change %	FY 2019-20 Budget	Change %
O&M Budget by Member Agency									
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%
Total O&M Budget by Member Agency	18,376,566	18,928,708	3.0%	19,253,672	1.7%	20,414,976	6.0%	20,952,852	2.6%

Change FY '18/'19 to '19/20

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

5-Year Total Cost Base & Cost Drivers

Prioritized by Major Expenditure

	FY 2015-16 Actual	Mix %	FY 2016-17 Actual	Mix %	FY 2017-18 Actual	Mix %	FY 2018-19 Forecast	Mix %	FY 2019-20 Budget	Mix %
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%
Total SOCWA Cost Base	18,376,566		18,928,708		19,253,672		20,414,976		20,952,852	100.0%
Cost Drivers	16,818,794		17,286,134		17,573,227		18,433,878		19,348,442	
% Total Cost Base	91.5%		91.3%		91.3%		90.3%		92.3%	

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

FY 2019–20 Budget Key Assumptions

- ❖ Key Budget Assumptions, pgs. 16–26
- ❖ Staffing Plan
- ❖ Legal Cost Projection
- ❖ Utility Cost Distribution
- ❖ Capital Invoicing Policy
- ❖ Capital Quality Statement

Key Budget Assumptions

1. **COLA** (Cost of Living Adjustment) 2.7% **preliminary**, MOU based on March Index.
2. **Merit Pay** 3% Average Increase.
3. **Headcount** - No Change in staffing levels is planned in FY 2019-20 Budget: 64 FTEs.

4. Employer Pension Normal Costs based on CalPERS Annual Valuation Report:

Employer Normal Cost Rate				
Pension Plans	Annual % of Payroll	Pensionable Payroll \$'s	Employer's Normal Costs	Increase/ (Decrease)
Tier 1 Classic	11.432%	\$3,479,725	\$397,802	
Tier 2 Classic	10.221%	966,688	98,805	
Tier 3 PEPRA	6.985%	1,849,142	129,163	
Total		\$6,295,554	\$625,770	7.6%
Total 18/19 Budget			\$581,590	

Finance Committee recommends Annual Payment in July, 2019

5. **Group Insurance based on Current Health Census, Covered Employees and Rates:**

Group Insurance		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	
Total Group Insurance	\$895,048	(11.0%)
Total 18/19 Budget	\$1,005,463	
Retiree Health Insurance		
CalPERS Retiree Health	\$432,348	
CalPERS Admin Fee	994	
Total Retiree Health	\$433,343	4.9%
Total 18/19 Budget	\$413,056	

6. **PTO (Paid Time Off)** calculated by employee based on their earn rate for compensated absences:

FY 19-20 Budget							
	Holiday	Vacation	Sick	Personal	Admin	Total	Increase/ (Decrease)
O&M	165,940	240,833	182,953	55,885	9,528	655,140	
Environmental	40,974	65,844	45,641	13,849	4,199	170,507	
Engr	17,477	33,730	26,028	7,903	3,405	88,543	
Admin	43,478	63,214	47,151	14,667	9,246	177,756	
IT	4,276	4,336	4,336	1,463	985	15,396	
Total	\$272,144	\$407,957	\$306,110	\$93,768	\$27,363	\$1,107,342	4.1%
Total 18/19 Budget						\$1,063,946	

7. **Preliminary Fringe Rate** consistent with FY 2018-19 budget and forecast rate:

- Note: Preliminary rate does not include Savings for OPEB and Unfunded Pension Liability

	FY 2018-19 Budget	FY 2018-19 Forecast	FY 2019-20 Budget
Fringe Rate	72.0%	71.8%	71.9%

- Fringe Rate includes: 457 Plan, accrued leave, medical and ancillary insurances, taxes, PERS retirement and medical, employee related insurances.

8. O&M Inflation

- 2.5% for non-labor costs
- 5.0% inflation for energy/petroleum related items
 - a) Electricity
 - b) Natural Gas
 - c) Ferric Chloride
 - d) Bleach
 - e) Fuel
 - f) Petroleum products
 - g) Polymer

9. General Fund – No Change to General Fund Percentages and Expenses as established in FY 2018–19 Budget:

		Finance Committee Recommended General Fund %'s
Salary and Fringe		
01-6000-04-00-00	Regular Salaries-Admin & IT	Footnote #1
01-6001-04-00-00	Overtime Salaries-Admin & IT	50%
01-6315-04-00-00	Comp Time - Admin	
01-6401-04-00-00	Fringe Benefits IN to PC's & Depts.	
Total Payroll Costs		
Other Expenses		
01-5018-04-00-00	Public Notices/ Public Relations	100%
01-5027-04-00-00	Insurance - Property/Liability	
01-6101-04-00-00	Recruitment & Employee Relations	
01-6102-04-00-00	Subscriptions	
01-6200-04-00-00	Management Support Services	
01-6201-04-00-00	Audit	100%
01-6202-04-00-00	Legal	40%
01-6203-04-00-00	Outside Services	100%
01-6204-04-00-00	Postage	20%
01-6220-04-00-00	Board of Directors - Fees	
01-6223-04-00-00	Office Supplies - Admin	100%
01-6224-04-00-00	Office Equipment	100%
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%
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%
01-6601-04-00-00	Shipping/Freight	
01-6705-04-00-00	Monthly Car Allowance	
Total Other Expenses		
Total General Fund Expenses		
Time Allocation		
(1)	Clerk of the Board	50%
	Administrative Assistant II/III	50%
	GM	50%
	Controller	5%

General Fund Distribution Percentages

Member Agency				
	City of Laguna Beach		10.80%	
	City of San Clemente		5.40%	
	City of San Juan Capistrano		10.80%	
	El Toro Water District		8.10%	
	Emerald Bay Service District		10.80%	
	Irvine Ranch Water District		8.10%	
	Moulton Niguel Water District		16.20%	
	Santa Margarita Water District		10.80%	
	South Coast Water District		16.20%	
	Trabuco Canyon Water District		2.70%	
	Total Member Agency		100.00%	

Staffing Overview

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
Total	60	60	64	64	64	61	61	61	61

Staffing Trends

2017/18	2018/19
New Hires - 12	New Hires - 2
Retired - 5	Retired 3
Departures - 5	Departures - 1

2019/20	2020/21
Replace with Retirements	Replace with Retirements
Projected to Retire - 6	Projected to Retire - 4
	Projected to 62 FTE

Succession Planning

2017/18	2018/19
Chief Plant Operator – 1	Chief Plant Operator – 1
Operator III – 1	Operator II – 4
Operator I – 1	Maintenance Mech II – 1
Maintenance Mechanic II – 1	Electrical/Instrumentation – 1
	Lab Tech I – 1
	Lab Tech III/Q&A Specialist – 1

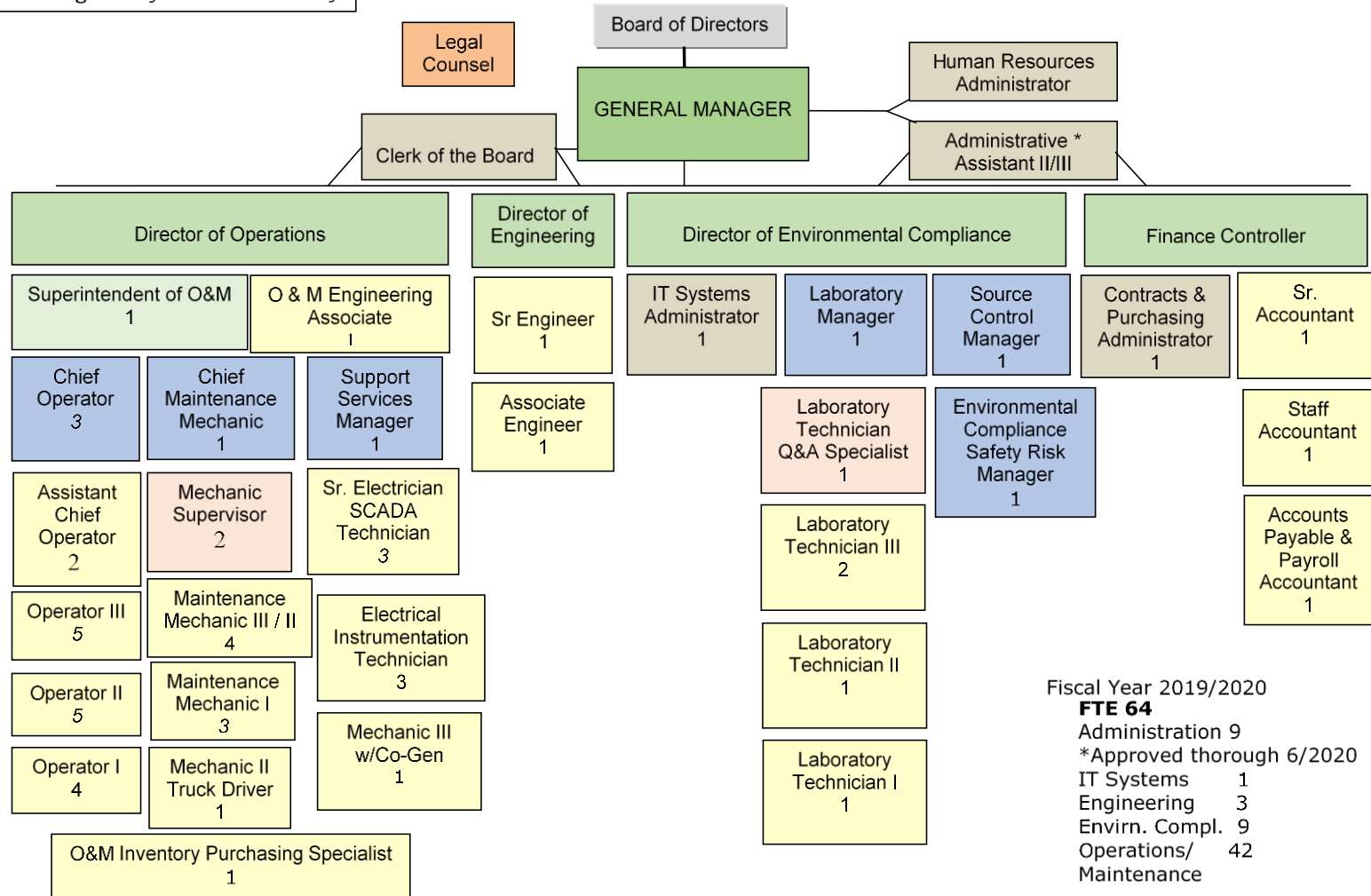
2019/2020	2020/21
Chief Maintenance – 1	Operator III – 2
Maintenance Supervisor – 1	Mechanic II – 1
Assistant Chief Operators – 2*	
Ops Engineering Associate – 1*	

*Track to retirement of Superintendent of Operations position which will not be refilled.

