

**Operations & Maintenance Budget
And
Capital Improvement Program
Fiscal Year 2018/2019**

Board of Directors

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**VALLEY SANITARY DISTRICT
FISCAL YEAR 2018/2019 BUDGET**

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER

June 12, 2018

The budget narrative is organized in the following sections:

- 1.0 Executive Summary
- 2.0 Operations & Maintenance Budget
- 3.0 Five Year Capital Improvement Program Budget
- 4.0 Fiscal Year 2018/2019 Budget
- 5.0 Annual Sewer Use Fee
- 6.0 Connection Capacity Charge
- 7.0 Reserve Funds
- 8.0 Recommendations

1.0 Executive Summary

The Fiscal Year 2018/2019 draft budget is presented to the Valley Sanitary District Board of Directors for review, discussion, and consideration.

The Operations and Maintenance budget for fiscal year 2018/2019 is projected to be \$9,532,340 (including depreciation) an increase of 10.68 percent (10.68%), or \$919,936 from the prior year. Key increases include the 2.70 percent (2.70%) COLA, security services, and depreciation (addition of Requa Interceptor Project).

Capital expenditures in Fund 11 are projected to be \$4,872,146 a decrease of 8.42 percent (8.42%), or \$308,400, from the prior year. A total of \$3,973,200 will be invested in the Capital Replacement Reserve Fund 12.

It is recommended that the salaries and standby pay be raised 2.70 percent (2.70%) to reflect the COLA increase with applicable merit increases for all employees.

It is recommended that the Sewer Use Fee remain the same at \$313 per equivalent dwelling unit (EDU).

It is recommended that the Capacity Connection Charge remain the same at \$4,265 per EDU.

The following is a discussion of the highlights of the proposed budget.

2.0 Operations and Maintenance Budget

Salaries & Standby Pay

The proposed budget allows for a cost of living adjustment of 2.70 percent (2.70%), based on the consumer price index from January 2017 to December 2017. The salary schedules in Section 2, on Page 2.3 and 2.4, reflect an across the board 2.70 percent (2.70%) increase. In order to update the salary schedule on page 2.3 to reflect a 5% merit

VALLEY SANITARY DISTRICT FISCAL YEAR 2018/2019 BUDGET

increase for eligible employees, a second chart was created. The new salary schedule was adopted on June 14, 2016 for employees hired on or after July 1, 2016. Employees hired on or before June 30, 2016 will continue to use the salary schedule on page 2.3. The proposed budget allows for merit increases for all eligible employees.

Retirement Benefits

On January 1, 2013, California law created a mandatory two (2) tiered CalPERS pension system, requiring any new employee to CalPERS be placed in Tier 2 (2% @ 62) plan. Existing CalPERS members are eligible for the Tier 1 (2.5% @ 55) plan. The District currently maintains two (2) different mandatory retirement plans, as shown in Table 1.

Table 1: District Mandatory Retirement Plans

Plan Name	Type	Participants	Comment
Tier 1 - CalPERS 2.5% @ 55	Defined benefit	18	Legacy members in CalPERS
Tier 2 - CalPERS 2% @ 62	Defined benefit	10	New members in CalPERS

Any new employee who is not vested in the legacy CalPERS retirement system shall be placed in the Tier 2 Plan.

Table 2 illustrates the CalPERS retirement summary for the legacy CalPERS employees (Tier 1) for fiscal years 2011/2012 through 2018/2019.

**Table 2: CalPERS Contribution Summary
Tier 1 – Legacy CalPERS Employees**

	2011/2012 Fiscal Year	2012/2013 Fiscal Year	2013/2014 Fiscal Year	2014/2015 Fiscal Year	2015/2016 Fiscal Year	2016/2017 Fiscal Year	2017/2018 Fiscal Year	2018/2019 Fiscal Year
District Contribution Established by CalPERS (Legacy members)	19.169%	19.662%	20.587%	16.035%	14.031%	15.272%	16.000%	10.832%
Employee Rate (2.5% at 55) (Legacy members)	8%	8%	8%	8%	8%	8%	8%	8%
Total Contribution (19.169+8%) (Legacy members)	27.169%	27.662%	28.587%	24.035%	22.031%	23.272%	24.000%	18.832%
	(19.169+8%)	(19.662+8%)	(20.587+8%)	(20.504+8%)	(14.031+8%)	(15.272+8%)	(16.000+8%)	(10.832+8%)

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Table 3 illustrates the CalPERS retirement summary for the new CalPERS member employees (Tier 2) for fiscal years 2011/2012 through 2018/2019.

**Table 3: CalPERS Contribution Summary
Tier 2 – New CalPERS Member Employees**

	2011/2012 Fiscal Year	2012/2013 Fiscal Year	2013/2014 Fiscal Year	2014/2015 Fiscal Year	2015/2016 Fiscal Year	2016/2017 Fiscal Year	2017/2018 Fiscal Year	2018/2019 Fiscal Year
District Contribution Established by CalPERS (New members)	-	-	6.70%	6.70%	6.73%	6.945%	7.300%	10.203%
Employee Rate (2.0% at 62) (New members)	-	-	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%
Total Contribution (New members)	-	-	13.200% (6.70+6.5%)	13.200% (6.70+6.5%)	13.230% (6.73+6.5%)	13.445% (6.945+6.5%)	13.800% (7.300+6.5%)	16.703% (10.203+6.5%)

3.0 Five Year Capital Improvement Program Budget

Section 8 contains the proposed 2018/2019 budget for the Five Year Capital Improvement Program.

In July 2016, the District began construction of the Requa Sewer Project. It was completed in December 2017. The District is using a loan from the Clean Water State Revolving Fund (SRF) for this project. The current interest rate is 1.7%. A \$12.75 million loan for 30 years at the 1.7% interest rate will result in an estimated annual payment of \$545,648, with the first payment being due June 1, 2019. A reserve account has been set up in Fund 11 to repay the SRF loan per instructions from the State Water Board. Please refer to page 7.3 of the capital budget.

To date, the Capital Replacement Fund (Fund 12) and Capital Improvement Fund (Fund 13) have enabled the District to invest approximately \$108 million in the renovations and expansions of the District's collection and treatment facilities since 1998 with approximately \$97 million in the past ten (10) years.

4.0 Fiscal Year 2018/2019 Budget

The Fiscal Year budget continues the best practices and budgeting methods from years past at the District. Continued evaluation of increased efficiencies, improved work methods, and judicious use of funds and resources continue. Opportunities to reduce costs, improve efficiency, and provide better value for the District and rate payers continue with this recommended budget.

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5.0 Annual Sewer Use Fee

The Fiscal Year budget discusses the current status of the sewer rates. Figure 1 presents the historical view of the relationship of the equivalent dwelling units (EDU), consumer price index (CPI), historical annual sewer user fee and projected sewer use fee.

Figure 1: Historical Graph of Annual Sewer Use Fee

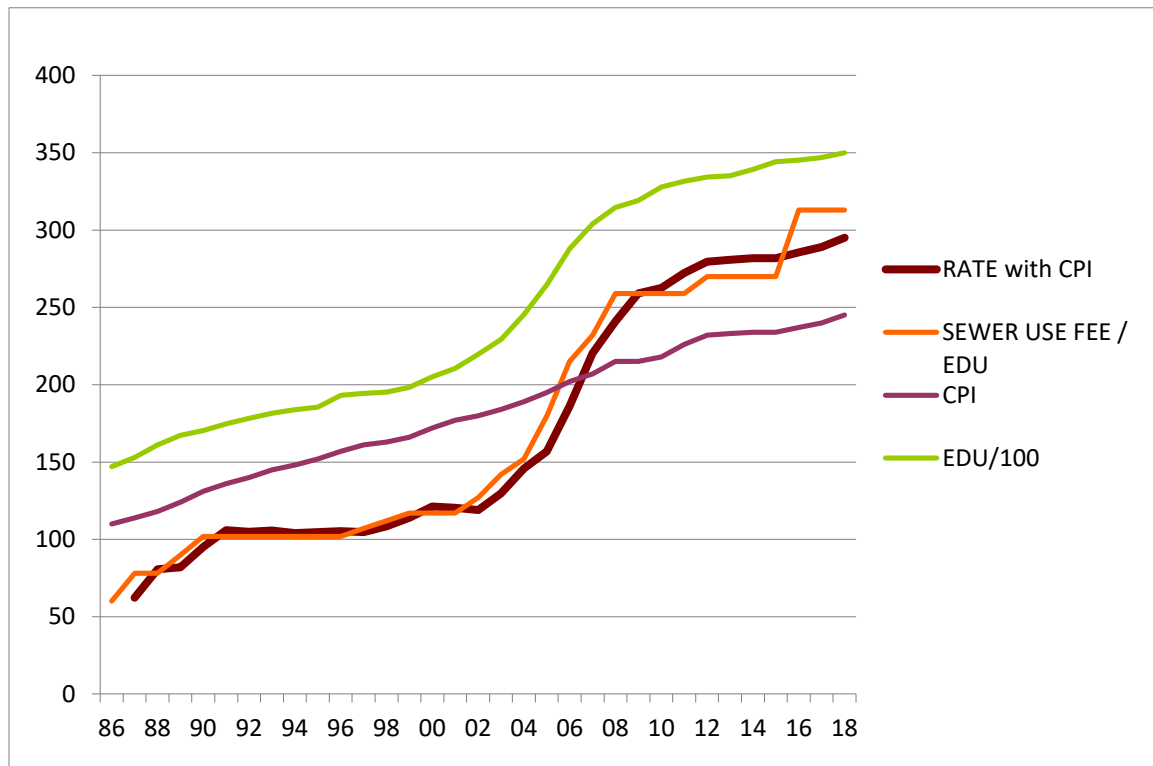


Figure 1 shows the historical relationships. Keeping rates stable is admirable; however, caution must be exercised in retaining flat sewer use fees for long periods of time when external upward pressures due to increased costs, additional regulations, safety requirements and the need to repair and maintain an aging system are required.

Comparable residential sewer use fees from other local agencies are:

Mission Springs Water District	\$573. (increases to \$602 by 2020)
City of Coachella	\$552.
City of Beaumont	\$438.
Desert Water Agency (Cathedral City)	\$415.
Coachella Valley Water District	\$321.
Valley Sanitary District	\$313.
City of Palm Springs	\$276. (increases to \$420 by 2031)
City of Banning	\$271.

**VALLEY SANITARY DISTRICT
FISCAL YEAR 2018/2019 BUDGET**

6.0 Connection Capacity Charge

The current connection capacity charge is \$4,265 per equivalent dwelling unit (EDU). This charge is levied against new development to “buy in” to the existing system, so that growth pays for growth. A review of other local agency capacity connections charges is:

Desert Water Agency (Cathedral City)	\$5,380.
City of Beaumont	\$5,125.
Coachella Valley Water District	\$4,851.
Valley Sanitary District	\$4,265.
City of Coachella	\$4,142.
City of Palm Springs	\$3,000.
City of Banning	\$2,786.
Mission Springs Water District	\$2,520.

7.0 Summary of Reserve Funds*

Prudent financial planning and fiscal responsibility includes anticipating and preparing for future funding requirements as well as unforeseen and unexpected emergencies, disasters, and other events. Valley Sanitary District has the following balances in its reserve funds as of June 1, 2018:

Reserve Fund Description	Beginning Balance	2017/2018 Addition (Subtraction)	2017/2018 Year End Balance
Fund 11			
Operating Reserve Fund (50% or six months of O & M budget)	\$4,251,000	\$56,000	\$4,307,000
Emergency Reserve Fund (5% of O & M budget)	426,000	5,000	431,000
Debt Service Reserve Fund (Fund 06 wastewater bond annual payment)	469,000	0	469,000
Debt Service Reserve Fund (CSWRCB annual payment)	514,000	545,648	1,059,648
Fund 12			
Capital Replacement Reserve Fund (40% of O & M budget annual contribution)	17,150,872	3,644,000	20,794,872
Debt Service Reserve Fund (annual payments)	430,000	0	430,000
Vehicle & Equipment Replacement Reserve Fund (O & M budget annual contribution less current year expenses)	716,084	185,875	901,959
Total	\$20,531,255	\$4,424,339	\$27,777,327

*As per Resolution No. 2013-1040 approved by the VSD Board of Directors on April 9, 2013.

**VALLEY SANITARY DISTRICT
FISCAL YEAR 2018/2019 BUDGET**

8.0 Recommendations

8.1 Fiscal Year 2018/2019 Salary Adjustment

The recommendation is to approve the salary schedules on pages 2.3 and 2.4 that provide for a cost of living increase of 2.7 percent (2.7%) and allow applicable step increases for eligible employees.

8.2 Fiscal Year 2018/2019 Pension Contribution

The recommendation is to pay the normal cost of the employer contribution to the CalPERS Retirement Plan of 10.832 percent (10.832%) for Tier I CalPERS members (due to the five (5) year fresh start payment to the Unfunded Accrued Liability (UAL)) and increase the employer contribution to 10.203 percent (10.203%) for Tier II CalPERS members. The employee contribution will be solely funded by employees at 8 percent (8%) for Tier I CalPERS members and 6.5 percent (6.5%) for Tier II CalPERS members.