Professional Certifications

2017/18	2018/19
Operator III (Exam) – 2	Operator II (Exam) – 1
Operator III Certified –1	Operator III (Exam) – 3
Crane Operations (Exam) – 2	Operator V (Exam) – 1
Electrical/Instrumentation II – Certified – 2	Environmental Compliance Inspector IV – 1
Laboratory Technician Tech I Certified – 1	Mechanical IV – 1 Electrician I – 1
	Certified Safety Professional – 1 Certified Professional Contracts Manager – 1

FY 2019/20 Organizational Chart



Fiscal Year 2019/2020
FTE 64
 Administration 9
 *Approved through 6/2020
 IT Systems 1
 Engineering 3
 Envir. Compl. 9
 Operations/ 42
 Maintenance

Projected Legal Expenditures

2018/19		2019/2020	
Budget General Legal	\$200,000	Budget General Legal	\$170,000
Labor	50,000	Labor	80,000
Approved Increase	65,000		
Projected Total:	\$315,000	Budget Total:	\$250,000

Cost Distribution Study

Carollo Recommendations

Staff recommends including recommended Carollo report distributions, as follows:

- ▶ All costs for the outfalls will be allocated as fixed costs.
- ▶ The remaining changes for the FY19–20 Budget include changing the following expenses from labor allocations to common ownership allocations:
 - Standby Pay
 - Small Vehicle Expenses
 - Small Vehicle Fuel
 - Recruitment
 - Mileage Reimbursement

Other Cost Distributions

Updated PC costs based on current usage, including:

PC2 – JB Latham Treatment Plant

- ▶ Ferric Chloride from 80% Liquids and 20% Solids to 100% Solids

PC15 – Coastal Treatment Plant

- ▶ Electricity from 94% Liquids 2.5% AWT and 3.5% Common to 100% Liquids
- ▶ Natural Gas from 95% Liquids and 5% Common to 50% Liquids and 50% Common

PC17 – Regional Treatment Plant

- ▶ Ferric Chloride from 80% Liquids and 20% Solids to 100% Solids
- ▶ (updates Budget Assumption 10)

Capital Invoicing

▶ Current Approach:

- Planned Capital Expenditures proceed through Engineering Committee for All Project Committees with recommendation to the Board of Directors.
- Adopted Budget is billed as follows:
 - Quarter 1 & 2 Based on Budget
 - Quarter 3 & 4 Based on Adjustments for Actual Expenditure Trends (Construction in Progress) and Issued Contractual Obligations

▶ New Approach:

- Quarter 1 Based on Budget
- Quarter 2, 3, and 4 Based on Adjustments for Cash Flow needs as determined by Director of Engineering

- ▶ In Making O&M 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.

Two Year Large Capital Proposed

Project Committee 2



Project Committee 5



Project Committee 15



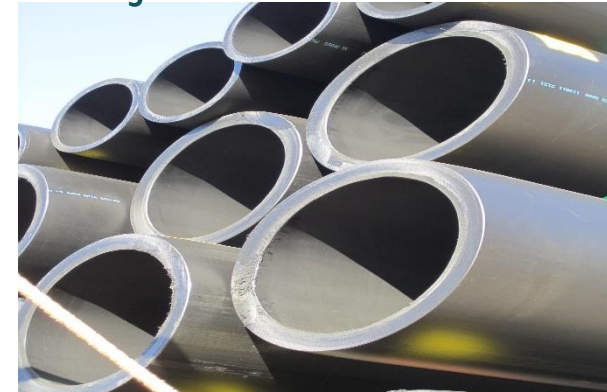
Project Committee 17



Project Committee 21



Project Committee 24



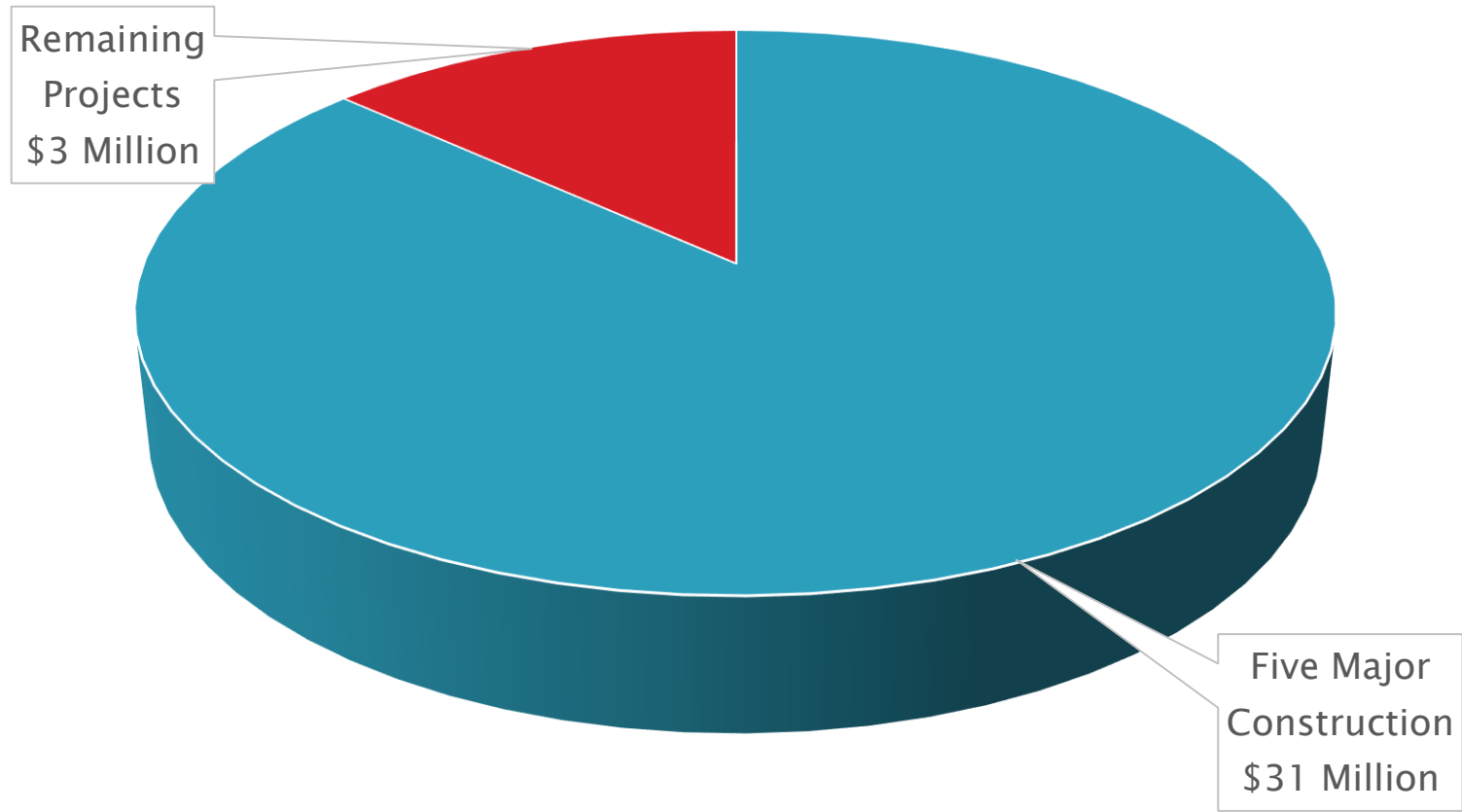
Proposed Large Capital FY 2019/20 & 2020/21

PC	Large	NC	Small	Total
2	9,301,575	505,019	685,000	10,491,594
5		75,730	2,752	78,482
15	11,644,171	96,183	621,000	12,361,354
17	9,817,108	161,754	736,000	10,714,862
21	329,665			329,665
24	106,253		2,752	109,005
Total	31,198,772	838,686	2,047,504	34,084,962

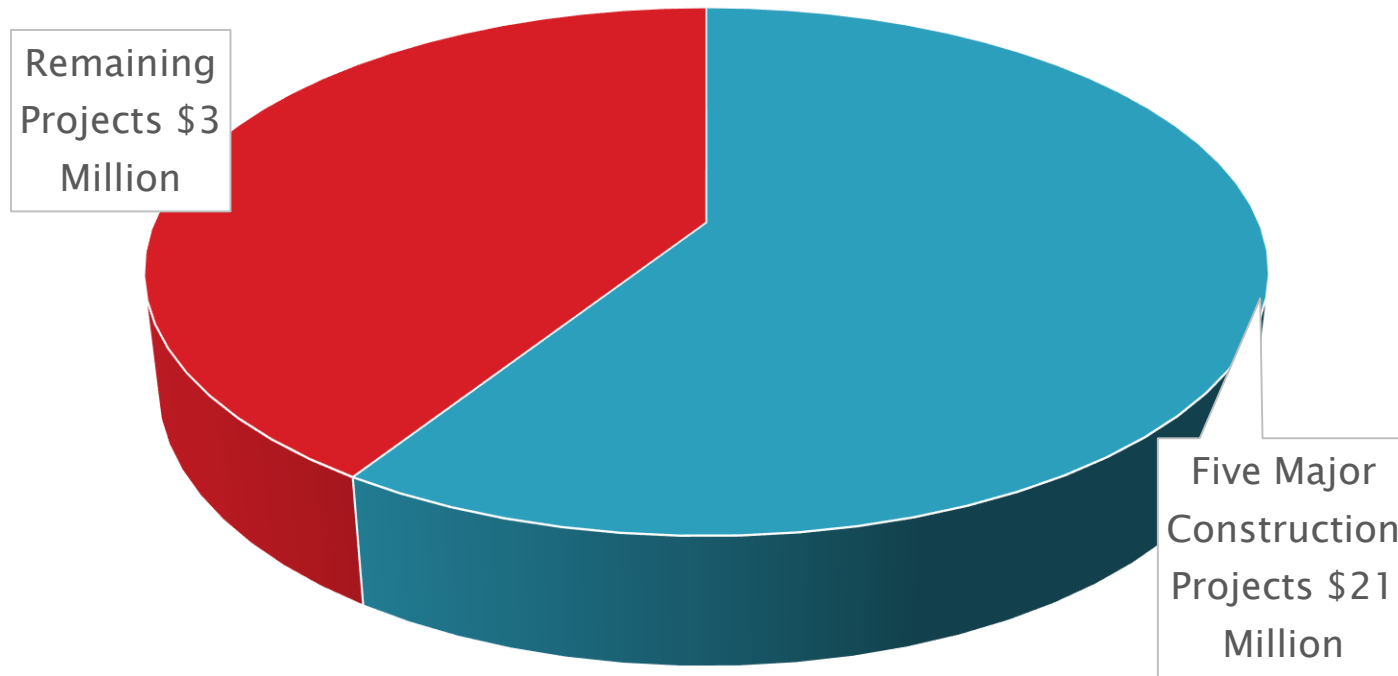
Construction Dominance of Capital Budget in Fiscal Years 2019/20 and 2020/21