8.3 Adoption of Five Year Capital Plan

The recommendation is to adopt the Five Year Capital Improvement Program (2018/2019 - 2022/2023).

8.4 Adoption of the Sewer User Fee

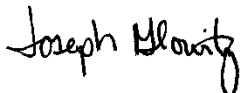
The recommendation is to maintain the annual sewer use fee at \$313.00 per EDU per year (\$26.08 per month).

8.5 Adoption of the Capacity Connection Charge

The recommendation is to maintain the connection capacity charge at \$4,265 per equivalent dwelling unit (EDU).

My sincere thanks to all employees who assisted in the budget preparation process, as their input has been invaluable.

Respectfully submitted,



Joseph Glowitz, PE, PMP
General Manager

Summary of Calculations for Sewer Use Fees

Fund 11 O & M	2018/2019 O & M Budget	7,024,340	
Fund 11	Depreciation	2,508,000	
Fund 11 O & M	Capital expenditures	898,946	
Fund 11	Capital reserve fund (40%)	3,973,200	
Projected Totals			14,404,486
Less Depreciation			(2,508,000)
Revenue Requirement			11,896,486

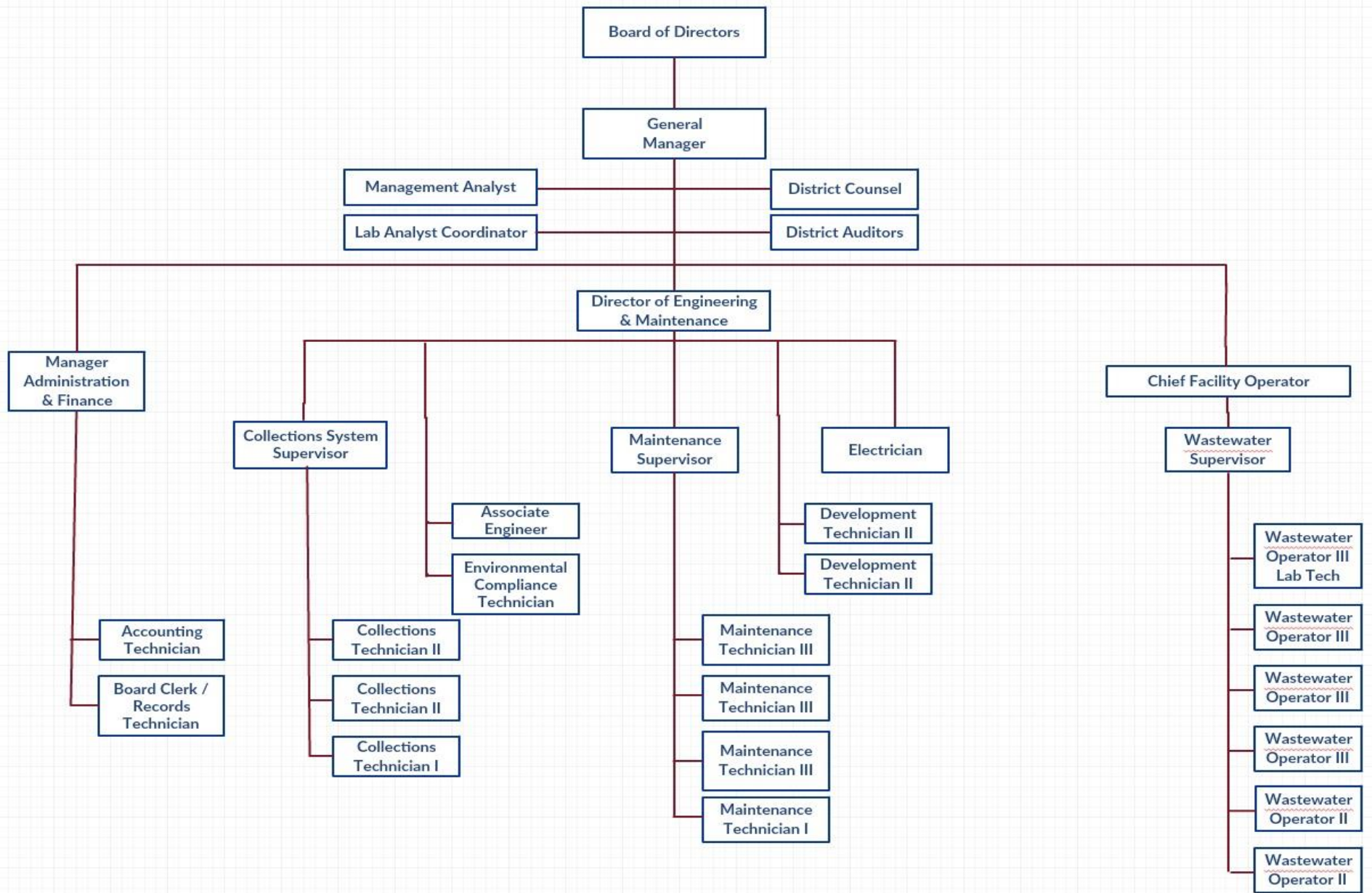
11-4430-000-0	Taxes-current secured	700,000	
11-4440-000-0	Taxes-current unsecured	21,000	
11-4450-000-0	Taxes-prior secured	6,000	
11-4460-000-0	Taxes-prior unsecured	-	
11-4465-000-0	Taxes-penalties	1,500	
11-4470-000-0	Taxes-supplemental current	7,000	
11-4480-000-0	Taxes-supplemental prior	3,200	
11-4500-000-0	Homeowner's Tax Relief	6,000	
11-4510-000-0	Interest revenue	140,000	
11-4574-000-0	Non-operating income	500	
Less other taxes, interest & non-operating income			(885,200)

REVENUE REQUIREMENT	11,011,286
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2018/2019 EDUs	
TAX ROLLS	32,842
DIRECT BILLING (Including CRH)	2,318
TOTAL PROJECTED EDUs	35,160

TOTAL REVENUE REQUIREMENT	11,011,286
Divided by EDUs	35,160
SEWER USE FEE per EDU	\$313.18

SEWER USE FEE per EDU - ADOPTED	\$313.00
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STAFFING RANGE ASSIGNMENTS

JOB CLASSIFICATION	RANGE	POSITIONS
ACCOUNTING TECHNICIAN	10	1
ADMINISTRATION & FINANCE MANAGER	18	1
ASSISTANT ENGINEER	14	1
CLERK OF THE BOARD/ACCOUNTING CLERK	8	1
CHIEF FACILITY OPERATOR	18	1
COLLECTION SYSTEMS IN-TRAINING	5	0
COLLECTION SYSTEMS TECH I	8	1
COLLECTION SYSTEMS TECH II	10	2
COLLECTION SYSTEMS TECH III	12	0
COLLECTION SYSTEMS SUPERVISOR	16	1
DEVELOPMENT SERVICES TECHNICIAN I	12	0
DEVELOPMENT SERVICES TECHNICIAN II	16	2
ELECTRICIAN/INSTRUMENTATION TECH III	14	1
ENVIRONMENTAL COMPLIANCE TECHNICIAN I	12	0
ENVIRONMENTAL COMPLIANCE TECHNICIAN II	16	1
GENERAL MANAGER	Board Established	1
DIRECTOR OF ENGINEERING & MAINTENANCE	25	1
DIRECTOR OF OPERATIONS	25	0
LABORATORY ANALYST/COORDINATOR	14	1
MAINTENANCE TECH I	7	1
MAINTENANCE TECH II	9	0
MAINTENANCE TECH III	11	3
MAINTENANCE SUPERVISOR	16	1
MANAGEMENT ANALYST I	12	1
WASTEWATER OPERATOR-IN-TRAINING	5	0
WASTEWATER OPERATOR I	8	0
WASTEWATER OPERATOR II	10	2
WASTEWATER OPERATOR III	12	3
WASTEWATER OPERATOR III/LAB TECHNICIAN	14	1
WASTEWATER OPERATIONS SUPERVISOR	14	1
TOTAL POSITIONS		29

VALLEY SANITARY DISTRICT										2018/2019 SALARY SCHEDULE					
FOR EMPLOYEES HIRED ON OR BEFORE 6/30/2016															
LEGACY	a	b	c	d	e	f	g	h	i	j	k	l	m	n	
1	2,885	2,958	3,032	3,106	3,183	3,261	3,342	3,424	3,510	3,595	3,685	3,775	3,869	3,964	
2	3,032	3,106	3,183	3,261	3,342	3,424	3,510	3,595	3,685	3,775	3,869	3,964	4,063	4,162	
3	3,183	3,261	3,342	3,424	3,510	3,595	3,685	3,775	3,869	3,964	4,063	4,162	4,266	4,370	
4	3,342	3,424	3,510	3,595	3,685	3,775	3,869	3,964	4,063	4,162	4,266	4,370	4,478	4,588	
5	3,510	3,595	3,685	3,775	3,869	3,964	4,063	4,162	4,266	4,370	4,478	4,588	4,702	4,818	
6	3,685	3,775	3,869	3,964	4,063	4,162	4,266	4,370	4,478	4,588	4,702	4,818	4,937	5,059	
7	3,869	3,964	4,063	4,162	4,266	4,370	4,478	4,588	4,702	4,818	4,937	5,059	5,184	5,312	
8	4,063	4,162	4,266	4,370	4,478	4,588	4,702	4,818	4,937	5,059	5,184	5,312	5,444	5,577	
9	4,266	4,370	4,478	4,588	4,702	4,818	4,937	5,059	5,184	5,312	5,444	5,577	5,716	5,856	
10	4,478	4,588	4,702	4,818	4,937	5,059	5,184	5,312	5,444	5,577	5,716	5,856	6,002	6,149	
11	4,702	4,818	4,937	5,059	5,184	5,312	5,444	5,577	5,716	5,856	6,002	6,149	6,302	6,456	
12	4,937	5,059	5,184	5,312	5,444	5,577	5,716	5,856	6,002	6,149	6,302	6,456	6,617	6,779	
13	5,184	5,312	5,444	5,577	5,716	5,856	6,002	6,149	6,302	6,456	6,617	6,779	6,948	7,118	
14	5,444	5,577	5,716	5,856	6,002	6,149	6,302	6,456	6,617	6,779	6,948	7,118	7,294	7,474	
15	5,716	5,856	6,002	6,149	6,302	6,456	6,617	6,779	6,948	7,118	7,294	7,474	7,661	7,848	
16	6,002	6,149	6,302	6,456	6,617	6,779	6,948	7,118	7,294	7,474	7,661	7,848	8,042	8,240	
17						7,118		7,474		7,848		8,240		8,652	
18						7,474		7,848		8,240		8,652		9,085	
19						7,848		8,240		8,652		9,085		9,539	
20						8,240		8,652		9,085		9,539		10,016	
21						8,652		9,085		9,539		10,016		10,517	
22						9,085		9,539		10,016		10,517		11,043	
23						9,539		10,016		10,517		11,043		11,595	
24						10,016		10,517		11,043		11,595		12,175	
25						10,517		11,043		11,595		12,175		12,783	
26						11,043		11,595		12,175		12,783		13,422	
27						11,595		12,175		12,783		13,422		14,094	

FOR EMPLOYEES HIRED ON OR AFTER 7/1/2016

NEW	A	B	C	D	E	F	G
1	2,958	3,106	3,261	3,424	3,595	3,775	3,964
2	3,106	3,261	3,424	3,595	3,775	3,964	4,162
3	3,261	3,424	3,595	3,775	3,964	4,162	4,370
4	3,424	3,595	3,775	3,964	4,162	4,370	4,588
5	3,595	3,775	3,964	4,162	4,370	4,588	4,818
6	3,775	3,964	4,162	4,370	4,588	4,818	5,059
7	3,964	4,162	4,370	4,588	4,818	5,059	5,312
8	4,162	4,370	4,588	4,818	5,059	5,312	5,577
9	4,370	4,588	4,818	5,059	5,312	5,577	5,856
10	4,588	4,818	5,059	5,312	5,577	5,856	6,149
11	4,818	5,059	5,312	5,577	5,856	6,149	6,456
12	5,059	5,312	5,577	5,856	6,149	6,456	6,779
13	5,312	5,577	5,856	6,149	6,456	6,779	7,118
14	5,577	5,856	6,149	6,456	6,779	7,118	7,474
15	5,856	6,149	6,456	6,779	7,118	7,474	7,848
16	6,149	6,456	6,779	7,118	7,474	7,848	8,240
17	6,456	6,779	7,118	7,474	7,848	8,240	8,652
18	6,779	7,118	7,474	7,848	8,240	8,652	9,085
19	7,118	7,474	7,848	8,240	8,652	9,085	9,539
20	7,474	7,848	8,240	8,652	9,085	9,539	10,016
21	7,848	8,240	8,652	9,085	9,539	10,016	10,517
22	8,240	8,652	9,085	9,539	10,016	10,517	11,043
23	8,652	9,085	9,539	10,016	10,517	11,043	11,595
24	9,085	9,539	10,016	10,517	11,043	11,595	12,175
25	9,539	10,016	10,517	11,043	11,595	12,175	12,783
26	10,016	10,517	11,043	11,595	12,175	12,783	13,422
27	10,517	11,043	11,595	12,175	12,783	13,422	14,094
28	11,043	11,595	12,175	12,783	13,422	14,094	14,798
29	11,595	12,175	12,783	13,422	14,094	14,798	15,538
30	12,175	12,783	13,422	14,094	14,798	15,538	16,315

Consumer Price Index - Urban Wage Earners and Clerical Workers
12-Month Percent Change

Series Id: CWURA421SA0
Not Seasonally Adjusted
Area: Los Angeles-Riverside-Orange County, CA
Item: All items
Base Period: 1982-84=100
Years: 2006 to 2016

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2007	3.1	3.4	4.0	3.6	3.0	2.7	2.4	2.1	2.2	3.8	4.7	4.6	3.3	3.3	3.3
2008	4.6	3.7	3.6	3.7	4.1	6.1	6.6	5.7	5.0	3.5	0.6	-0.6	3.9	4.3	3.5
2009	-0.6	-0.5	-1.6	-2.1	-2.4	-2.8	-3.2	-2.1	-1.4	-0.6	1.2	2.5	-1.2	-1.7	-0.6
2010	2.3	1.8	2.4	2.4	2.0	1.0	1.0	1.0	0.5	0.9	1.0	1.6	1.5	2.0	1.0
2011	2.0	2.6	3.5	3.9	3.7	3.3	2.7	2.7	3.5	3.1	3.2	2.2	3.0	3.2	2.9
2012	2.1	2.1	2.0	1.3	1.5	1.5	1.9	2.5	2.2	3.2	2.1	2.0	2.0	1.8	2.3
2013	1.9	2.4	1.3	0.9	1.0	1.5	1.6	0.9	0.7	-0.3	0.5	1.2	1.1	1.5	0.8
2014	0.8	0.4	1.0	1.6	1.8	1.9	2.1	1.8	1.6	1.4	1.0	0.3	1.3	1.3	1.4
2015	-0.7	-0.4	0.2	0.0	0.9	0.4	1.2	1.0	0.4	0.7	1.4	1.9	0.6	0.1	1.1
2016	3.3	2.3	1.3	1.6	0.6	1.1	0.3	0.6	1.5	1.9	1.5	1.7	1.5	1.7	1.3
2017	1.7	2.5	2.4	2.5	2.4	2.2	2.5	2.9	3.2	3.0	3.7	3.7	2.7	2.3	3.2

12 month percent change from January 2017 through December 2017 = 2.7

BUDGET REVENUE PROJECTIONS				2018/2019 BUDGET	
ACCOUNT #	ACCOUNT TITLE	2017/2018 REVENUE PROJECTIONS	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 REVENUE PROJECTIONS
FUND 11					
OPERATING REVENUES:					
11-4120-000-0	SEWER SERVICE - CURRENT	10,856,405 (1)	10,810,000	(46,405)	11,005,080 (1)
11-4140-000-0	SEWER SERVICE - PENALTIES	1,000	-	(1,000)	1,000
11-4210-000-0	PERMIT/INSPECTION FEES	20,000	15,200	(4,800)	10,000
11-4270-000-0	PLAN CHECK FEES	10,000	8,000	(2,000)	10,000
11-4285-000-0	OTHER SERVICES	1,800	1,900	100	1,800
11-4310-000-0	SALE OF SURPLUS PROPERTY	-	41,000	41,000	-
	SUB-TOTALS:	10,889,205	10,876,100	(13,105)	11,027,880
NON-OPERATING REVENUES:					
11-4510-000-0	INTEREST REVENUE	80,000	140,000	60,000	140,000
11-4430-000-0	TAXES - CURRENT SECURED	650,000	700	(649,300)	700,000
11-4440-000-0	TAXES - CURRENT UNSECURED	21,000	21,000	-	21,000
11-4450-000-0	TAXES - PRIOR SECURED	6,000	6,000	-	6,000
11-4460-000-0	TAXES - PRIOR UNSECURED	1,000	-	(1,000)	-
11-4465-000-0	TAXES - PENALTIES	2,000	1,500	(500)	1,500
11-4470-000-0	TAXES - SUPPLEMENTAL CURRENT	6,000	7,000	1,000	7,000
11-4480-000-0	TAXES - SUPPLEMENTAL PRIOR	2,500	3,200	700	3,200
11-4500-000-0	HOMEOWNER'S TAX RELIEF	6,700	6,000	(700)	6,000
11-4574-000-0	NON-OPERATING REVENUE	1,000	500	(500)	500
	SUB-TOTALS:	776,200	185,900	(590,300)	885,200
FUND 11 GRAND TOTALS:		11,665,405	11,062,000	(603,405)	11,913,080
FUND 13					
OPERATING REVENUES					
13-4200-000-0	CONNECTION CHARGES	639,750 (2)	938,300	298,550	895,650 (2)
	SUB-TOTALS	639,750 (2)	938,300	298,550	895,650
NON-OPERATING REVENUES					
13-4510-000-0	INTEREST REVENUE	21,000	53,000	32,000	55,000
	SUB-TOTALS	21,000	53,000	32,000	55,000
FUND 13 GRAND TOTALS:		660,750	991,300	330,550	950,650
TOTAL REVENUES:		12,326,155	12,053,300	(272,855)	12,863,730

(1) AT \$313/EDU (2) AT \$4,265/EDU

DEPARTMENT: COMBINED		2018/2019 BUDGET			
ACCOUNT #	ACCOUNT TITLE	2017/2018 CURRENT BUDGET (28 Staff)	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 BUDGET REQUEST (29 Staff)
11-5030-400-0	SALARIES	2,325,000	2,366,000	41,000	2,496,500
11-5070-400-0	OVERTIME	15,100	14,033	(1,067)	15,500
11-5080-400-0	CALLOUT	10,800	7,500	(3,300)	7,000
11-5090-400-0	STANDBY	34,000	34,000	-	35,000
	TOTAL SALARIES	2,384,900	2,421,533	36,633	2,554,000
11-5110-400-0	LONGEVITY	37,300	36,600	(700)	35,200
11-5112-400-0	RETIREMENT	335,900	325,700	(10,200)	272,000
11-5116-400-0	PAYROLL TAXES	182,600	185,800	3,200	195,600
11-5118-400-0	UNEMPLOYMENT INSURANCE	-	-	-	-
11-5122-400-0	WORKERS COMPENSATION	48,500	47,635	(865)	48,800
11-5124-400-0	GROUP LIFE INSURANCE	6,150	5,900	(250)	5,900
11-5126-400-0	GROUP HEALTH INSURANCE	410,000	400,350	(9,650)	433,600
11-5128-400-0	DENTAL/VISION INSURANCE	24,100	23,700	(400)	26,100
11-5132-400-0	DISABILITY INSURANCE	12,700	11,900	(800)	12,300
11-5152-400-0	CLOTHING/SAFETY	37,700	31,600	(6,100)	38,400
	TOTAL BENEFITS	1,094,950	1,069,185	(25,765)	1,067,900
	TOTAL SALARIES/BENEFITS	3,479,850	3,490,718	10,868	3,621,900
11-5150-400-0	DIRECTORS' FEES	36,500	31,000	(5,500)	36,500
11-5225-400-0	ELECTION	70,000	18,978	(51,022)	-
11-5250-400-0	GAS/OIL	49,000	40,000	(9,000)	52,000
11-5300-400-0	COMPREHENSIVE INSURANCE	290,000	289,186	(814)	295,000
11-5350-400-0	MEMBERSHIPS/SUBSCRIPTIONS	36,000	33,320	(2,680)	37,385
11-5400-400-0	OFFICE EXPENSE	16,000	15,000	(1,000)	16,000
11-5410-400-0	COUNTY/CITY CHARGES	20,100	19,713	(387)	22,000
11-5420-400-0	PERMITS & FEES	70,650	72,057	(6,593)	81,950
11-5430-400-0	PRETREATMENT	6,000	-	(6,000)	1,000
11-5450-400-0	OPERATING SUPPLIES	120,800	123,000	2,200	153,100
11-5470-400-0	CHEMICALS	322,890	306,000	(16,890)	366,030
11-5500-400-0	CONTRACT SERVICES	297,219	218,919	(78,300)	550,085
11-5550-400-0	PROFESSIONAL/LEGAL	219,490	200,000	(19,490)	404,840
11-5600-400-0	PUBLICATIONS	4,500	3,000	(1,500)	4,500
11-5700-400-0	REPAIRS/MAINTENANCE	553,400	599,500	46,100	567,600
11-5720-400-0	SMALL TOOLS	17,750	16,000	(1,750)	17,750
11-5750-400-0	RESEARCH	92,300	40,000	(52,300)	89,300
11-5800-400-0	TRAVEL/MTGS/EDUCATION	73,400	38,000	(35,400)	74,000
11-5801-400-0	CERTIFICATIONS/TCPS	7,305	6,225	(1,080)	8,100
11-5901-400-0	TELEPHONE	13,000	18,000	5,000	19,500
11-5902-400-0	ELECTRICITY	530,250	481,700	(48,550)	509,300
11-5903-400-0	NATURAL GAS	4,000	3,200	(800)	4,000
11-5904-400-0	TRASH COLLECTION	25,000	32,000	7,000	35,000
11-5905-400-0	UTILITY WATER	24,000	27,500	3,500	27,500
11-5950-400-0	OTHER EXPENSES	30,000	22,000	(8,000)	30,000
11-7010-000-0	DEPRECIATION EXPENSE	2,203,000	2,203,000	-	2,508,000
	TOTAL SERVICES & SUPPLIES	5,132,554	4,857,298	(283,256)	5,910,440
	TOTAL OPERATING & MAINTENANCE BUDGET	8,612,404	8,348,016	(272,388)	9,532,340

DEPARTMENTAL BUDGET REQUEST SUMMARY
2018/2019 BUDGET

ACC NO.	DESCRIPTION	ENGINEERING & MAINTENANCE	OPERATIONS	ADMIN	TOTAL
11-5030-400-0	SALARIES	1,248,000	753,000	553,000	2,554,000
11-5110-400-0	LONGEVITY	16,600	16,200	2,400	35,200
11-5112-400-0	RETIREMENT	132,000	80,000	60,000	272,000
11-5116-400-0	PAYROLL TAXES	95,500	57,700	42,400	195,600
11-5118-400-0	UNEMPLOYMENT INSURANCE	-	-	-	-
11-5122-400-0	WORKERS COMPENSATION	27,700	19,700	1,400	48,800
11-5124-400-0	GROUP LIFE INSURANCE	2,850	1,800	1,250	5,900
11-5126-400-0	GROUP HEALTH INSURANCE	217,300	131,800	84,500	433,600
11-5128-400-0	DENTAL/VISION INSURANCE	11,750	6,800	7,550	26,100
11-5132-400-0	DISABILITY INSURANCE	6,100	3,700	2,500	12,300
11-5152-400-0	CLOTHING/SAFETY	24,375	14,025	-	38,400
	TOTAL BENEFITS	534,175	331,725	202,000	1,067,900
	TOTAL SALARIES/BENEFITS	1,782,175	1,084,725	755,000	3,621,900
=====					
11-5150-400-0	DIRECTORS' FEES	-	-	36,500	36,500
11-5225-400-0	ELECTION	-	-	-	-
11-5250-400-0	GAS/OIL	-	52,000	-	52,000
11-5300-400-0	COMPREHENSIVE INSURANCE	-	-	295,000	295,000
11-5350-400-0	MEMBERSHIPS/SUBSCRIPTIONS	3,100	2,325	31,960	37,385
11-5400-400-0	OFFICE EXPENSES	-	-	16,000	16,000
11-5410-400-0	COUNTY/CITY CHARGES	-	-	22,000	22,000
11-5420-400-0	PERMITS & FEES	12,500	66,450	3,000	81,950
11-5430-400-0	PRETREATMENT	1,000	-	-	1,000
11-5450-400-0	OPERATING SUPPLIES	37,400	104,700	11,000	153,100
11-5470-400-0	CHEMICALS	-	366,030	-	366,030
11-5500-400-0	CONTRACT SERVICES	304,500	99,800	145,785	550,085
11-5550-400-0	PROFESSIONAL/LEGAL	-	-	404,840	404,840
11-5600-400-0	PUBLICATIONS	-	-	4,500	4,500
11-5700-400-0	REPAIRS/MAINTENANCE	471,100	83,000	13,500	567,600
11-5720-400-0	SMALL TOOLS	14,250	3,500	-	17,750
11-5750-400-0	RESEARCH	-	89,300	-	89,300
11-5800-400-0	TRAVEL/MTGS/EDUCATION	20,000	14,000	40,000	74,000
11-5801-400-0	CERTIFICATIONS/TCPS	6,320	1,280	500	8,100
11-5901-400-0	TELEPHONE	-	-	19,500	19,500
11-5902-400-0	ELECTRICITY	4,300	505,000	-	509,300
11-5903-400-0	NATURAL GAS	-	4,000	-	4,000
11-5904-400-0	TRASH COLLECTION	-	35,000	-	35,000
11-5905-400-0	UTILITY WATER	5,500	22,000	-	27,500
11-5950-400-0	OTHER EXPENSES	10,000	10,000	10,000	30,000
11-7010-000-0	DEPRECIATION EXPENSE	605,000	1,900,000	3,000	2,508,000
	TOTAL SERVICES & SUPPLIES	1,494,970	3,358,385	1,057,085	5,910,440
=====					
	TOTAL OPERATING & MAINTENANCE BUDGET	3,277,145	4,443,110	1,812,085	9,532,340
=====					
=====					