- ▶ Five Major Projects Bidding In Fiscal Year 2018/19:
 - JBLTP Package 'B' (Project Awarded)
 - RTP Miscellaneous Improvements 2018 (Bids Received)
 - CTP Facility Improvements Project (Bids Received)
 - RTP Aeration and AWT Upgrade (Bids Expected End of May, 2019)
 - CTP Export Sludge (Awaiting Final Permits)

Fiscal Year 2019/20 Major Capital Improvements



Fiscal Year 2020/21 Major Capital Improvements



O&M and Small Capital



About \$30M
in this type
of equipment
at SOCWA

Facilities 2/3rds
Depreciated
(2018 Audit)



Moving
Equipment ~60%
Fully Depreciated

Large Versus Small Capital

- ▶ Major Systems Repairs
- ▶ Design requirements (ex. structural engineering)
- ▶ New regulations
- ▶ Complex shutdowns and tie-ins
- ▶ Large (multiyear) efforts
- ▶ New Services/ Processes

- ▶ Point/Temporary Repairs
- ▶ Emergency Repairs
- ▶ Standalone items
- ▶ IT and Security
- ▶ Obsolescence issues
- ▶ Limit scope items
- ▶ Limited staffing in Engineering to support
- ▶ Near term or critical need (Planned or unplanned in CIP project)

Large Cap

Small Cap

Managed Maintenance Program Highlights (2018)

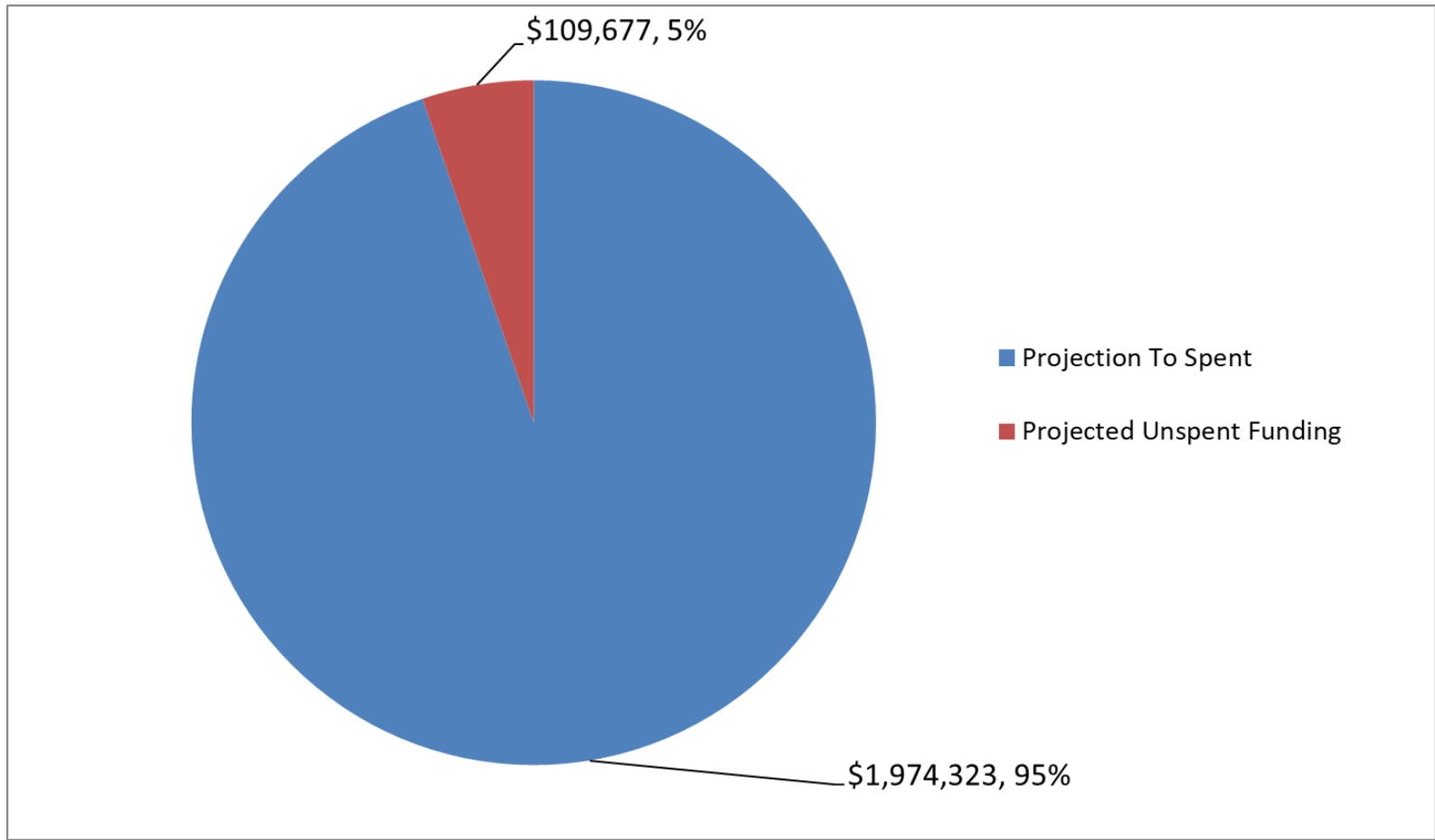
- ▶ Pumps and other driven equipment with Preventative Maintenance (PM) programs:
 - 20,675 PM tasks
 - 1441 Equipment failures (Corrective) – 6.97%
 - 121 Callbacks failures reoccurred – 8.40%
- ▶ Lifecycle Engineering indicates that an effective PM program is at least 6:1 (under 16%)
- ▶ Callbacks should range between 3% and 10%





77 O&M Major Projects in FY18-19

FY18-19 small capital spending projection



Small internal capital budget request

PC/FY	FY18/19	FY19/20	Delta
PC2	\$751,000	\$685,000	(\$66,000)
PC5	\$0	\$2,750	\$2,750
PC15	\$702,000	\$621,000	(\$81,000)
PC17	\$631,000	\$736,000	\$105,000
PC24	\$0	\$2,750	\$2,750
Total	\$2,084,000	\$2,047,500	(\$36,500)

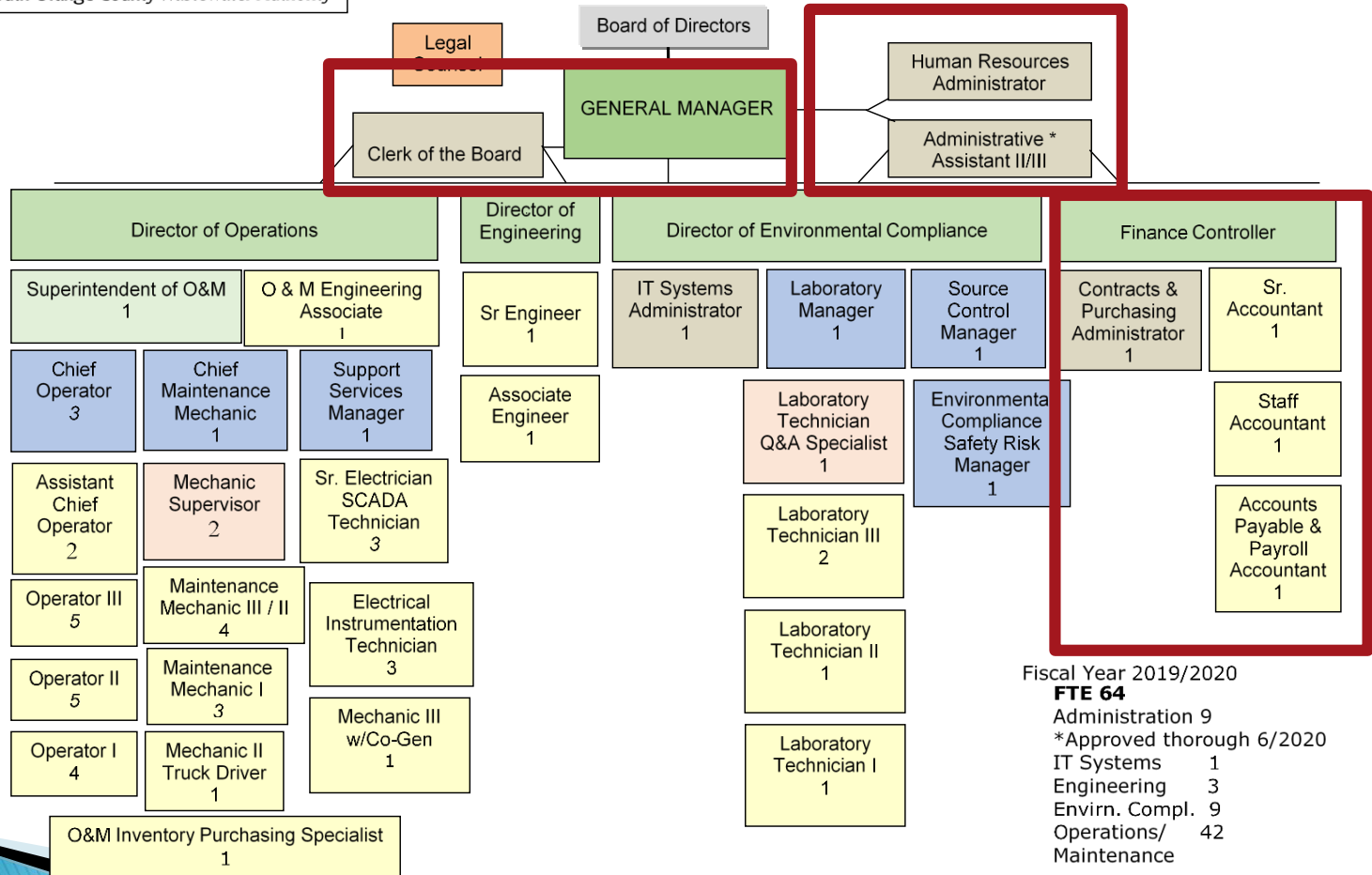
Administration Expenses

FY 2019–2020 Proposed Budget

FY 2019/20 Organizational Chart



EXHIBIT C



Fiscal Year 2019/2020
FTE 64
 Administration 9
 *Approved through 6/2020
 IT Systems 1
 Engineering 3
 Envirn. Compl. 9
 Operations/ 42
 Maintenance

Administration Cost Distribution

- ▶ Cost Distribution is noted each year in Budget and written into SOCWA's Assumptions:
 - *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) and other "Consolidated" expenses are applied to Member Agencies based on a 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 (Federal Acquisition Regulation) methodology. This approach was confirmed appropriate by outside engineering/financial review of Carollo Engineering in FY '15/'16. This approach assigns administrative costs to the agency incurring the cost.*

What is in Administration Detail?

- ▶ Administrative Expenses by line item, including salaries, overtime and fringe benefits
- ▶ Other Expenses, including legal, recruiting, management support, board fees, administrative training, and audit costs
- ▶ A portion of AE is allocated to the General Fund – differential sharing % for some costs
- ▶ Residual Engineering

FY 2019–20

Prior Year to Proposed Budget

2018/19	2019/2020
Salaries \$1,007,352*	Salaries: \$1,041,455*
Fringe Benefits: \$709,453**	Fringe Benefits: \$741,332**
Other Expense: \$739,130	Other Expenses: \$730,583
Budget Total: \$2,455,935	Budget Total: \$2,513,360
*COLA 3.8%; Merit 3%	*COLA 2.7%; Merit 3%
**Budgeted Fringe 72%	**Planned Fringe 71.9%

Projected Legal Expenditures

2018/19		2019/2020	
Budget General Legal	\$200,000	Budget General Legal	\$170,000
Labor	50,000	Labor	80,000
Approved Increase	65,000		
Projected Total:	\$315,000	Budget Total:	\$250,000

Prior Year to Proposed Budget Residual Engineering

2018/19	2019/2020
Salaries: \$199,834	Salaries: \$207,349
Fringe Benefits: \$143,880	Fringe Benefits: \$149,173
Other Expense: \$113,741	Other Expenses: \$100,986
Budget Total: \$457,455	Budget Total: \$457,508
Distribution to Capital	Distribution to Capital
\$374,357	\$388,534

Administration Time Study FY 2019-20 Budget

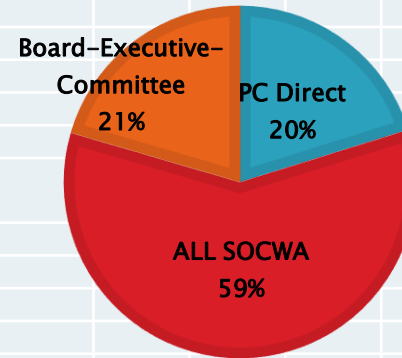
Administration Study
(July through December 2018)

Admin Staff & GM

PC Direct	ALL SOCWA	Board-Executive-Finance-Engr-Committee Work	Total
20.2%	59.3%	20.5%	100.0%

ADMINISTRATION TIME REPORTING

PC Meetings	Legal/Compliance	Board/Committees
PC Matters	Policies	
Contracts	Operations	
Permits	Engineering	
Q&A	Insurance	
Single	Contracts	
Member Agency	MOU/Labor	
	Employee Management	
	Financial Matters	
	IT & Safety	
	Other	



Definitions

(1) PC Direct – means time that is identified specifically with a Project Committee or a Single Member Agency.

(2) All SOCWA – means time for organization wide activities with multi-PC benefit.

(3) Board-Executive-Committee (Various)
Related to Board and Committees

FY 2018-19 50% General Fund; remainder Administration
Examples of Work Included in each Category

PC Direct

Includes supporting work to a specific PC or Agency request.

ALL SOCWA

Includes organization wide activities with multi-PC benefits such as labor,

engineering, financial & safety

Time Study Methodology

(a) Time tracked by Admin. Employee

Board-Executive-Finance-Engineering

Includes Board, Executive and Committee work

(b) Time captured to spreadsheets for calculation totals by category/percent

(c) Study period July through December 2018.



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

FY 2019-20 Budget

Transmittal Letter – May 23, 2019

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 3rd 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)**

	FY 2015-16	FY 2016-17	Change	FY 2017-18	Change	FY 2018-19	Change	FY 2019-20	Change %
	Actual	Actual	%	Actual	%	Forecast	%	Budget	
O&M Budget by Member Agency									
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%
Total O&M Budget by Member Agency	18,376,566	18,928,708	3.0%	19,253,672	1.7%	20,414,976	6.0%	20,952,852	2.6%

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)

	FY 2015-16	FY 2016-17	Change	FY 2017-18	Change	*FY 2018-19	Change	FY 2019-20	Change
	Actual	Actual	%	Actual	%	Forecast	%	Budget	%
O&M Budget by Member Agency									
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%
Total O&M Budget by Member Agency	18,376,566	18,928,708	3.0%	19,253,672	1.7%	20,414,976	6.0%	20,952,852	2.6%

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 %
O&M & Environmental, Safety Expenses									
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%
Total O&M Budget	16,437,673	16,587,654	0.9%	16,437,739	-0.9%	17,501,585	6.5%	17,981,984	2.7%

Member Agency Administration and Residual Engineering Expenses Allocation Percentages

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%
Total Allocation Percentages	100.0%	100.0%	100.0%	100.0%	100.0%

Residual Engineering Expenses	199,826	344,018	414,966	457,455	457,508	0.0%
Administration Expenses	1,715,207	1,997,037	2,400,967	2,455,935	2,513,360	2.3%
Less General Fund			(472,524)	(558,757)	(553,533)	-0.9%
Total Administration and Residual Engineering Expenses	1,915,033	2,341,055	2,343,409	2,354,633	2,417,335	2.7%

State Revolving Loan (Laguna Beach)	23,860
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**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 %
Member Agency Administration and Residual Engineering Expenses and Percent Change Year over Year									
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%
Total Administration and Residual Engineering Expenses	1,915,033	2,341,055	22.2%	2,343,409	0.1%	2,354,633	0.5%	2,417,335	2.7%

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%

*Member Agency Administration, Residual Engineering and General Fund Expenses and Percent Change Year over Year									
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%
Total Member Agency	1,915,033	2,341,055	22.2%	2,815,933	20.3%	2,913,391	3.5%	2,970,868	2.0%

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	FY 2016-17	Change	FY 2017-18	Change	FY 2018-19	Change	FY 2019-20	Change
	Actual	Actual	%	Actual	%	Forecast	%	Budget	%
Total O&M Budget by Member Agency, O&M, Administration, Residual Engineering and General Fund and Percent Change Year over Year									
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%
Total O&M Budget	18,376,566	18,928,708	3.0%	19,253,672	1.7%	20,414,976	6.0%	20,952,852	2.6%

*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)

	FY 2015-16 Actual	Mix %	FY 2016-17 Actual	Mix %	FY 2017-18 Actual	Mix %	FY 2018-19 Forecast	Mix %	FY 2019-20 Budget	Mix %
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%
Total SOCWA Cost Base	18,376,566	100.0%	18,928,708	100.0%	19,253,672	100.0%	20,414,976	100.0%	20,952,852	100.0%

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

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

Guide to the Budget

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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
Total	60	60	64	64	64	61	61	61	61
FY 2017-18 Budget	60	61	64	65	63	62	62		

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.

Employer Normal Cost Rate FY 2019-20				
Pension Plans	Annual % of Payroll	Pensionable Payroll \$'s	Employer's Normal Costs	Increase/ (Decrease)
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	
Total		\$6,277,551	\$623,980	7.3%
FY 18-19 Budget			\$581,590	

- 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.

Unfunded Pension Liability Required Annual Payment FY 2019-20					
Pension Plans	Annual Lump Sum Payment	Monthly Payments	Annual Interest Savings	Increase/ (Decrease)	Without Savings
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		
Total	\$867,337	\$898,228	\$30,891	16.6%	20.8%
FY 18-19 Budget	\$743,842				

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

Paid Time Off Accruals FY 2019-20							
	Holiday	Vacation	Sick	Personal	Admin	Total	Increase/ (Decrease)
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	
Total	\$272,688	\$408,773	\$306,722	\$93,955	\$27,418	\$1,109,556	4.3%
FY 18-19 Budget						\$1,063,946	

- 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	
Total Group Insurance	\$895,048	-11.0%
Total 18/19 Budget	\$1,005,463	

- 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	
Total Retiree Health	\$433,343	4.9%
Total 18/19 Budget	\$413,056	

- 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
Fringe Rate	72.0%	75.5%	71.9%

- 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.