BUDGET REVENUE PROJECTIONS				2018/2019 BUDGET	
ACCOUNT #	ACCOUNT TITLE	2017/2018 REVENUE PROJECTIONS	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 REVENUE PROJECTIONS
FUND 11					
OPERATING REVENUES:					
11-4120-000-0	SEWER SERVICE - CURRENT	10,807,890 (1)	10,810,000	2,110	11,005,080 (1)
11-4140-000-0	SEWER SERVICE - PENALTIES	1,000	-	(1,000)	1,000
11-4210-000-0	PERMIT/INSPECTION FEES	20,000	15,200	(4,800)	10,000
11-4270-000-0	PLAN CHECK FEES	15,000	8,000	(7,000)	10,000
11-4285-000-0	OTHER SERVICES	1,800	1,900	100	1,800
11-4310-000-0	SALE OF SURPLUS PROPERTY	-	41,000	41,000	-
SUB-TOTALS:		10,845,690	10,876,100	30,410	11,027,880
NON-OPERATING REVENUES:					
11-4510-000-0	INTEREST REVENUE	45,000	140,000	95,000	140,000
11-4430-000-0	TAXES - CURRENT SECURED	500,000	700	(499,300)	700,000
11-4440-000-0	TAXES - CURRENT UNSECURED	21,000	21,000	-	21,000
11-4450-000-0	TAXES - PRIOR SECURED	25,000	6,000	(19,000)	6,000
11-4460-000-0	TAXES - PRIOR UNSECURED	1,600	-	(1,600)	-
11-4465-000-0	TAXES - PENALTIES	6,000	1,500	(4,500)	1,500
11-4470-000-0	TAXES - SUPPLEMENTAL CURRENT	2,200	7,000	4,800	7,000
11-4480-000-0	TAXES - SUPPLEMENTAL PRIOR	3,000	3,200	200	3,200
11-4500-000-0	HOMEOWNER'S TAX RELIEF	6,700	6,000	(700)	6,000
11-4574-000-0	NON-OPERATING REVENUE	12,500	500	(12,000)	500
SUB-TOTALS:		623,000	185,900	(437,100)	885,200
FUND 11 GRAND TOTALS:		11,468,690	11,062,000	(406,690)	11,913,080
FUND 13					
OPERATING REVENUES					
13-4200-000-0	CONNECTION CHARGES	1,279,500 (2)	1,230,000	(49,500)	895,650 (2)
SUB-TOTALS		1,279,500 (2)	1,230,000	(49,500)	895,650
NON-OPERATING REVENUES					
13-4510-000-0	INTEREST REVENUE	14,000	53,000	39,000	55,000
SUB-TOTALS		14,000	53,000	39,000	55,000
FUND 13 GRAND TOTALS:		1,293,500	1,283,000	(10,500)	950,650
TOTAL REVENUES:		12,762,190	12,345,000	(417,190)	12,863,730

(1) AT \$313/EDU (2) AT \$4,265/EDU

PROJECTED REVENUE

FUND 11

11-4120-000-0	FY 2018/2019
Sewer Service - Current	Budget Request
	\$11,005,080

SEWER SERVICE - CURRENT: Sewer service revenue for the FY 2017/2018 was based on 34,680 Equivalent Dwelling Units (EDUs) of service at an annual rate of \$313 per EDU. Anticipated sewer service revenue for the FY 2018/2019 is based on 35,160 EDUs at an annual rate of \$313.

11-4140-000-0	FY 2018/2019
Sewer Service - Penalties	Budget Request
	\$1,000

SEWER SERVICE - PENALTIES: Penalties imposed by the county on late tax bill payments for sewer use.

11-4210-000-0	FY 2018/2019
Permit/Inspection Fees	Budget Request
	\$10,000

PERMIT/INSPECTION FEES: Estimated for lateral and mainline inspections.

11-4270-000-0	FY 2018/2019
Plan Check Fees	Budget Request
	\$10,000

PLAN CHECK FEES: Anticipated revenue is based on a \$150 per hour fee with one hour minimum fee for plan checking.

11-4285-000-0	FY 2018/2019
Other Services	Budget Request
	\$1,800

OTHER SERVICES: Income for administrative services provided for the VSD 2004 Assessment District.

11-4430-000-0	FY 2018/2019
Taxes - Current Secured	Budget Request
	\$700,000

CURRENT SECURED REVENUES: Secured property is generally non-movable property, such as houses, buildings, etc. Revenues are based on general valuation. The portion of revenue designated for special districts is 1%. Of this 1%, VSD received .00029542% of the general purpose funds county-wide for 2016/2017. The Assembly Bill 8 (AB8) factor for 2017/2018 is .00028856%. At the time of budget preparation the 2018/2019 factor had not been calculated by the County. The factor will be calculated around September 2018.

PROJECTED REVENUE

11-4440-000-0

Taxes - Current Unsecured

FY 2018/2019

Budget Request

\$21,000

CURRENT UNSECURED: Unsecured property includes items such as motor homes, airplanes, boats and other moveable personal property. The portion of revenue designated for special districts is 1%. Of this 1%, VSD received .00029542% of the general purpose funds county-wide for 2016/2017. The Assembly Bill 8 (AB8) factor for 2017/2018 is .00028856%. At the time of budget preparation the 2018/2019 factor had not been calculated by the County. The factor will be calculated around September 2018.

11-4450-000-0

Taxes - Prior Secured

FY 2018/2019

Budget Request

\$6,000

PRIOR SECURED: Prior secured payments are received for prior year taxes, are similar to secured, and the revenue is based on the same formula.

11-4460-000-0

Taxes - Prior Unsecured

FY 2018/2019

Budget Request

\$0

PRIOR UNSECURED: Funds derived from prior unsecured properties are similar to unsecured properties mentioned above; however, these payments are for prior year taxes. The revenue is based on the same formula. Estimated revenue is based on current year activity.

11-4465-000-0

Taxes - Prior Secured Penalties

FY 2018/2019

Budget Request

\$1,500

TAXES – PENALTIES: Penalties imposed by the county on late tax bill payments on tax revenue.

11-4470-000-0

Supplemental - Current

FY 2018/2019

Budget Request

\$7,000

SUPPLEMENTAL CURRENT: Funds derived from supplemental tax roll changes due to sale of property or new construction. Since July 1983, state law requires the County Assessor to reappraise property as of the date of change in ownership or completion of new construction rather than at the next tax year.

11-4480-000-0

Supplemental Taxes - Prior

FY 2018/2019

Budget Request

\$3,200

SUPPLEMENTAL PRIOR: Funds derived as mentioned above, for prior year.

PROJECTED REVENUE

11-4500-000-0

Homeowner's Tax Relief

FY 2018/2019

Budget Request

\$6,000

HOMEOWNER'S TAX RELIEF: The portion of tax funds replaced by state resources for tax relief for homeowners. For example, if a homeowner's exemption deducts \$7,000 of the property's valuation for calculating the property owner's tax, the state replaces the taxes that the \$7,000 valuation would have provided to the county.

11-4510-000-0

Interest Revenue

FY 2018/2019

Budget Request

\$140,000

INTEREST REVENUE: Return on invested funds that are held with the Local Agency Investment Fund (LAIF) and CalTrust. The quarterly percentage rate earned averaged .9925% from LAIF and CalTrust for the period of 1/31/17 to 12/31/17.

11-4574-000-0

Non-Operating Revenues

FY 2018/2019

Budget Request

\$500

NON-OPERATING REVENUES: This account includes revenue from other undefined sources.

PROJECTED REVENUE

FUND 13

13-4200-000-0 Connection Fees

**FY 2018/2019
Budget Request
\$895,650**

Total Anticipated Connections	250
Less Anticipated Connections paid by AD 2004 VSD or Prepayment Agreement	(40)
Anticipated Connections that are not in AD or prepaid	<u>210</u>

2018/2019 Connection Capacity Fee: \$4,265 per equivalent dwelling unit (EDU).

13-4510-000-0 Interest Revenue

**FY 2018/2019
Budget Request
\$55,000**

INTEREST REVENUE: Return on invested funds that are held with the Local Agency Investment Fund (LAIF) and CalTrust. The quarterly percentage rate earned averaged .9925% from LAIF and CalTrust for the period of 1/31/17 to 12/31/17.

DEPARTMENT: ENGINEERING AND MAINTENANCE					2018/2019 BUDGET		
ACCOUNT #	ACCOUNT TITLE	2017/2018 CURRENT BUDGET (15 Staff)	YTD ACTUAL 5/31/2018	6/30/2018 ADDITION	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 BUDGET REQUEST (15 Staff)
11-5030-410-1	SALARIES	1,160,000	1,102,977	97,023	1,200,000	40,000	1,222,000
11-5070-410-1	OVERTIME	6,100	2,677	1,323	4,000	(2,100)	4,000
11-5080-410-1	CALLOUT	3,800	2,051	1,449	3,500	(300)	3,000
11-5090-410-1	STANDBY	19,000	17,605	1,395	19,000	-	19,000
	TOTAL SALARIES	1,188,900	1,125,310	101,190	1,226,500	37,600	1,248,000
11-5110-410-1	LONGEVITY	14,700	13,569	1,131	14,700	-	16,600
11-5112-410-1	RETIREMENT	152,800	138,738	11,262	150,000	(2,800)	132,000
11-5116-410-1	PAYROLL TAXES	91,000	84,400	9,500	93,900	2,900	95,500
11-5118-410-1	UNEMPLOYMENT INSURANCE	-	-	-	-	-	-
11-5122-410-1	WORKERS COMPENSATION	25,000	24,360	2,405	26,765	1,765	27,700
11-5124-410-1	GROUP LIFE INSURANCE	2,850	2,730	120	2,850	-	2,850
11-5126-410-1	GROUP HEALTH INSURANCE	190,000	205,323	1,677	207,000	17,000	217,300
11-5128-410-1	DENTAL/VISION INSURANCE	12,000	10,895	805	11,700	(300)	11,750
11-5132-410-1	DISABILITY INSURANCE	6,100	5,966	134	6,100	-	6,100
11-5152-410-1	CLOTHING/SAFETY	24,000	16,160	3,840	20,000	(4,000)	24,375
	TOTAL BENEFITS	518,450	502,141	30,874	533,015	14,565	534,175
	TOTAL SALARIES/BENEFITS	1,707,350	1,627,451	132,064	1,759,515	52,165	1,782,175
11-5150-410-1	DIRECTORS' FEES	-	-	-	-	-	-
11-5225-410-1	ELECTION	-	-	-	-	-	-
11-5250-410-1	GAS/OIL	-	-	-	-	-	-
11-5300-410-1	COMPREHENSIVE INSURANCE	-	-	-	-	-	-
11-5350-410-1	MEMBERSHIPS/SUBSCRIPTIONS	3,150	2,275	875	3,150	-	3,100
11-5400-410-1	OFFICE EXPENSE	-	-	-	-	-	-
11-5410-410-1	COUNTY/CITY CHARGES	-	-	-	-	-	-
11-5420-410-1	PERMITS & FEES	12,500	11,200	300	11,500	(1,000)	12,500
11-5430-410-1	PRETREATMENT	6,000	-	-	-	(6,000)	1,000
11-5450-410-1	OPERATING SUPPLIES	37,400	19,325	5,675	25,000	(12,400)	37,400
11-5470-410-1	CHEMICALS	-	-	-	-	-	-
11-5500-410-1	CONTRACT SERVICES	139,300	111,780	9,720	121,500	(17,800)	304,500
11-5550-410-1	PROFESSIONAL/LEGAL	-	-	-	-	-	-
11-5600-410-1	PUBLICATIONS	-	-	-	-	-	-
11-5700-410-1	REPAIRS/MAINTENANCE	410,400	471,484	516	472,000	61,600	471,100
11-5720-410-1	SMALL TOOLS	14,250	8,227	3,773	12,000	(2,250)	14,250
11-5750-410-1	RESEARCH	-	-	-	-	-	-
11-5800-410-1	TRAVEL/MTGS/EDUCATION	19,700	9,922	5,078	15,000	(4,700)	20,000
11-5801-410-1	CERTIFICATIONS/TCPS	4,975	2,390	2,585	4,975	-	6,320
11-5901-410-1	TELEPHONE	-	-	-	-	-	-
11-5902-410-1	ELECTRICITY	5,250	3,423	477	3,900	(1,350)	4,300
11-5903-410-1	NATURAL GAS	-	-	-	-	-	-
11-5904-410-1	TRASH COLLECTION	-	-	-	-	-	-
11-5905-410-1	UTILITY WATER	6,000	5,162	338	5,500	(500)	5,500
11-5950-410-1	OTHER EXPENSES	10,000	6,542	458	7,000	(3,000)	10,000
11-7010-000-0	DEPRECIATION EXPENSE	350,000	350,000	-	350,000	-	605,000
	TOTAL SERVICES & SUPPLIES	1,018,925	1,001,730	29,795	1,031,525	12,600	1,494,970
	TOTAL OPERATING & MAINTENANCE BUDGET	2,726,275	2,629,181	161,859	2,791,040	64,765	3,277,145

ENGINEERING AND MAINTENANCE

11-5152-410-1

Clothing

**FY 2018/2019
Budget Request
\$24,375**

Justification:

Covers supply of uniforms, laundry service, safety steel-toe boots, safety vests & glasses, gloves, hard hats, etc.