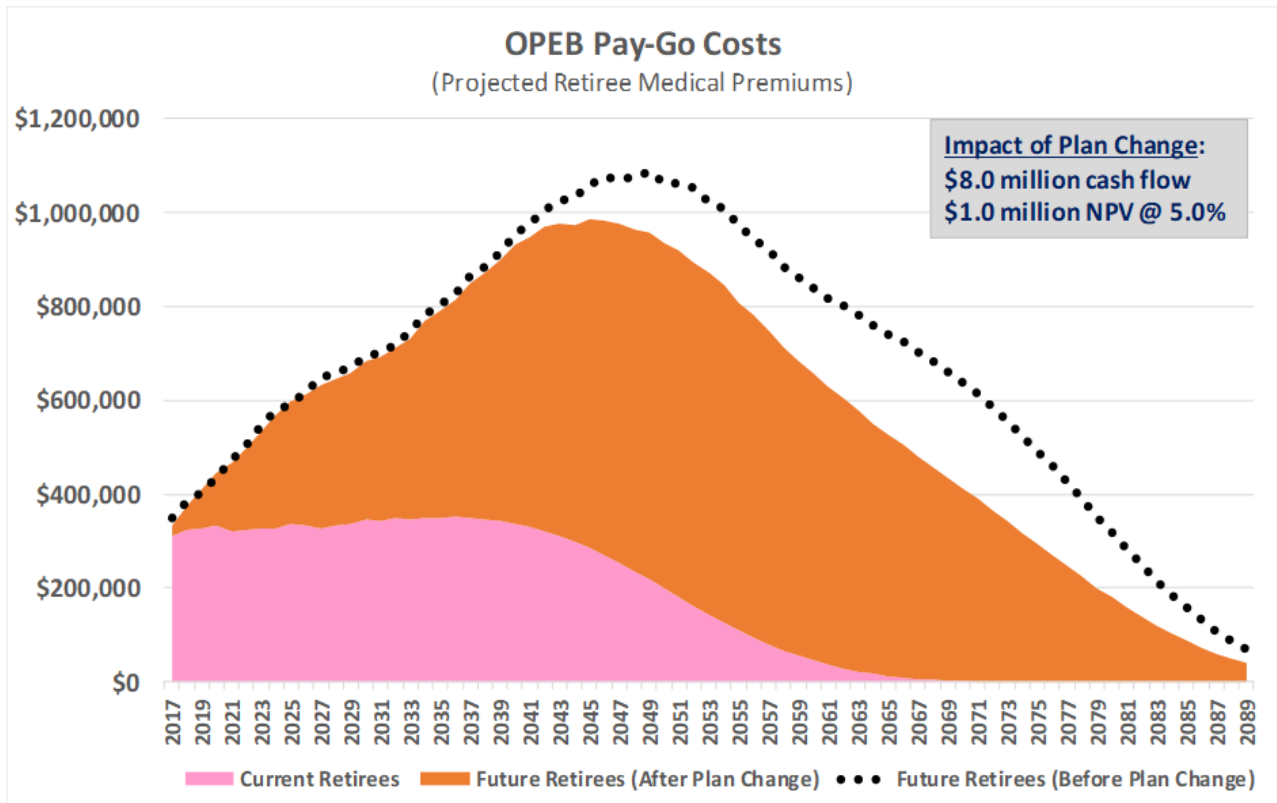
The Finance Committee supported the importance of beginning a savings plan for PERS/OPEB obligations within the next two years. A savings program was not included in the FY 2019-20 budget.

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**

	<i>O&M Costs¹ - Variable</i>	<i>O&M Costs¹ – Fixed</i>	<i>Capital Costs</i>
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. ²⁷	Allocated to PC member based on ownership via multiplication of total common costs by ownership percentage.	Allocated to PC member based on percentage ownership.

Cost Allocation Approaches cont'd.

	<i>O&M Costs¹ - Variable</i>	<i>O&M Costs¹ – Fixed</i>	<i>Capital Costs</i>
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.

¹: 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
Total	60	60	64	64	64	61	61	61	61
FY 2017-18 Budget	60	61	64	65	63	62	62		

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
Total	9,042	9,721	9,638	9,890	10,855
% Change		7.5%	-0.9%	2.6%	9.8%

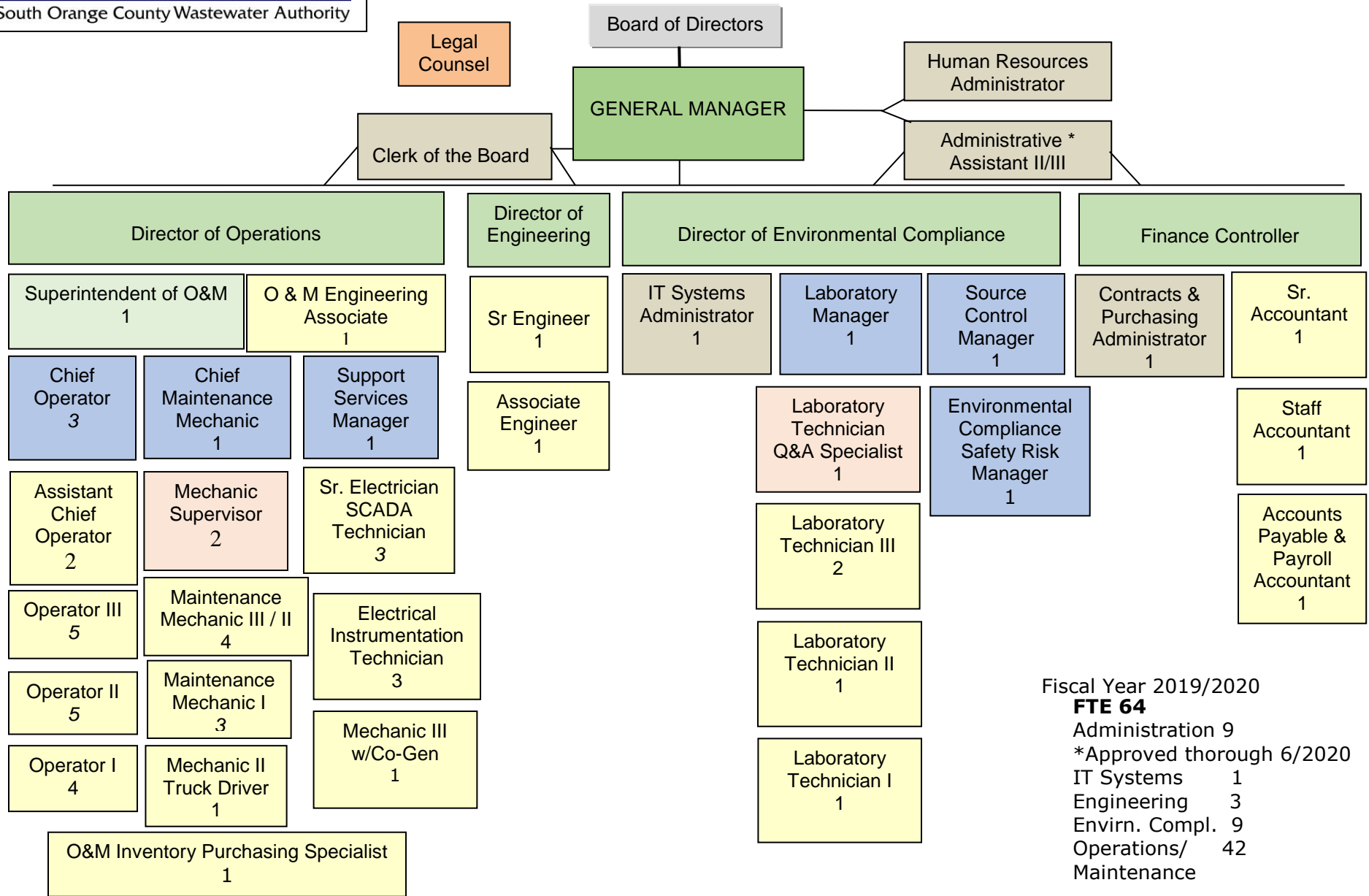
SOCWA Cost Base	18,377	18,929	19,254	20,415	20,953
Payroll Cost Content	49.2%	51.4%	50.1%	48.4%	51.8%

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

	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	Actual	Actual	Actual	Budget	Forecast	Budget	Budget	Budget	Budget	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	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.										
Total O&M Budget Fringe Benefits Pool	3,865,192	4,370,418	3,923,431	4,322,424	4,103,612	4,444,033	4,641,197	4,950,319	5,230,776	5,470,393
Change in Fringe Pool		13.1%	-10.2%	10.2%	4.6%	8.3%	4.4%	6.7%	5.7%	4.6%
Pay for Time Worked Labor Base(Regular Salaries)										
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
Total Pay for Time Worked Labor Base	4,976,917	5,045,329	5,333,523	6,006,731	5,437,837	6,182,852	6,086,817	6,405,220	6,690,589	6,981,527
Fringe Rate	78%	86.6%	73.56%	72.0%	75.5%	71.9%	76.2%	77.3%	78.2%	78.4%
Change in Labor Base		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 through 6/2020
 IT Systems 1
 Engineering 3
 Envirn. 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
O&M by Project Committee and Member Agency											
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
Total O&M by Project Committee and Member Agency	2,056,880	102,844	1,853,088	738,396	83,372	104,772	7,814,548	1,830,776	3,372,268	25,040	17,981,984

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

Administration, General Fund and Residual Engineering Expenses Allocation Percentages by Project Committee and Member Agency											
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%
Total Allocation %'s	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

Total O&M Budget by Project Committee and Member Agency											
Project Committee											
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
Total O&M Budget by Project Committee and Member Agency	2,393,230	146,590	2,162,042	882,540	154,421	163,738	8,954,827	2,136,730	3,915,367	43,367	20,952,852

*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
O&M by Project Committee and Member Agency											
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
Total O&M by Project Committee and Member Agency	514,220	25,711	463,272	184,599	20,843	26,193	1,953,637	457,694	843,067	6,260	4,495,496

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

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%
Total Allocation %'s	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

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
Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency	84,087	10,937	77,238	36,036	17,762	14,741	285,070	76,489	135,775	4,582	742,717

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
Total O&M Budget by Project Committee and Member Agency	598,307	36,648	540,510	220,635	38,605	40,934	2,238,707	534,183	978,842	10,842	5,238,213

*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
O&M by Project Committee and Member Agency											
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
Total O&M by Project Committee and Member Agency	514,220	25,711	463,272	184,599	20,843	26,193	1,953,637	457,694	843,067	6,260	4,495,496

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

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%
Total Allocation %'s	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

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
Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency	84,087	10,937	77,238	36,036	17,762	14,741	285,070	76,489	135,775	4,582	742,717

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
Total O&M Budget by Project Committee and Member Agency	598,307	36,648	540,510	220,635	38,605	40,934	2,238,707	534,183	978,842	10,842	5,238,213

*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
O&M by Project Committee and Member Agency											
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
Total O&M by Project Committee and Member Agency	514,220	25,711	463,272	184,599	20,843	26,193	1,953,637	457,694	843,067	6,260	4,495,496

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

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%
Total Allocation %'s	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

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
Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency	84,087	10,937	77,238	36,036	17,762	14,741	285,070	76,489	135,775	4,582	742,717

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
Total O&M Budget by Project Committee and Member Agency	598,307	36,648	540,510	220,635	38,605	40,934	2,238,707	534,183	978,842	10,842	5,238,213

*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
O&M by Project Committee and Member Agency											
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
Total O&M by Project Committee and Member Agency	514,220	25,711	463,272	184,599	20,843	26,193	1,953,637	457,694	843,067	6,260	4,495,496

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

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%
Total Allocation %'s	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

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
Total Administration, General Fund and Residual Engineering Expenses by Project Committee and Member Agency	84,087	10,937	77,238	36,036	17,762	14,741	285,070	76,489	135,775	4,582	742,717

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
Total O&M Budget by Project Committee and Member Agency	598,307	36,648	540,510	220,635	38,605	40,934	2,238,707	534,183	978,842	10,842	5,238,213

*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	<u>7,730,517</u>	<u>7,278,776</u>	<u>-5.8%</u>	<u>7,288,924</u>	<u>0.1%</u>	<u>8,157,564</u>	<u>11.92%</u>
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..***	19,787	51,043	158.0%	72,068	41.2%	61,932	(14.06%)
5035..***	52,511	93,351	77.8%	63,380	-32.1%	55,168	(12.96%)
5036..***	68,799	76,220	10.8%	90,328	18.5%	93,256	3.24%
5037..***	19,969	38,739	94.0%	24,996	-35.5%	24,996	0.00%
5038..***	475,018	359,577	-24.3%	415,952	15.7%	500,128	20.24%
5039..***	14,356	13,493	-6.0%	11,920	-11.7%	22,892	92.05%
5044..***	32,634	32,757	0.4%	36,000	9.9%	36,000	0.00%
5045..***	-	-	0.0%	110,000	100.0%	-	(100.00%)
5046..***	38,855	55,487	42.8%	28,004	-49.5%	28,004	0.00%
5047..***	36,245	28,848	-20.4%	48,000	66.4%	49,000	2.08%
5048..***	30,592	-	-100.0%	20,008	100.0%	20,008	0.00%
5049..***	1,481,192	1,322,804	-10.7%	1,400,000	5.8%	1,355,004	(3.21%)
5050..***	22,514	21,115	-6.2%	21,004	-0.5%	22,008	4.78%
5052..***	34,408	53,199	54.6%	100,024	88.0%	102,008	1.98%
5053..***	-	63,126	100.0%	60,000	-5.0%	59,996	(0.01%)
5054..***	24,175	18,953	-21.6%	41,004	116.3%	41,000	(0.01%)
5055..***	8,696	4,480	-48.5%	14,004	212.6%	14,996	7.08%
5056..***	343,870	357,142	3.9%	338,000	-5.4%	356,004	5.33%
5057..***	542,344	551,066	1.6%	537,881	-2.4%	663,000	23.26%
5058..***	71,872	49,636	-30.9%	68,037	37.1%	87,008	27.88%
5059..***	93,997	376,170	300.2%	1,102,391	193.1%	957,996	(13.10%)
5060..***	59,870	105,919	76.9%	72,000	-32.0%	74,000	2.78%
5061..***	4,506	1,949	-56.7%	2,036	4.5%	2,508	23.18%
5067..***	-	-	0.0%	35,000	100.0%	-	(100.00%)
5077..***	296,159	500	100.0%	-	-100.0%	-	0.00%
5068..***	22,508	22,462	-0.2%	24,484	9.0%	24,972	1.99%
5069..***	102,670	19,225	100.0%	7,996	-58.4%	60,004	650.43%
5076..***	-	-	0.0%	25,000	100.0%	20,992	(16.03%)
5101..***	1,925	274	-85.8%	1,004	266.7%	-	(100.00%)
5105..***	201,611	-	-100.0%	400,932	100.0%	325,000	(18.94%)
5301..***	162	-	-	-	-	-	-
5303..***	7,403	11,221	51.6%	14,400	28.3%	14,396	(0.03%)
5305..***	12,054	8,153	-32.4%	5,000	-38.7%	2,784	(44.32%)
5309..***	5,085	41,285	711.9%	31,004	-24.9%	21,800	(29.69%)
5705..***	31,631	29,735	-6.0%	28,740	-3.3%	28,184	(1.93%)
5706..***	-	-	0.0%	90,000	100.0%	-	(100.00%)
5802..***	659	1,094	66.0%	200	-81.7%	-	(100.00%)
6500..***	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	
Salary and Fringe										
-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
	Total Payroll Costs	2,711,944	176,460	158,788	60,332	1,693,904	3,184,420	-	171,716	8,157,564
Other Expenses										
-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
	Total Other Expenses	3,163,480	332,684	52,628	156,204	1,324,912	4,465,276	740	328,496	9,824,420
	Total Expenses	5,875,424	509,144	211,416	216,536	3,018,816	7,649,696	740	500,212	17,981,984

**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	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
		Actual	Actual	Actual	Budget	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
Total General Fund Expenses			472,524	558,757	553,533

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
Salary and Fringe						
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
	Total Payroll Costs	77,812	280,112	329,320	343,714	356,522
Other Expenses						
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
	Total Other Expenses	122,014	63,906	85,646	113,741	100,986
Total Residual Engineering Expenses		199,826	344,018	414,966	457,455	457,508

**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
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Capitalized Portion of Labor & Fringe

374,357	388,534
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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
Total IT Expenses	725,730	680,646	770,572	847,620	789,553
IT Allocations (Out) to PC's & Depts					
Total IT Allocations (Out) to PC's & Depts	(725,730)	(680,646)	(770,572)	(847,620)	(789,553)

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)

Member Agency	Total Avg. Flow To Date	Total Percent To Date
CSJC	2.166	36.57%
MNWD	1.400	23.64%
SCWD	1.639	27.67%
SMWD	0.718	12.12%
	5.923	100%

(1)

(1)

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

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

(1)

(1)

(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							
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
Member Agency Budget by Wastewater Code															
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)
Total	2,263,298	2,238,828	(24,470)	2,474,064	2,701,196	227,132	557,205	467,672	(89,533)	557,004	467,728	(89,276)	5,851,571	5,875,424	23,853
Budget Change vs. 2015-16 Actual			-1.1%			9.2%			-16.1%			-16.0%			0.4%

	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
Member Agency Wastewater Code Allocation %'s															
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%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**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

Member Agency Wastewater Code Allocation %'s	Fixed		
	FY 17-18 Actual	FY 19-20 Budget	Variance
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%
Total	100.0%	100.0%	0.0%

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

FY 2017-18 Use Audit Actuals		
Member Agency	Outfall Flows MGD	Outfall Flows %
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%
Total	11.561	100%

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

Description	Account #	Total	Wastewater Allocation %				
			Fixed	EPS	Var 5%	Var 95%	Total
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					
Total			509,144				

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
Member Agency Budget by Wastewater Code												
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)
Total	181,168	509,144	327,976	11,940	-	(11,940)	224,424	-	(224,424)	417,532	509,144	91,612

	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
Member Agency Wastewater Code Allocation %'s												
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%
Total	100.0%	100.0%	0.0%	100.0%	-	-100%	100.0%	-	-100.0%	100.0%	100.0%	0.0%

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				
Total		211,416		

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	
Member Agency Budget by Wastewater Code									
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
Total	1,908	2,160	252	146,947	209,256	62,309	148,855	211,416	62,561

	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	
Member Agency Wastewater Code Allocation %'s									
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%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**PC 12
Member Agency Allocation**

Recycled Water Projections FY 2019-20

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

(1)
(2)

*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				
Total		216,536		

**South Orange County Wastewater Authority
FY 2019-20 PC 12 (2SO) Distribution by Member Agency and 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
Member Agency Budget by Wastewater Code									
City of San Juan Capistrano	1,728	5,067	3,340	6,624	21,654	15,030	8,352	26,721	18,369
Irvine Ranch Water District	2,808	-	(2,808)	6,624	-	(6,624)	9,432	-	(9,432)
Moulton Niguel Water District	16,050	47,021	30,971	6,624	21,654	15,030	22,674	68,674	46,000
Santa Margarita Water District	16,246	47,584	31,338	6,624	21,654	15,030	22,870	69,237	46,367
South Coast Water District	1,784	5,208	3,424	6,624	21,654	15,030	8,408	26,861	18,454
Trabuco Canyon Water District	1,163	3,389	2,226	6,624	21,654	15,030	7,787	25,042	17,256
Total	39,778	108,268	68,490	39,744	108,268	68,524	79,521	216,536	137,015

	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
Member Agency Wastewater Code Allocation %'s									
City of San Juan Capistrano	4.3%	4.7%	0.3%	16.7%	20.0%	3.3%	10.5%	12.3%	1.8%
Irvine Ranch Water District	7.1%	0.0%	-7.1%	16.7%	0.0%	-16.7%	11.9%	0.0%	-11.9%
Moulton Niguel Water District	40.3%	43.4%	3.1%	16.7%	20.0%	3.3%	28.5%	31.7%	3.2%
Santa Margarita Water District	40.8%	43.9%	3.1%	16.7%	20.0%	3.3%	28.8%	32.0%	3.2%
South Coast Water District	4.5%	4.8%	0.3%	16.7%	20.0%	3.3%	10.6%	12.4%	1.8%
Trabuco Canyon Water District	2.9%	3.1%	0.2%	16.7%	20.0%	3.3%	9.8%	11.6%	1.8%
Total	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

Member Agency	Plant Flows MGD	Plant Flow %
CLB	1.596	57.73
EBSB	0.049	1.78
SCWD	1.120	40.49
MNWD	-	-
Total	2.765	100%

*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 %					Total
			Liquids	Solids	C/Liquids	C/Solids	AWT	
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								
Total		3,018,816						

**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
City of Laguna Beach	810,686	1,042,348	231,662	246,187	288,912	42,725	-	-	-	1,056,873	1,331,260	274,387
Emerald Bay Service District	25,039	32,168	7,129	19,420	22,780	3,360	-	-	-	44,459	54,948	10,489
Moulton Niguel Water District	-	-	-	190,024	222,912	32,888	-	-	-	190,024	222,912	32,888
South Coast Water District	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
Total	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
Budget Change vs. 2015-16 Actual			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
City of Laguna Beach	57.7%	57.7%	0.0%	37.9%	37.9%	0.0%	-	-	-	45.0%	44.1%	-0.9%
Emerald Bay Service District	1.8%	1.8%	0.0%	3.0%	3.0%	0.0%	-	-	-	1.9%	1.8%	-0.1%
Moulton Niguel Water District	0.0%	0.0%	0.0%	29.3%	29.3%	0.0%	-	-	-	8.1%	7.4%	-0.7%
South Coast Water District	40.5%	40.5%	0.0%	29.8%	29.9%	0.0%	100.0%	100.0%	0.0%	45.0%	46.7%	1.7%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**PC 17
Member Agency Allocation**

Flows & Solids Loading FY 2019-20

Liquids				
Member Agency	Plant Influent MGD	Centrate Flow MGD	Total Liquid Flow MGD	Liquid Flow %
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
	7.712164	0.088158	7.857312	100%

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

*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 %					Total
			Liquids	Solids	C/Liquids	C/Solids	AWT	
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) 4	17-5059-01-00-00	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
Member Agency Budget by Wastewater Code																		
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
Total	2,271,064	2,260,208	(10,856)	3,134,928	3,666,480	531,552	760,188	726,732	(33,456)	521,372	499,112	(22,260)	519,156	497,164	(21,992)	7,206,709	7,649,696	442,987
Budget Change vs. 2015-16 Actual			-0.5%			17.0%			-4.4%			-4.3%			-4.2%			6.1%