- Cintas uniforms-fifteen (15) employees 16,000
- Gloves-fifteen (15) employees 5,000
- Boots-fifteen (15) employees (\$225 per employee) 3,375

11-5350-410-1

Memberships/Subscriptions

**FY 2018/2019
Budget Request
\$3,100**

Justification:

- California Water Environment Association (CWEA) membership renewal for twelve (13) staff members at \$188 each. This membership includes renewal to the Colorado River Basin Local Section 2,450
- NASSCO Inc:
National Association of Sewer Service Companies; updates new criteria related to PACP Inspection Standards 350
- AWWA for District Engineer 300

11-5420-410-1

Permits & Fees

**FY 2018/2019
Budget Request
\$12,500**

Justification:

- State General Waste Discharge annual permit fee (SWRCB) 12,000
- Miscellaneous permits and/or fees 500

11-5430-410-1

Pretreatment

**FY 2018/2019
Budget Request
\$1,000**

Justification:

- Posters/flyers for FOG BMPs 1,000

ENGINEERING AND MAINTENANCE

11-5450-410-1

Operating Supplies

**FY 2018/2019
Budget Request
\$37,400**

Justification:

- Cintas mats, shop towels, etc. 15,000
- Landscaping supplies 10,000
- 55-gallon cleaning concentrates, cleaning supplies, paper towels, toilet paper, cups, soap, and cleaners 6,400
- Miscellaneous supplies:
Examples include duct tape, rubber tape, canvas tape, greaseless lubricant, WD-40, wax, lithium grease, wire ties, wire heat shrink tubing, and pipe glue 4,000
- Traffic control signs/cones/safety equipment:
New safety cones are purchased at a cost of \$25 each, barricades with lights are \$40 each, and barrier tape is \$13 per roll 2,000

ENGINEERING AND MAINTENANCE

11-5500-410-1

Contract Services

**FY 2018/2019
Budget Request
\$304,500**

Justification:

• Safety Consultant	150,000
• Roach control program	44,000
• Lucity program annual renewal	15,000
• Root control program	15,000
• Tree trimming and spraying	15,000
• Boiler maintenance service contract	14,000
• City of Indio - ERICA radio member fee	6,000
• Plant instrument service contract	5,000
• Safety Kleen parts, washer service, light bulb disposal and dry cell batteries	4,500
• Alliance building alarm monitoring	4,250
• Bentley Enterprise Annual Licensing - SewerGems	4,000
• Underground Dig Alert	3,500
• ESRI ARCVIEW 10.0 annual renewal	3,000
• Pipelogix annual renewal	3,000
• Rudy's pest control service for building and facilities	2,700
• Annual fire extinguisher service	2,500
• Annual fire suppression service for sodium hypochlorite facility	2,250
• Gantry crane service	2,000
• Miscellaneous contractual services	2,000
• Verizon Wireless	2,000
• Pyro-Comm fire alarm monitoring	1,600
• Safety Kleen used oil filter disposal	1,050
• Autocad annual maintenance & helpdesk	1,000
• Annual monitoring fee/pump stations	800
• SPOK Arch wireless beepers	350

ENGINEERING AND MAINTENANCE

11-5700-410-1

Repairs and Maintenance

FY 2018/2019

Budget Request

\$471,100

Collection Department (Total)

124,500

- Vactor parts/repairs/planned expenditures: 71,000
 - 1) Contingency for emergency repairs 40,000
 - 2) Vactor oil and lube service 10,500
 - 3) 800 feet of one-inch sewer jet hose 6,600
 - 4) Tires 5,000
 - 5) Nozzles for jetting 2,600
 - 6) High pressure pump parts 2,500
 - 7) Diesel exhaust fluid for new Vactor 1,000
 - 8) One-inch leader hose 1,000
 - 9) Proofer skid for jetting lines 1,000
 - 10) Fire hose 400
 - 11) Tiger tail hose guide 400
- Mainline repair 20,000
- TV van parts and repair 15,000
- Equipment rentals 8,500
- Pump station repairs and parts 8,000
- Equipment repairs 2,000

Maintenance Department (Total)

346,600

- Routine miscellaneous repairs and maintenance (contingency) 70,000
- Blower maintenance 30,000
- Rebuild RAS pumps 30,000
- General facility maintenance 27,000
- Rebuild two (2) influent pumps 25,000
- Equipment rentals 20,000
- SCADA PLC programming 20,000
- Belt press building maintenance parts 15,000
- Dredge panel and spare parts 14,000
- Service generators 2, 3 & 4 12,000
- New bearing and stub shafts for five (5) aerators 10,000
- Safety equipment for confined space entry 8,200
- Vehicle repairs and smog checks 8,000
- Butterfly valves for ASP 6,500
- Chlorine and dechlorination spare parts 6,000
- Case tractor and dump truck repairs 5,000
- Fleet vehicle operating supplies 5,000
- Gas detectors for confined space entry 5,000
- Replace hoist 5,000
- Check valves for drainage pumps 4,500
- Macerator rebuild kit 3,800
- Emergency preparedness kits 3,400
- Irrigation repairs and maintenance 3,000
- Arc flash safety equipment 2,700
- Road base for all dirt roads around treatment plant 2,500
- Hose replacement 2,000
- Replace hose reel swivels 2,000
- Gallery sump pump replacements 1,000

ENGINEERING AND MAINTENANCE

11-5720-410-1

Small Tools

FY 2018/2019

Budget Request

\$14,250

Justification:

- Miscellaneous small tool acquisition and replacement for Maintenance Department 12,250
- Miscellaneous small tool acquisition and replacement for Collection Department 2,000

11-5800-410-1

Travel, Meetings, & Education

FY 2018/2019

Budget Request

\$20,000

Justification:

Travel expenses for conferences and training seminars, registration fees, meals, lodging and related expenses.

- Allowance for fifteen (15) employees at \$1,000 per employee 15,000
- Safety training 5,000

11-5801-410-1

Certifications

FY 2018/2019

Budget Request

\$6,320

Justification:

- State Water Resource Control Board: Operator certification programs

Job Title	Grade	Renewal Fee
Operator I	I	170
Operator TI	I	170
Operator DI	I	170
Operator III	III	300

- California Water Environment Association: Technical certification programs

Collection System Supervisor	CST III	100
Collection System Tech I (3)	CST I	260
Collection System Tech II (2)	CST III	180
Development Service Tech II	CST I	85
Development Service Tech II	CST IV	100
Environmental Inspector I	ENV IV	100
Maintenance Tech I	I	85
Maintenance Tech III (3)	III	290
Electrician IV	IV	95
Industrial Waste Inspector I	I	85
Lab I	I	85
Allowance for advancement (certification testing)		1,200

- PACP Re-certification for three (3) employees 2,400
- AWWA Grade D4/T3 (District Engineer) 245
- Professional Engineer (PE) (District Engineer & Associate Engineer)
Due biennially at \$200 200

ENGINEERING AND MAINTENANCE

11-5902-410-1

Electricity

FY 2017/2018

Budget Request

\$4,300

Justification:

IID electricity cost for three (3) lift stations: Barrymore, Vandenberg, and Calhoun.

11-5905-410-1

Utility Water

FY 2017/2018

Budget Request

\$5,500

Justification:

Water service from the Indio Water Authority.

11-5950-410-1

Other Expenses

FY 2017/2018

Budget Request

\$10,000

Justification:

Miscellaneous expense contingency fund.

DEPARTMENT: OPERATIONS**2018/2019 BUDGET**

ACCOUNT #	ACCOUNT TITLE	2017/2018 CURRENT BUDGET (9 Staff)	YTD ACTUAL 5/31/2018	6/30/2018 ADDITION	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 BUDGET REQUEST (9 Staff)
11-5030-411-1	SALARIES	710,000	694,881	11,119	706,000	(4,000)	722,000
11-5070-411-1	OVERTIME	8,500	9,473	527	10,000	1,500	11,000
11-5080-411-1	CALLOUT	7,000	3,020	980	4,000	(3,000)	4,000
11-5090-411-1	STANDBY	15,000	13,511	1,489	15,000	-	16,000
	TOTAL SALARIES	740,500	720,885	14,115	735,000	(5,500)	753,000
11-5110-411-1	LONGEVITY	20,800	18,738	1,362	20,100	(700)	16,200
11-5112-411-1	RETIREMENT	116,400	100,182	8,818	109,000	(7,400)	80,000
11-5116-411-1	PAYROLL TAXES	56,700	56,613	87	56,700	-	57,700
11-5118-411-1	UNEMPLOYMENT INSURANCE	-	-	-	-	-	-
11-5122-411-1	WORKERS COMPENSATION	22,500	18,319	1,381	19,700	(2,800)	19,700
11-5124-411-1	GROUP LIFE INSURANCE	2,200	1,768	32	1,800	(400)	1,800
11-5126-411-1	GROUP HEALTH INSURANCE	150,000	124,437	913	125,350	(24,650)	131,800
11-5128-411-1	DENTAL/VISION INSURANCE	8,500	6,600	200	6,800	(1,700)	6,800
11-5132-411-1	DISABILITY INSURANCE	4,500	3,600	100	3,700	(800)	3,700
11-5152-411-1	CLOTHING/SAFETY	13,700	10,021	1,579	11,600	(2,100)	14,025
	TOTAL BENEFITS	395,300	340,278	14,472	354,750	(40,550)	331,725
	TOTAL SALARIES/BENEFITS	1,135,800	1,061,163	28,587	1,089,750	(46,050)	1,084,725
11-5150-411-1	DIRECTORS' FEES	-	-	-	-	-	-
11-5225-411-1	ELECTION	-	-	-	-	-	-
11-5250-411-1	GAS/OIL	49,000	34,750	5,250	40,000	(9,000)	52,000
11-5300-411-1	COMPREHENSIVE INSURANCE	-	-	-	-	-	-
11-5350-411-1	MEMBERSHIPS/SUBSCRIPTIONS	2,100	1,260	910	2,170	70	2,325
11-5400-411-1	OFFICE EXPENSE	-	-	-	-	-	-
11-5410-411-1	COUNTY/CITY CHARGES	-	-	-	-	-	-
11-5420-411-1	PERMITS & FEES	63,150	52,756	4,944	57,700	(5,450)	66,450
11-5430-411-1	PRETREATMENT	-	-	-	-	-	-
11-5450-411-1	OPERATING SUPPLIES	71,900	85,987	4,013	90,000	18,100	104,700
11-5470-411-1	CHEMICALS	322,890	271,798	34,202	306,000	(16,890)	366,030
11-5500-411-1	CONTRACT SERVICES	100,500	31,092	8,908	40,000	(60,500)	99,800
11-5550-411-1	PROFESSIONAL/LEGAL	-	-	-	-	-	-
11-5600-411-1	PUBLICATIONS	-	-	-	-	-	-
11-5710-411-1	REPAIRS/MAINTENANCE	120,500	87,499	17,501	105,000	(15,500)	83,000
11-5720-411-1	SMALL TOOLS	3,500	3,033	967	4,000	500	3,500
11-5750-411-1	RESEARCH	92,300	38,323	1,677	40,000	(52,300)	89,300
11-5800-411-1	TRAVEL/MTGS/EDUCATION	13,700	5,937	2,063	8,000	(5,700)	14,000
11-5801-411-1	CERTIFICATIONS/TCPS	1,830	795	205	1,000	(830)	1,280
11-5901-411-1	TELEPHONE	-	-	-	-	-	-
11-5902-411-1	ELECTRICITY	525,000	387,570	90,230	477,800	(47,200)	505,000
11-5903-411-1	NATURAL GAS	4,000	2,592	608	3,200	(800)	4,000
11-5904-411-1	TRASH COLLECTION	25,000	25,903	6,097	32,000	7,000	35,000
11-5905-411-1	UTILITY WATER	18,000	16,545	5,455	22,000	4,000	22,000
11-5950-411-1	OTHER EXPENSES	10,000	5,456	4,544	10,000	-	10,000
11-7010-000-0	DEPRECIATION EXPENSE	1,850,000	1,850,000	-	1,850,000	-	1,900,000
	TOTAL SERVICES & SUPPLIES	3,273,370	2,901,296	187,574	3,088,870	(184,500)	3,358,385
	TOTAL OPERATING & MAINTENANCE BUDGET	4,409,170	3,962,459	216,161	4,178,620	(230,550)	4,443,110

OPERATIONS

11-5152-411-1**Clothing****FY 2018/2019****Budget Request****\$14,025****Justification:**

Covers supply of uniforms, laundry service, safety steel-toe boots, safety glasses, etc.

- | | |
|--|-------|
| • Cintas uniforms-nine (9) employees | 9,000 |
| • Gloves, ear plugs, safety items-nine (9) employees | 3,000 |
| • Boots-nine (9) employees (\$225 per employee) | 2,025 |

11-5250-411-1**Gas and Oil****FY 2018/2019****Budget Request****\$52,000****Justification:**

Fuel usage for District vehicles and equipment on and off the plant site.

11-5350-411-1**Memberships/Subscriptions****FY 2018/2019****Budget Request****\$2,325****Justification:**

- | | |
|--|-------|
| • California Water Environment Association (CWEA) membership renewal for nine (9) employees @ \$188 each. This membership includes renewal to the Colorado River Basin Local Section | 1,700 |
| • Membership in the National Fire Protection Agency (NFPA) | 300 |
| • Membership in the Water Environment Federation for Chief Facilities Operator | 250 |
| • Membership to TNI (NELAC) Association | 75 |

11-5420-411-1**Permits & Fees****FY 2018/2019****Budget Request****\$66,450****Justification:**

- | | |
|---|---------|
| • Annual NPDES permit fee (SWRCB) | 39,000 |
| • South Coast Air Quality Management District (SCAQMD) facility permits | 13,000 |
| • State Health Department laboratory certification | 6,500 |
| • Department of Environmental Health | 3,000 |
| • City of Indio fire service permit | 2,000 |
| • Quality assurance testing | 1,500 * |
| • City of Indio alarm system permit | 500 |
| • Occupational Lead Poisoning Prevention/Toxic Substance | 500 |
| • Hot Spot Program (SCAQMD) | 250 |
| • Miscellaneous | 200 |

* Quality assurance testing is required by the Health and Safety Code §100870, and the California Code of Regulations, Title 22, §64809. This includes Environmental Laboratory Accreditation (ELAP) programs.

OPERATIONS

11-5450-411-1

Operating Supplies

FY 2018/2019

Budget Request

\$104,700

Justification:

• Polydyne - polymer for belt press sixteen (16) totes at \$3,000 per tote	48,000
• Four (4) belts for belt press at \$3,750 each	15,000
• Laboratory chemicals, reagents, detergents, filters, glassware, instrument batteries, Dissolved Oxygen (DO) probe modules, buffers, storage solutions, medias, agars, quality controls and miscellaneous supplies	15,000
• Miscellaneous operating supplies including reagents for chlorination and dechlorination analyzers	19,000
• Ready Fresh - distilled water for laboratory, fresh water and coffee service	3,100
• Miscellaneous small tools, torches, pliers, small air pumps, etc.	2,000
• Student materials for distribution for public relations efforts	1,600
• First-aid supplies	1,000

OPERATIONS

11-5470-411-1
Chemicals

FY 2018/2019
Budget Request
\$366,030

Justification:

The total water reclamation plant discharge for Fiscal Year 2018/2019 is estimated to increase over the year 2017/2018 total flow of 1,929.50 Million Gallons (MG). This estimated total plant discharge will be used to estimate the cost of the following chemicals.

The estimated flow in MG for 2018/2019 is MG 2,000,000

Sodium Hypochlorite	\$	204,740
Sodium Hypochlorite (Univar) is used to chlorinate the effluent after treatment in order to kill harmful bacteria. Sodium Hypochlorite comes in 12% percent solution and sold by the gallon. The number of lbs of chlorine used at 10 mg/L dosage and 8.34 lbs/MG is		
	LBs	166,800
The cost of the Sodium Hypochlorite based on the number lbs needed divided by 1.147 lbs/gallon of product and at a cost of \$1.38 per gallon is	\$	200,684
The projected delivery cost based on \$225 per delivery and expecting 18 deliveries is	\$	4,050

Sodium Bisulfite	\$	101,540
Sodium Bisulfite (Univar) helps with the dechlorination process. The estimated total gallons of Sodium Bisulfite for Fiscal Year 2018/2019 is based on the projected plant discharge using 40 gallons per MG usage in GAL		
	Gal	-
The projected cost of purchasing the Sodium Bisulfite at \$1.24 per gallon is	\$	99,200
The projected delivery cost based on \$123 per delivery and expecting 19 deliveries is	\$	2,337

Ferric Chloride	\$	56,250
Ferric Chloride (Univar) helps with the reduction of hydrogen sulfide gas which improves the efficiency of the digester. This calculation is based on the projected plant discharge and 125 pounds per MG. The amount of Ferric Chloride @ 40% solution needed in pounds is		
	LBs	250,000
The cost of the Ferric Chloride based on \$27.20 per MG is	\$	55,000
The projected delivery cost based on \$125 per delivery and expecting 10 deliveries is	\$	1,250

Calcium Hypochlorite	\$	3,500
Calcium Hypochlorite (Foster-Gardner) comes in powder form and is used for disinfecting the grit chamber.		

OPERATIONS

11-5500-411-1
Contract Services

FY 2018/2019
Budget Request
\$99,800

Justification:

• Sludge disposal and transportation	60,000
• Treatment plant upgrades for SCADA system	25,000
• Laboratory Information Management System (LIMS) annual support	8,500
• Verizon Wireless - cell phone service for two (2) staff positions	1,500
• Around the Clock - after hours answering service	1,450
• Calibration/replacement of class I scale weights	1,300
• Calibration/certification of fume hood	1,000
• Scale calibration service (2 balances)	750
• Calibration of NIST certified thermometer	300

OPERATIONS

11-5710-411-1	FY 2018/2019
Repairs & Maintenance	Budget Request
	\$83,000

Justification:

• Iron sponge media and nets	18,500
• Headworks biofilter media replacement	15,000
• Laboratory instrument replacement	10,000
• Touchscreen for headworks PLC	10,000
• Headworks ultrasonic transmitter	8,500
• Boiler panel	8,000
• Meter and probe replacement	5,000
• Portable meters replacement	5,000
• Miscellaneous instrument repairs & maintenance	3,000

11-5720-411-1	FY 2018/2019
Small Tools	Budget Request
	\$3,500

Justification:

• Valve operator	2,500
• Miscellaneous small tool acquisition and replacement	1,000

11-5750-414-2	FY 2018/2019
Research & Monitoring	Budget Request
	\$89,300

Justification:

• Cal Test - monthly EFF-001C plant effluent testing	17,000
• ES Babcock - biosolids testing for sludge (10 samples)	15,000
• Aquatic Bioassay - bi-annual bioassays monitoring/sample shipping	7,500
• Additional testing - laboratory reserve	4,000
• California Toxics Rule (CTR) annually	4,000
• ES Babcock - quarterly testing (RSW-002, EFF-001C, INF, etc)	4,000
• Additional testing as required by permit overlimit regulations	2,000
• Eurofins - monthly TDS testing of nine (9) domestic water wells	1,300
• <u>Laboratory contingency:</u>	34,500

Contingency for two (2) Toxicity Identification Evaluation Ph. I, Ph. II & III Base Line, estimated ten (10) accelerated monitoring of bioassays, and grit/screening samples.

OPERATIONS

11-5800-411-1	FY 2018/2019
Travel, Meetings, & Education	Budget Request
	\$14,000

Justification:

Travel expenses for conferences and training seminars, registration fees, meals, lodging and related expenses

- | | |
|--|-------|
| • Allowance for nine (9) employees at \$1,000 per employee | 9,000 |
| • Safety training | 5,000 |

11-5801-411-1	FY 2018/2019
Certifications/Technical Certification Programs	Budget Request
	\$1,280

Justification:

- State Water Resource Control Board:
Operator Certification Program

Job Title	Renewal Date	Grade	Renewal Fee
Operator II	Dec 2018	II	150
Operator III	Dec 2018	III	150

- California Water Environment Association

Job Title	Renewal Date	Grade	Renewal Fee
Lab Analyst/Coordinator	January 2019	Lab II	90
Lab Technician	March 2019	Lab I	90
Allowance for advancement (certification testing)			300

11-5902-411-1	FY 2018/2019
Electricity	Budget Request
	\$505,000

Justification:

- | | |
|--|---------|
| • The 2018/2019 budget reflects a 5% increase for IID under the 2017/2018 anticipated close of \$400,000 | 420,000 |
| • Solar City PPA | 85,000 |

OPERATIONS

11-5903-411-1	FY 2018/2019
Natural Gas	Budget Request
	\$4,000

Justification:

SoCal Gas - Natural gas usage for the Administration, Laboratory, Operations buildings and digester boiler.

11-5904-411-1	FY 2018/2019
Trash Collection	Budget Request
	\$35,000

Justification:

Screenings and grit hauled by Burrtec to Lambs Canyon, California.

11-5905-411-1	FY 2018/2019
Utility Water	Budget Request
	\$22,000

Justification:

Potable water usage at water reclamation plant (Indio Water Authority).

11-5950-411-1	FY 2018/2019
Other Expenses	Budget Request
	\$10,000

Justification:

Miscellaneous expense contingency fund.

DEPARTMENT ADMINISTRATION/BOARD**2018/2019 BUDGET**

ACCOUNT #	ACCOUNT TITLE	2017/2018 CURRENT BUDGET (4 Staff)	ACTUAL 5/31/2018	6/30/2018 ADDITION	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 BUDGET REQUEST (5 Staff)
11-5030-414-3	SALARIES	455,000	429,627	30,373	460,000	5,000	552,500
11-5070-414-3	OVERTIME	500	33	-	33	(467)	500
11-5080-414-3	CALLOUT	-	-	-	-	-	-
11-5090-414-3	STANDBY	-	-	-	-	-	-
	TOTAL SALARIES	455,500	429,660	30,373	460,033	4,533	553,000
11-5110-414-3	LONGEVITY	1,800	1,615	185	1,800	-	2,400
11-5112-414-3	RETIREMENT	66,700	63,310	3,390	66,700	-	60,000
11-5116-414-3	PAYROLL TAXES	34,900	28,535	6,665	35,200	300	42,400
11-5118-414-3	UNEMPLOYMENT INSURANCE	-	-	-	-	-	-
11-5122-414-3	WORKERS COMPENSATION	1,000	1,080	90	1,170	170	1,400
11-5124-414-3	GROUP LIFE INSURANCE	1,100	1,103	147	1,250	150	1,250
11-5126-414-3	GROUP HEALTH INSURANCE	70,000	67,211	789	68,000	(2,000)	84,500
11-5128-414-3	DENTAL/VISION INSURANCE	3,600	4,896	304	5,200	1,600	7,550
11-5132-414-3	DISABILITY INSURANCE	2,100	2,087	13	2,100	-	2,500
11-5152-414-3	CLOTHING/SAFETY	-	-	-	-	-	-
	TOTAL BENEFITS	181,200	169,837	11,583	181,420	220	202,000
	TOTAL SALARIES/BENEFITS	636,700	599,497	41,956	641,453	4,753	755,000
11-5150-414-4	DIRECTORS' FEES	36,500	27,450	3,550	31,000	(5,500)	36,500
11-5225-414-3	ELECTION	70,000	18,978	-	18,978	(51,022)	-
11-5250-414-3	GAS/OIL	-	-	-	-	-	-
11-5300-414-3	COMPREHENSIVE INSURANCE	290,000	289,186	-	289,186	(814)	295,000
11-5350-414-3	MEMBERSHIPS/SUBSCRIPTIONS	30,750	23,525	4,475	28,000	(2,750)	31,960
11-5400-414-3	OFFICE EXPENSES	16,000	10,068	4,932	15,000	(1,000)	16,000
11-5410-414-3	COUNTY/CITY CHARGES	20,100	19,713	-	19,713	(387)	22,000
11-5420-414-3	PERMITS & FEES	3,000	2,857	-	2,857	(143)	3,000
11-5430-414-3	PRETREATMENT	-	-	-	-	-	-
11-5450-414-3	OPERATING SUPPLIES	11,500	4,140	3,860	8,000	(3,500)	11,000
11-5470-414-3	CHEMICALS	-	-	-	-	-	-
11-5500-414-3	CONTRACT SERVICES	57,419	59,440	(2,021)	57,419	-	145,785
11-5552-414-3	PROFESSIONAL/LEGAL	219,490	147,602	52,398	200,000	(19,490)	404,840
11-5600-414-3	PUBLICATIONS	4,500	2,190	810	3,000	(1,500)	4,500
11-5700-414-3	REPAIRS/MAINTENANCE	22,500	18,333	4,167	22,500	-	13,500
11-5720-414-3	SMALL TOOLS	-	-	-	-	-	-
11-5750-414-3	RESEARCH	-	-	-	-	-	-
11-5800-414-3	TRAVEL/MTGS/EDUCATION	40,000	16,137	(1,137)	15,000	(25,000)	40,000
11-5801-414-3	CERTIFICATIONS/TCPS	500	175	75	250	(250)	500
11-5901-414-3	TELEPHONE/VOIP	13,000	16,605	1,395	18,000	5,000	19,500
11-5902-414-3	ELECTRICITY	-	-	-	-	-	-
11-5903-414-3	NATURAL GAS	-	-	-	-	-	-
11-5904-414-3	TRASH COLLECTION	-	-	-	-	-	-
11-5905-414-3	UTILITY WATER	-	-	-	-	-	-
11-5950-414-3	OTHER EXPENSES	10,000	3,876	1,124	5,000	(5,000)	10,000
11-7010-000-0	DEPRECIATION EXPENSE	3,000	3,000	-	3,000	-	3,000
	TOTAL SERVICES & SUPPLIES	848,259	663,275	73,628	736,903	(111,356)	1,057,085
	TOTAL OPERATING & MAINTENANCE BUDGET	1,484,959	1,262,772	115,584	1,378,356	(106,603)	1,812,085

ADMINISTRATION/BOARD

11-5150-414-4 Directors' Fees

**FY 2018/2019
Budget Request
\$36,500**

Justification:

With five (5) members, the anticipated maximum expense for FY 2018/2019 is \$32,500 for regular meetings, plus \$4,000 additional for CASA, committee meetings, etc. Employer taxes are factored into this budget request.