	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
Member Agency Wastewater Code Allocation %'s																		
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%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**South Orange County Wastewater Authority
FY 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		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	740	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%

Total

740

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

	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
Member Agency Budget by Wastewater Code									
El Toro Water District	252	248	(4)	56	56	-	308	304	4
Irvine Ranch Water District	252	248	(4)	56	56	-	308	304	4
Moulton Niguel Water District	-	-	-	129	132	3	129	132	(3)
Total	504	496	(8)	241	244	3	745	740	5

	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
Member Agency Wastewater Code Allocation %'s									
El Toro Water District	50.0%	50.0%	0.0%	23.3%	23.0%	-0.3%	41.4%	41.1%	-0.3%
Irvine Ranch Water District	50.0%	50.0%	0.0%	23.3%	23.0%	-0.3%	41.4%	41.1%	-0.3%
Moulton Niguel Water District				53.5%	54.1%	0.6%	17.3%	17.8%	0.6%
Total	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%

**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.

Member Agency Wastewater Code Allocation %'s	Fixed		
	FY 17-18 Actual	FY 19-20 Budget	Variance
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%
Total	100.0%	100.0%	0.0%

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

FY 2017-18 Use Audit Actuals		
Member Agency	Outfall Flows MGD	Variable Cost %
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
Total	8.98	100%

* 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				
Total			500,212			

**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
Member Agency Budget by Wastewater Code												
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
Total	178,919	500,212	321,293	10,393	-	(10,393)	195,972	-	(195,972)	385,285	500,212	114,927

	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
Member Agency Wastewater Code Allocation %'s												
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%
Total	100.0%	100.0%	0.0%	100.0%	0.0%	-100.0%	100.0%	0.0%	-100.0%	100.0%	100.0%	0.0%

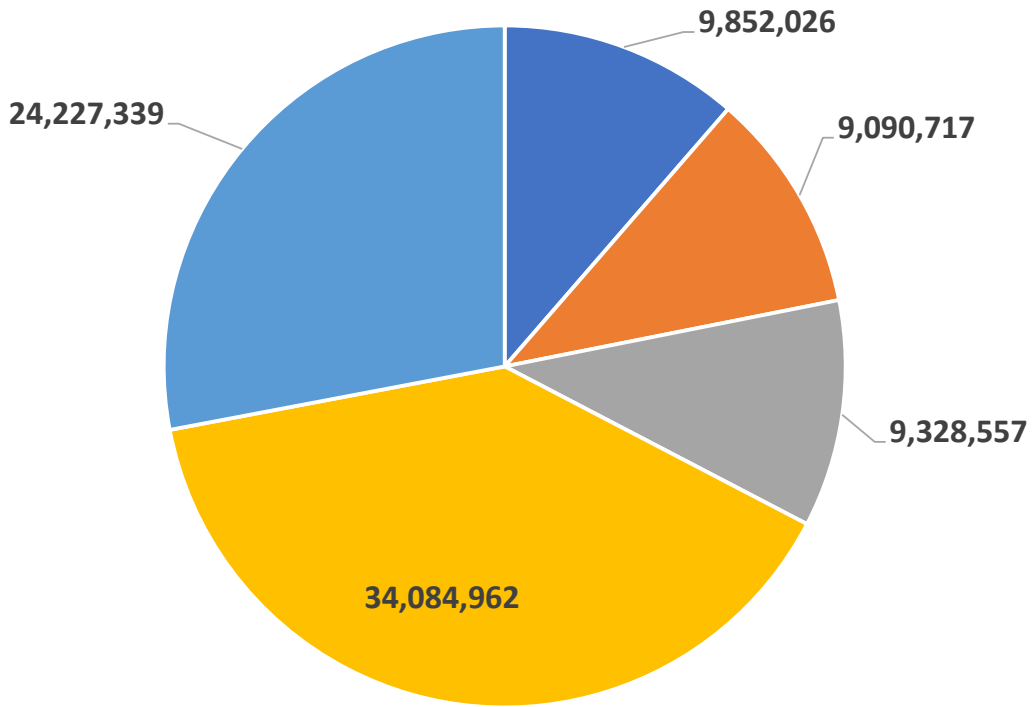
**South Orange County Wastewater Authority
FY 2019-20 Capital Budget w/1-Year Forecast by Member Agency**

	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 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	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/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

Total Capital Expenditures



- FY 2016-17 Actual Expenditures
- FY 2017-18 Actual Expenditures
- FY 2018-19 Forecast Expenditures
- FY 2019-20 Budget
- FY 2020-21 Forecast

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
Large Capital Projects					
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
*Non-Capital Engineering Projects (O&M Non-Operating Expense)					
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
*Small Internal Capital					
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
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	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
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
Total Liquids	610,633	912,354	1,215,952	918,092	3,657,031	3,657,031
Common						
3231-000 - Facility Improvements B - Common Upgrades Construction II	146,487	218,867	291,698	220,244	877,296	877,296
Total Common	146,487	218,867	291,698	220,244	877,296	877,296
Solids						
3224-000 - Digester No.4 Rehabilitation (2019)	168,057	167,397	167,326	168,450	671,230	1,334,230
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
Total Solids	851,990	1,189,269	1,529,240	1,196,749	4,767,248	5,430,248
Total PC 02 J B Latham	1,609,110	2,320,490	3,036,890	2,335,085	9,301,575	9,964,575
PC 15 Coastal Treatment Plant						
Liquids						
3525-000 - Personnel Building Reconstruction (2019)	69,454	-	-	-	69,454	162,954
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
3541-000 - Export Sludge System Construction (2020)	1,359,667	1,354,329	1,353,750	454,282	4,522,028	4,522,028
3553-000 - Plant Drainage Improvements (2017)	-	80,558	-	-	80,558	221,267
Total Liquids	2,593,294	3,174,290	3,671,963	2,204,624	11,644,171	11,878,380
Total PC 15 Coastal Treatment Plant	2,593,294	3,174,290	3,671,963	2,204,624	11,644,171	11,878,380

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
PC 17 Joint Regional Wastewater Reclamation Liquids						
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
Total Liquids	1,598,773	2,932,370	2,487,409	898,465	7,917,017	10,720,444

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
Common						
3761-000 - External Lighting Upgrade	90,175	-	-	-	90,175	374,212
3769-000 - Trailer Drain Line (2020)	55,766	-	-	-	55,766	55,766
Total Common	145,941	-	-	-	145,941	429,978
Solids						
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
Total Solids	519,699	485,401	394,413	354,637	1,754,150	2,140,848
Total PC 17 Joint Regional Wastewater Reclamation	2,264,413	3,417,771	2,881,822	1,253,102	9,817,108	13,291,270

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
PC 21 Effluent Transmission Main						
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
Total PC 21 Effluent Transmission Main	114,193	113,745	61,075	40,652	329,665	329,665
PC 24 Aliso Creek Ocean Outfall						
3408-000 - Sampling System Repair (2020)	53,231	53,022	-	-	106,253	106,253
Total PC 24 Aliso Creek Ocean Outfall	53,231	53,022	-	-	106,253	106,253
FY 19-20 Total Work Plan	6,634,241	9,079,318	9,651,750	5,833,463	31,198,772	35,570,143

**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
PC 02 J B Latham						
Liquids						
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
Total Liquids	35,487	164,115	113,570	-	313,172	313,172
Common						
4204-000 - Electrical Manhole Condition Assessment (2020)	-	45,447	45,428	-	90,875	90,875
Total Common	-	45,447	45,428	-	90,875	90,875
Solids						
4214-000 - Solids Management Plan (2020)	-	50,497	50,475	-	100,972	100,972
Total Solids	-	50,497	50,475	-	100,972	100,972
Total PC 02 J B Latham	35,487	260,059	209,473	-	505,019	505,019
PC 05 San Juan Creek Ocean Outfall						
4601-000 - Monitoring Evaluation Options (2020)	-	37,873	37,857	-	75,730	75,730
Total PC 05 San Juan Creek Ocean Outfall	-	37,873	37,857	-	75,730	75,730
PC 15 Coastal Treatment Plant						
Liquids						
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
Total Liquids	60,835	35,348	-	-	96,183	96,183
Total PC 15 Coastal Treatment Plant	60,835	35,348	-	-	96,183	96,183
PC 17 Joint Regional Wastewater Reclamation						
Common						
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
Total Common	45,626	80,795	35,333	-	161,754	161,754
Total PC 17 Joint Regional Wastewater Reclamation	45,626	80,795	35,333	-	161,754	161,754
FY 19-20 Total Work Plan	141,948	414,075	282,663	-	838,686	838,686

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

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
PC 02 J B Latham					
Liquids					
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	63,000	63,000	63,000	63,000	252,000
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	53,125	53,125	53,125	53,125	212,500
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	55,125	55,125	55,125	55,125	220,500
Total PC 02 J B Latham	171,250	171,250	171,250	171,250	685,000

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

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
PC 05 San Juan Creek Ocean Outfall					
2620-001 - Fecal Incubator Replacement (between 5 and 24)	688	688	688	688	2,752
Total PC 05 San Juan Creek Ocean Outfall	688	688	688	688	2,752
PC 15 Coastal Treatment Plant					
Liquids					
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
Total Liquids	107,500	107,500	107,500	107,500	430,000
Common					
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
Total Common	37,750	37,750	37,750	37,750	151,000
AWT					
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
Total AWT	10,000	10,000	10,000	10,000	40,000
Total PC 15 Coastal Treatment Plant	155,250	155,250	155,250	155,250	621,000

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

	1st QTR	2nd QTR	3rd QTR	4th QTR	Total Work Plan
PC 17 Joint Regional Wastewater Reclamation					
Liquids					
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
Total Liquids	79,000	79,000	79,000	79,000	316,000
Common					
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 Mordernization - Phase 2	3,750	3,750	3,750	3,750	15,000
Total Common	41,250	41,250	41,250	41,250	165,000
Solids					
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
Total Solids	55,000	55,000	55,000	55,000	220,000
AWT					
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
Total AWT	8,750	8,750	8,750	8,750	35,000
Total PC 17 Joint Regional Wastewater Reclamation	184,000	184,000	184,000	184,000	736,000
PC 24 Aliso Creek Ocean Outfall					
2620-001 - Fecal Incubator Replacement (between 5 and 24)	688	688	688	688	2,752
Total PC 24 Aliso Creek Ocean Outfall	688	688	688	688	2,752
FY 19-20 Small Capital Total	511,876	511,876	511,876	511,876	2,047,504

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

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
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	-	-	-	-	137,141	137,142	55,382	-	-	329,664
PC 24 Aliso Creek Ocean Outfall	11,687	-	-	829	17,320	16,745	46,592	13,080	-	106,253
Total Large Capital Work Plan	4,632,011	-	2,821,980	359,248	527,457	153,887	14,641,912	5,876,061	2,186,216	31,198,772
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
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	46,606	12,586	162,656	3,406	16,596	-	280,669	137,178	178,989	838,686

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	255,608	456	208,564	19,208	62,264	432	934,228	410,792	155,952	2,047,504
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	4,934,225	13,042	3,193,200	381,862	606,317	154,319	15,856,809	6,424,031	2,521,157	34,084,962

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
Large Capital										
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
Total Large Capital Work Plan	1,056,445	-	487,996	81,375	175,714	54,382	3,180,534	1,216,868	380,929	6,634,243
Non-Capital Engineering Projects (Non-Operating O&M)										
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
Total Non-Capital Engineering Work Plan	25,924	-	10,919	1,967	4,681	-	61,633	6,142	30,683	141,949

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

	CLB	CSC	CSJC	EBSJ	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,902	114	52,141	4,802	15,566	108	233,557	102,698	38,988	511,876
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	1,146,271	114	551,056	88,144	195,961	54,490	3,475,724	1,325,708	450,600	7,288,068

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Large Capital										
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
Total Large Capital Work Plan	1,263,682	-	704,007	98,033	153,526	54,169	4,708,448	1,552,055	545,398	9,079,318
Non-Capital Engineering Projects (Non-Operating O&M)										
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
Total Non-Capital Engineering Work Plan	18,467	6,294	83,651	1,322	8,290	-	138,286	69,901	87,864	414,075

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

	CLB	CSC	CSJC	EBSJ	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,902	114	52,141	4,802	15,566	108	233,557	102,698	38,988	511,876
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	1,346,051	6,408	839,799	104,157	177,382	54,277	5,080,291	1,724,654	672,250	10,005,269

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
Large Capital										
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	-	-	-	-	-	-	-	-	-	-
Total Large Capital Work Plan	1,436,311	-	921,542	111,938	105,510	25,010	4,481,086	1,859,292	711,060	9,651,749
Non-Capital Engineering Projects (Non-Operating O&M)										
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
Total Non-Capital Engineering Work Plan	2,215	6,292	68,086	117	3,625	-	80,751	61,135	60,442	282,663

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

	CLB	CSC	CSJC	EBSJ	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,902	114	52,141	4,802	15,566	108	233,557	102,698	38,988	511,876
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	1,502,428	6,406	1,041,769	116,857	124,701	25,118	4,795,394	2,023,125	810,490	10,446,288

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Large Capital										
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	-	-	-	-	-	-	-	-	-	-
Total Large Capital Work Plan	875,573	-	708,435	67,902	92,707	20,326	2,271,844	1,247,846	548,829	5,833,462
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										
Common	-	-	-	-	-	-	-	-	-	-
Total PC 17 Joint Regional Wastewater Reclamation	-	-	-	-	-	-	-	-	-	-
Total Non-Capital Engineering Work Plan	-	-	-	-	-	-	-	-	-	-

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

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,902	114	52,141	4,802	15,566	108	233,557	102,698	38,988	511,876
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	939,475	114	760,576	72,704	108,273	20,434	2,505,401	1,350,544	587,817	6,345,338

**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
PC 02 J B Latham						
Liquids						
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
Total Liquids	1,616,416	1,615,764	779,558	312,417	4,324,155	4,324,155
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
Total Common	237,600	219,758	190,558	117,607	765,523	765,523
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
Total Solids	1,857,924	1,857,174	997,285	487,758	5,200,141	5,200,141
Total PC 02 J B Latham	3,711,940	3,692,696	1,967,401	917,782	10,289,819	10,289,819

**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
PC 05 San Juan Creek Ocean Outfall						
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
Total PC 05 San Juan Creek Ocean Outfall	104,057	-	191,814	192,828	488,699	591,273
PC 15 Coastal Treatment Plant Liquids						
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
Total Liquids	1,799,435	2,336,764	1,712,410	1,343,311	7,191,920	7,470,383
AWT						
3546-000 - Chlorine Contact Basin Gates (2021)	47,680	-	191,468	-	239,148	239,148
Total AWT	47,680	-	191,468	-	239,148	239,148
Total PC 15 Coastal Treatment Plant	1,847,115	2,336,764	1,903,878	1,343,311	7,431,068	7,709,531

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
PC 17 Joint Regional Wastewater Reclamation Liquids						
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
Total Liquids	190,122	-	359,742	751,776	1,301,640	2,035,088
Common						
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
Total Common	44,757	-	360,057	520,105	924,919	1,387,510
Solids						
37001-000 - MCC A, C, G, H Replacement (Solids) (2021)	-	-	-	111,325	111,325	436,964
Total Solids	-	-	-	111,325	111,325	436,964
Total PC 17 Joint Regional Wastewater Reclamation	234,879	-	719,799	1,383,206	2,337,884	3,859,562

**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
PC 21 Effluent Transmission Main						
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
Total PC 21 Effluent Transmission Main	292,113	291,997	-	104,635	688,745	1,607,206
FY 20-21 Total Work Plan	6,190,104	6,321,457	4,782,892	3,941,762	21,236,215	24,057,391

**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
PC 02 J B Latham						
Liquids						
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
Total Liquids	192,747	50,703	117,121	-	360,571	360,572
Common						
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
Total Common	-	136,898	137,490	-	274,388	274,388
Total PC 02 J B Latham	192,747	187,601	254,611	-	634,959	634,959
PC 05 San Juan Creek Ocean Outfall						
4602-000 - Landfall Condition Assessment (2021)	-	52,325	-	-	52,325	52,326
Total PC 05 San Juan Creek Ocean Outfall	-	52,325	-	-	52,325	52,326
PC 15 Coastal Treatment Plant						
Liquids						
4503-000 - Storage Evaluation (2021)	30,434	-	-	-	30,434	30,435
Total Liquids	30,434	-	-	-	30,434	30,434
Total PC 15 Coastal Treatment Plant	30,434	-	-	-	30,434	30,434
PC 17 Joint Regional Wastewater Reclamation						
Liquids						
4701-000 - Interstage Pump Station Condition Assessment (2021)	52,346	-	-	-	52,346	52,347
Total Liquids	52,346	-	-	-	52,346	52,347
Common						
4702-000 - Site Storage Evaluation (2021)	-	40,562	40,738	-	81,300	81,301
Total Common	-	40,562	40,738	-	81,300	81,300
Total PC 17 Joint Regional Wastewater Reclamation	52,346	40,562	40,738	-	133,646	133,646
PC 24 Aliso Creek Ocean Outfall						
4401-000 - Creek Section Pipeline Replacement Estimate Update (202	-	50,703	-	-	50,703	50,704
Total PC 24 Aliso Creek Ocean Outfall	-	50,703	-	-	50,703	50,703
FY 20-21 Total Work Plan	275,527	331,191	295,349	-	902,067	902,067

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

	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
Large Capital										
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
Total Large Capital Work Plan	2,796,972	81,222	3,177,301	461,991	218,393	344,373	6,562,780	2,615,587	4,977,597	21,236,215
Non-Capital Engineering Projects (Non-Operating O&M)										
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
Total Non-Capital Engineering Work Plan	22,212	8,697	200,114	16,606	1,572	7,991	299,650	148,276	196,950	902,067

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	254,353	-	237,286	67,000	19,019	-	875,901	180,622	454,876	2,089,057
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	3,073,538	89,918	3,614,700	545,596	238,984	352,363	7,738,331	2,944,485	5,629,422	24,227,339

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
Large Capital										
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
Total Large Capital Work Plan	684,980	17,294	1,138,459	150,649	53,862	146,057	1,595,466	907,406	1,495,931	6,190,104
Non-Capital Engineering Projects (Non-Operating O&M)										
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	-	-	-	-	-	-	-	-	-	-
Total Non-Capital Engineering Work Plan	11,538	-	59,307	-	908	-	105,730	33,360	64,685	275,528

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
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,588	-	59,321	16,750	4,754	-	218,976	45,155	113,719	522,264
SOCWA Total Capital										
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	-	-	-	-	-	-	-	-	-	-
SOCWA Total Capital Work Plan	760,106	17,294	1,257,088	167,399	59,525	146,057	1,920,171	985,921	1,674,335	6,987,896

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
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	-	-	-	-	-	-	-	-	-	-
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
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
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
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
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

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
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,588	-	59,321	16,750	4,754	-	218,975	45,155	113,719	522,263
SOCWA Total Capital										
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
SOCWA Total Capital Work Plan	957,586	8,697	1,243,399	175,175	75,038	153,989	1,830,435	965,280	1,765,313	7,174,912

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
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
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	-	-	-	-	-	-	-	-	-	-
Total Large Capital Work Plan	671,758	31,879	618,203	36,942	52,305	-	1,609,861	546,478	1,215,466	4,782,892
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	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Total Non-Capital Engineering Work Plan	2,554	-	77,813	4,180	134	-	89,584	51,678	69,406	295,349

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,588	-	59,321	16,750	4,754	-	218,975	45,155	113,719	522,263
SOCWA Total Capital										
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										
Liquids	-	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										
Liquids	-	-	-	-	-	-	-	-	-	-
PC 24 Aliso Creek Ocean Outfall										
Liquids	-	-	-	-	-	-	-	-	-	-
SOCWA Total Capital Work Plan	737,900	31,879	755,337	57,872	57,194	-	1,918,420	643,311	1,398,590	5,600,504

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
Large Capital										
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
Total Large Capital Work Plan	554,356	32,048	299,555	128,402	42,472	52,318	1,850,329	304,816	677,466	3,941,762
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	-	-	-	-	-	-	-	-	-	-

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

	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SMWD	SCWD	TOTAL
Small Internal Capital										
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
Total Small Internal Capital Work Plan	63,588	-	59,321	16,750	4,754	-	218,975	45,155	113,719	522,263
SOCWA Total Capital										
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	-	-	-	-	-	-	-	-	-	-
SOCWA Total Capital Work Plan	617,945	32,048	358,877	145,152	47,226	52,318	2,069,304	349,972	791,186	4,464,027