11-5350-414-3 Comprehensive Insurance

**FY 2018/2019
Budget Request
\$295,000**

Justification:

Provides funds for liability insurance policies applicable to wastewater functions of the District. This will include insurance for: buildings, equipment, computers, furniture, autos and trucks and general liability insurance. This account also includes the Public Official Bond for the Secretary-Treasurer.

11-5350-414-3 Memberships/Subscriptions

**FY 2018/2019
Budget Request
\$31,960**

Justification:

This account includes the cost of memberships in trade associations, organizations, and subscriptions to newsletters representing interests of a Special District.

- | | |
|---|--------------------|
| • California Association of Sanitation Agencies (CASA) | 13,000 |
| • Association of California Water Agencies (ACWA) | 9,000 ^A |
| • California Special Districts Association (CSDA) | 7,000 |
| • WateReuse Association of California | 1,650 |
| • Indio Chamber of Commerce | 500 |
| • American Society of Civil Engineers (ASCE) | 300 |
| • Design Build Institute of America (DBIA) | 200 |
| • California Water Environment Association (CWEA) | 200 |
| • California Society of Municipal Finance Offices (CSMFO) | 110 |

^AThe Agency's annual dues are determined based on the Operations and Maintenance Budget.

ADMINISTRATION/BOARD

11-5400-414-3 Office Expenses

**FY 2018/2019
Budget Request
\$16,000**

Justification:

This account includes the cost of office supplies and services for all departments, such as postage, courier, letterhead, envelopes, business cards, copy paper, binders, calendars, file folders, pens, pencils, pads, mailing labels, etc.

11-5410-414-3 Riverside County Charges

**FY 2018/2019
Budget Request
\$22,000**

Justification:

Pursuant to Sections 29142, 27013, 29304 and 50077 of the Government Code, the County Auditor is allowed to charge for the cost of applying special assessments to the tax roll. This cost is estimated at \$.09 cents per assessment for each time a file is submitted including rejected parcels that are resubmitted plus an additional per district fee of \$127.14 per annual submittal. The Auditor's cost is based on applying the assessment to the tax roll; not for the collection of such assessment.

In accordance with Section 50077 of the Government Code and numerous other code sections, the County Treasurer is authorized to charge for the collection of special assessments included on the tax bill. For 2018/2019 the charge is estimated at \$.32 cents per parcel. This charge is in addition to the Auditor's charges and will be recovered on the first current secured settlement apportionment.

11-5420-414-3 Permits & Fees

**FY 2018/2019
Budget Request
\$3,000**

Justification:

The Cortese Knox-Hertzberg Local Government Reorganization Act of 2000 states that special districts are responsible for paying one-third of the cost of LAFCO. The budget request amount of \$3,000 is only an estimate allowing for an increase over last year's payment.

11-5450-414-3 Operating Supplies

**FY 2018/2019
Budget Request
\$11,000**

Justification:

Reference manuals including labor law updates, safety materials, videos, etc.

- | | |
|---|-------|
| • Office software upgrades | 7,000 |
| • Computer supplies-printer cartridges, toner | 4,000 |

ADMINISTRATION/BOARD

11-5500-414-3 Contract Services

**FY 2018/2019
Budget Request
\$145,785**

Justification:

Encompasses all expenses related to:

• Desert Resort Security	65,650
• Computer maintenance (Southwest Networks)	22,000
• Backup/disaster recovery storage (Southwest Networks)	8,400
• CalPERS Actuarial Study for GASB 68 requirements	1,700
• Target Solutions training management/safety training	1,500
• CalPERS Health Plan annual fee	1,400
• Section 125 Plan	925
• Pitney Bowes (lease on postage meter)	700
• Rate model update (CARRY OVER FROM 2017/2018 BUDGET - \$7,500)	30,000
• OPEB Health Insurance (11-5545-414-3)	
◦ OPEB Annual Required Contribution (ARC)	7,010
◦ CalPERS OPEB Health Insurance fees	6,500

11-5550-414-3 Professional/Legal

**FY 2018/2019
Budget Request
\$404,840**

Justification:

Expenses related to legal services, other professional services, accounting services, and medical services.

• Legal services (11-5552-414-3)	40,000
• Other professional services (11-5553-414-3)	
◦ Federal advocacy	72,000
◦ Computer consulting	50,000
◦ Video conferencing	3,000
◦ Website development	10,000
◦ NeoGov annual fee	7,000
◦ Laserfiche annual renewal	2,700
◦ Executive recruitment	-
(CARRY OVER FROM 2017/2018 BUDGET - \$20,000)	
• Accounting services (11-5554-414-3)	
◦ Annual audit	20,400
◦ Blackbaud accounting software-annual maintenance	9,000
◦ Accounting/permitting software upgrade	155,000
◦ Payroll processing	3,500
◦ CTE time clock system	3,000
◦ CAFR submittal to GFOA	740
• Medical services (11-5555-414-3)	
◦ Wellness program	26,500
◦ Medical exams-DMV & pre-employment	1,000
◦ Drug/alcohol testing-four (4) employees	500
◦ First aid medical	500

ADMINISTRATION/BOARD

11-5600-414-3

Publications

FY 2018/2019

Budget Request

\$4,500

Justification:

Costs for publication of official notices as required by the Government Code, which are generally published in the Desert Sun, and bid requests in online plan rooms.

11-5700-414-3

Repairs/Maintenance

FY 2018/2019

Budget Request

\$13,500

Justification:

This account includes maintenance costs for copier, fax, printers, and miscellaneous repairs on computers as required.

- IT contingency 10,000
- Innovative Document Solutions - monthly maintenance costs for copier 2,000
- Miscellaneous 1,500

11-5800-414-3/4

Travel, Meetings & Education

FY 2018/2019

Budget Request

\$40,000

Justification:

Expenses incurred for attending the California Association of Sanitation Agencies (CASA) and/or the Association of California Water Agencies (ACWA) conferences held two (2) times a year, including hotel and travel expenses incurred while attending meetings, conferences, and various educational seminars. This request is for five (5) Board members, General Manager, Administrative & Finance Manager and an additional \$1,000 for each of the other two (2) administration employees.

ADMINISTRATION/BOARD

11-5801-414-3	FY 2018/2019
Certifications/Technical Certification Programs	Budget Request
	\$500

Justification:

- Certified Public Accountant (CPA) renewal (Administration & Finance Manager)
Due biennially at \$250 (even years) 250
- Project Management Professional (PMP) 150
Certification for General Manager for PMP from Project Management Institute
- Professional Engineer (PE) (General Manager) 100
Due biennially at \$200

11-5901-414-3	FY 2018/2019
Telephone	Budget Request
	\$19,500

Justification:

- VOIP main telephone system (Spectrum) 14,000
- Verizon Wireless 3,000
- Frontier (fire control alarms) 2,500

11-5950-414-3/4	FY 2018/2019
Other Expenses	Budget Request
	\$10,000

Justification:

Miscellaneous expense contingency fund

COMBINED CAPITAL EXPENDITURES & O&M BUDGET
2018/2019 BUDGET

ACCOUNT #	DESCRIPTION	2017/2018 BUDGET	ACTUAL 5/31/2018	6/30/2018 ADDITION	2017/2018 ANTICIPATED CLOSE	2017/2018 BUDGET VARIANCE	2018/2019 BUDGET REQUEST
FUND 11/O&M							
11-8630-000-0	E & M - FACILITIES	263,000	32,363	197,637	230,000	(33,000)	340,000
11-8640-000-0	OPERATIONS	8,000	-	-	-	(8,000)	-
11-8660-000-0	GENERAL FACILITIES	225,000	196,727	28,273	225,000	-	-
11-8680-000-0	ADMIN FACILITIES	50,000	29,462	538	30,000	(20,000)	60,000
11-9160-000-0	TRANSFER - REFUNDING BONDS	466,686	466,377	309	466,686	-	466,946
11-9180-000-0	TRANSFER - SRF LOAN	545,648	545,648	-	545,648	-	32,000
	RESERVE ACCOUNT	3,664,800	3,664,800	-	3,664,800	-	3,973,200
TOTAL FUND 11		5,223,134	4,935,377	226,757	5,162,134	(61,000)	4,872,146
FUND 13							
13-8623-000-0	E & M - SEWER LINES	108,741	-	-	-	(108,741)	211,240
13-8630-000-0	E & M FACILITIES	-	-	-	-	-	-
13-8643-000-0	OPERATIONS	-	-	-	-	-	-
13-8660-000-0	GENERAL FACILITIES	-	-	-	-	-	-
13-8680-000-0	ADMIN FACILITIES	-	-	-	-	-	-
TOTAL FUND 13		108,741	-	-	-	(108,741)	211,240
TOTAL CAPITAL OUTLAY BUDGET		5,331,875	4,935,377	226,757	5,162,134	(169,741)	5,083,386
TOTAL O & M BUDGET		8,615,544	-	-	-	-	9,532,340
TOTAL BUDGET		13,947,419	4,935,377	226,757	5,162,134	(169,741)	14,615,726
PROJECTED EXPENSES OUT OF RESERVES							
12-8632-000-0	E & M - SEWER LINES	1,817,628	132,512	5,488	138,000	(1,679,628)	1,691,020
12-8642-000-0	OPERATIONS	220,000	220,000	-	220,000	-	300,000
12-8660-000-0	GENERAL FACILITIES	643,600	436,679	206,921	643,600	-	644,000
12-8680-000-0	ADMIN FACILITIES	21,600	-	21,600	21,600	-	22,000
12-9140-000-0	TRANSFER - REFUNDING BONDS	428,002	427,511	491	428,002	-	428,241
TOTAL FROM RESERVES		3,130,830	1,216,702	234,500	1,451,202	(1,679,628)	3,085,261

CAPITAL EXPENDITURES	2018/2019 BUDGET
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FUND 11

CAPITAL O & M FUND	FUND TOTAL REQUEST	\$898,946
11-8630-000-0		FY 2018/2019
ENGINEERING AND MAINTENANCE		Budget Request
		\$340,000

- A) Manhole frame and covers: 15,000
Riverside County is planning on doing street improvements on Van Buren north toward Indio Blvd. The Collection Systems Department is budgeting \$15,000 to replace older manhole frames and covers when they become damaged and/or when road improvements are made on city streets.
- B) Purchase back up pumps for Calhoun lift station: 35,000
Existing lift stations were installed in 1967 and 1979, respectively, and are part of the original equipment when these facilities were installed. Recently, there has been a increase in service requiring complete pump overhauls. This service can have a turn-around of one (1) month, causing the remaining pump double the wear and tear.
- C) Secondary clarifier flight coating #3: 140,000
Coating secondary clarifier flights with epoxy coating to minimize corrosion.
- E) Collection System Master Plan update: 150,000
Update the 2013 Collection System Master Plan to include the Requa Interceptor and other sewer main improvements and re-evalualte the timing of future improvements with the slow down in the projected growth rate.

11-8660-000-0	FY 2018/2019
GENERAL FACILITIES	Budget Request
	\$0

- A) Water Reuse Project (EVRA JPA): -
(CARRYOVER FROM 2017/2018 BUDGET - \$225,000)
The District will continue efforts for the East Valley Reclamation Authority on the Reclaimed/Recycled Water Project. This is for consulting services to assist both agencies as a jointly funded project.

- B) Coachella Valley Integrated Regional Water Management Plan (IRWMP): 15,000
(CARRYOVER FROM 2017/2018 BUDGET - \$29,000)

The Coachella Valley Regional Water Management Group was formed as a collaboration of the six (6) Coachella Valley public water and/or sewer agencies: City of Coachella/Coachella Water Authority, Coachella Valley Water District, Desert Water Agency, City of Indio/Indio Water Authority, Mission Springs Water District and Valley Sanitary District to coordinate and share information concerning water supply planning and projects that address the long-term and short-term solutions to the Coachella Valley's critical water related needs.

- C) Building for ferric pumps: -
(CARRYOVER FROM 2017/2018 BUDGET - \$25,000)

Recommendation of vendor due to environmental concerns such as extreme temperature differences, direct sunlight and wind. These hazards cause breakdowns in the equipment. A building placed around the ferric pumps would protect them.

11-8680-000-0
ADMINISTRATION

FY 2018/2019
Budget Request
\$60,000

- A) Information systems upgrades: 60,000

The District information systems require software and hardware upgrades. This will also include consultants needed.

- B) Codification Services: -
(CARRYOVER FROM 2017-2018 BUDGET - \$30,000)

The District is working with Code Publishing to establish the Valley Sanitary District Code. The first payment is due when the first proof, analysis and attorney's findings are delivered and the final payment is due upon delivery of the final code and internet setup. Payment will be due in the 2018/2019 fiscal year.

11-9160-000-0
Transfer to Fund 06

FY 2018/2019
Budget Request
\$466,946

- A) Principal and interest payment for Revenue Refunding Bonds, 2015: 464,446

On August 15, 2006, the District issued \$12,915,000 Certificates of Participation to fund Phase I of the District's treatment plant expansion. The bonds were refinanced on June 1, 2015 for \$7,540,000 at 2.14% interest payable semi-annually on December 1 and June 1, commencing December 1, 2015.

- B) Annual administrative expenses for Revenue Refunding Bonds, 2015: 2,500

11-3650-000-0
CWSRF Loan Payment

FY 2018/2019
Budget Request
\$32,000

- A) Principal and interest payment for State Revolving Fund: 32,000

The District received for a loan from the Clean Water State Revolving Fund (SRF). The current interest rate is 1.7%. A \$12.75 million loan for 30 years at 1.7% results in a payment of \$545,648. Payments are due annually with the first payment due June 1, 2019. This amount will cover the June 1, 2019 payment, and leave \$545,648 in the reserve fund.

FUND 12

CAPITAL REPLACEMENT FUND

FUND TOTAL REQUEST \$3,085,261

12-8632-000-0

FY 2018/2019

ENGINEERING AND MAINTENANCE

Budget Request

\$1,691,020

- A) Private lateral grant program: 52,000
 The Private Lateral Replacement Grant Program is designed to help the property owner defray a portion of the costs required to replace or repair their lateral, including the connection fee. The maximum amount of assistance for any one (1) private sewer lateral replacement or repair is 50% of the approved cost up to a maximum reimbursement of \$2,000.
- B) Collection system repairs/rehabilitation/replacement Program Management: 245,172
 In order to properly bid the repairs, rehabilitation, and/or replacement of sewer mains and manholes, a consultant will be needed to perform the design and provide the specifications. This will greatly enhance the bidding process and provide for competitive bidding as well as help staff complete the anticipated workload.
- C) Sewer main rehabilitation or replacement construction: 1,000,000
(CARRYOVER FROM 2017/2018 BUDGET - \$260,000)
 The sewer mainlines are video inspected as part of the scheduled preventive maintenance. The sewer mains need to be lined or replaced when the condition of the sewer main has deteriorated to a point that a repair will not return the sewer main to a serviceable condition. The sewer mains needing repairs are prioritized by the severity of the deterioration and are rehabilitated or replaced according to an established schedule.
- D) Manhole rehabilitation: 106,000
 Manholes are inspected as part of the scheduled line cleaning maintenance. These inspections are reviewed to determine which manholes have deteriorated to a point that requires rehabilitation. The rehabilitation process includes cleaning the manhole/brick surface and channel, repairing cracks/holes and then coating the interior manhole surface and channel with a polyurethane coating. The polyurethane coating protects the manhole surface and repairs against deterioration and helps restore the flow characteristics of the channel.
- E) Avenue 48 sewer main upgrade design: 37,848
 As listed in the 2013 Collection System Master Plan, the Avenue 48 Sewer Main Upgrade will provide additional sewer main capacity along Avenue 48 by adding a parallel sewer main from Madison Street to just west of Shields Road.
- F) Sewer main point repairs: 106,000
 Video inspection of sewer pipelines reveals deficiencies that may include cracks, holes and offset joints. Deficiencies isolated to a single or several small areas of an otherwise serviceable pipeline may be repaired to restore pipe integrity in lieu of pipeline replacement.
- G) Contingency for emergency repairs: 44,000
 There are no anticipated expenditures to be funded from this category; however, this account provides a contingency amount in the Capital Improvement Program for replacement of critical equipment or systems which could unexpectedly fail during the fiscal year.

- H) 2018 Arc flash study update: 100,000
 An arc flash study is the evaluation of our facility of by an electrical safety expert to determine hazards and risks in relation to the electrical control panels.
- I) Steel waterline activated sludge plant: -
(CARRYOVER FROM 2017/2018 BUDGET - \$200,000)
 The above ground, steel waterline adjacent to the aeration basins is old and prone to leaks, especially at the grooved joints and has outlived its useful life. The new steel waterline will have traditional joints that will provide a longer life.

12-8642-000-0
OPERATIONS

FY 2018/2019
Budget Request
\$300,000

- A) Phase 2B plant expansion design: -
 Phase 2B plant expansion will replace an aging and capacity restricting Grit Chamber, and provide redundancy by adding a second digester, expanding the bar screens, adding two biofilters, a sludge holding tank and a sludge thickner building. Phase 2B will be prior to but sequential with Phase 2C plant expansion.
- B) Perimeter fence extension project: 300,000
 A new anti-cut/anti-climb 8 foot high perimeter fence will be constructed on the southwest portion of the property. This security fence will enhance site security.

12-8660-000-0**GENERAL FACILITIES****FY 2018/2019****Budget Request****\$644,000**A) Vehicle & Equipment Replacement Fund:

622,000

This fund is used to replace District vehicles and significant, higher cost equipment. The annual contribution is based on data collected on all vehicles and equipment using a ten (10) to twenty (20) year replacement schedule. The total cost is calculated over a twenty (20) year window using an estimated inflation percentage.

Vehicles/Equipment to be replaced in 2018/2019 include:

- Ford F250 Traffic Utility Truck
- Two (2) Aerators for the ponds
- Primary Maserators 1 and 2
- Scum Pump Maserator
- Ferric Chloride Tank
- Composite Sampler

B) Contingency for emergency repairs:

22,000

This account provides a contingency amount in the Capital Improvement Program for replacement of critical equipment or systems in General Facilities which could unexpectedly fail during the fiscal year.

12-8680-000-0**ADMINISTRATION****FY 2018/2019****Budget Request****\$22,000**A) Contingency for emergency repairs:

22,000

This account provides a contingency amount in the Capital Improvement Program for replacement of critical equipment or systems in the administration department which could unexpectedly fail during the fiscal year.

12-9140-000-0**Transfer to Fund 06****FY 2018/2019****Budget Request****\$428,241**A) Principal and interest payment for Revenue Refunding Bonds, 2015:

425,741

On August 15, 2006, the District issued \$12,915,000 Certificates of Participation to fund phase I of the District's treatment plant expansion. The bonds were refinanced on June 1, 2015 for \$7,540,000 at 2.14% interest payable semi-annually on December 1 and June 1, commencing December 1, 2015.

B) Annual administrative expenses for Revenue Refunding Bonds, 2015:

2,500

FUND 13

CAPITAL IMPROVEMENT FUND

FUND TOTAL REQUEST \$211,240

13-8623-000-0

FY 2018/2019

ENGINEERING AND MAINTENANCE

Budget Request

\$211,240

A) Avenue 48 sewer main upgrade design:

111,240

As listed in the 2013 Collection System Master Plan, the Avenue 48 Sewer Main Upgrade will provide additional sewer main capacity along Avenue 48 by adding a parallel sewer main from Madison Street to just west of Shields Road.

B) Phase 2B plant expansion design:

-

Phase 2B plant expansion will replace an aging and capacity restricting Grit Chamber, and provide redundancy by adding a second digester, expanding the bar screens, adding two biofilters, a sludge holding tank and a sludge thickener building. Phase 2B will be prior to but sequential with Phase 2C plant expansion.

C) New Training & Office Library Building - Design

100,000

Design architect for new training and office library building.

Section 8

FY 2018 / 2019 Budget

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Private Lateral Grant Program

Description

The Private Lateral Replacement Grant Program is designed to help the property owner defray a portion of the costs required to replace or repair their lateral including the connection fee. The maximum amount of assistance for any one (1) private sewer lateral replacement or repair is fifty percent (50%) of the approved cost up to a maximum reimbursement of \$2,000.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	NA	NA
Bidding & Permitting	July 1, 2018	June 30, 2019
Construction	July 1, 2018	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
Construction	52,000.	00.
TOTAL	52,000.	00.
TOTAL BUDGET	52,000.	

Location

Collection System within District boundaries

Sewer Main Rehabilitation or Replacement Program Management

Description

In order to properly bid the repairs, rehabilitation, and/or replacement of sewer mains and manholes, a consultant will be needed to perform the design and provide the specifications. This will greatly enhance the bidding process and provide for competitive bidding as well as help staff complete the anticipated workload.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	April 30, 2019
Bidding & Permitting	May 1, 2019	June 30, 2019
Construction	July 1, 2019	June 30, 2020

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Bidding & Permitting	00.	00.
Design	245,172.	00.
Construction	00.	00.
TOTAL	245,172.	00.
TOTAL BUDGET	245,172.	

Location

Collection System within District boundaries

Sewer Main Rehabilitation or Replacement Construction

Description

The sewer mainlines are video inspected as part of the scheduled preventive maintenance. The sewer mains need to be lined or replaced when the condition of the sewer main has deteriorated to a point that a repair will not return the sewer main to a serviceable condition. The sewer mains needing repairs are prioritized by the severity of the deterioration and are rehabilitated or replaced according to an established schedule.

Anticipated Schedule

Phase 1

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	April 30, 2019
Bidding & Permitting	May 1, 2019	June 30, 2019
Construction	July 1, 2019	June 30, 2020

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Planning & Permitting	00.	00.
Design	1,000,000.	00.
Construction	00.	00.
TOTAL	1,000,000.	00.
TOTAL BUDGET	1,000,000.	

Location

Collection System within District boundaries.

Manhole Rehabilitation

Description

Manholes are inspected as part of the scheduled line cleaning maintenance. These inspections are reviewed to determine which manholes have deteriorated to a point that requires rehabilitation. The rehabilitation process includes cleaning the manhole/brick surface and channel, repairing cracks/holes and then coating the interior manhole surface and channel with a polyurethane coating. The polyurethane coating protects the manhole surface and repairs from deterioration and helps restore the flow characteristics of the channel.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	December 31, 2018
Bidding & Permitting	January 1, 2019	February 28, 2019
Construction	March 1, 2019	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Bidding & Permitting	00.	00.
Design	00.	00.
Construction	106,000.	00.
TOTAL	106,000.	00.
TOTAL BUDGET	106,000.	

Location

Collection System within District boundaries

Avenue 48 Sewer Main Upgrade Project

Description

As listed in the 2013 Collection System Master Plan, the Avenue 48 Sewer Main Upgrade will provide additional sewer main capacity along Avenue 48 by adding a parallel sewer main from Madison Street to just west of Shields Road.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	March 31, 2018
Bidding & Permitting	April 1, 2019	June 30, 2019
Construction	July 1, 2019	June 30, 2020

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Bidding & Permitting	00.	00.
Design	37,848.	111,240.
Construction	363,734.	1,069,049.
TOTAL	401,582.	1,180,289.
TOTAL BUDGET		1,581,871.

Location

Avenue 48 from Madison Street to Shields Road

Sewer Main Point Repairs

Description

Video inspection of sewer pipelines reveals deficiencies that may include cracks, holes and offset joints. Deficiencies isolated to a single or several small areas of an otherwise serviceable pipeline may be repaired to restore pipe integrity in lieu of pipeline replacement.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	December 31, 2018
Bidding & Permitting	January 1, 2019	February 28, 2019
Construction	March 1, 2019	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Bidding & Permitting	00.	00.
Design	00.	00.
Construction	106,000.	00.
TOTAL	106,000.	00.
TOTAL BUDGET		106,000.

Location

Collection System within District boundaries

Demolish Shields Lift Station

Description

The current lift station has been off line since the completion of the Requa Interceptor and adjoining 10-inch sewer main along Avenue 46. It is located within a IWA reservoir site and should be removed. This project includes demolishing the control panel shed and wet well.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	NA	NA
Bidding & Permitting	NA	NA
Construction	July 1, 2018	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
Construction	40,000.	00.
TOTAL	40,000.	00.
TOTAL BUDGET		40,000.

Location

Near Shields Road in Indio, CA

Contingency for Emergency Repairs

Description

There are no anticipated expenditures to be funded from this category; however, this account provides a contingency amount in the Capital Improvement Program for replacement of critical equipment or systems which could unexpectedly fail during the fiscal year.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	June 30, 2019
Bidding & Permitting	NA	NA
Construction	July 1, 2018	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
Contingency	88,000.	00.
TOTAL	88,000.	00.
TOTAL BUDGET		88,000.

Location

Within the Engineering/Maintenance, Operations, and Administration Departments

Steel Waterline Replacement Project

Description

The above ground, steel waterline adjacent to the aeration basins is old and prone to leaks, especially at the grooved joints and has outlived its useful life. The new steel waterline will have traditional joints that will provide a longer life.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	August 31, 2018
Bidding & Permitting	September 4, 2018	October 31, 2018
Construction	November 1, 2018	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
Construction	200,000.	00.
TOTAL	200,000.	00.
TOTAL BUDGET		200,000.

Location

Adjacent to the aeration basins

Phase 2B Plant Expansion

Description

Phase 2B Plant Expansion will replace an aging and capacity restricting Grit Chamber, and provide redundancy by adding a second digester, expanding the bar screens, adding two biofilters, a sludge holding tank and a sludge thickener building. Phase 2B will be prior to but sequential with Phase 2C Plant Expansion.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	July 1, 2018	May 1, 2019
Design	July 1, 2018	May 1, 2019
Bidding & Permitting	May 1, 2019	June 30, 2019
Construction	July 1, 2019	June 30, 2020

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	2,615,083.	961,491.
Bidding & Permitting	00.	00.
CM & Construction	19,754,314.	7,263,097.
TOTAL	22,369,397.	8,224,588.
TOTAL BUDGET		30,593,985.

Location

VSD Water Reclamation Facility

Phase 2C Plant Expansion

Description

Phase 2C Plant Expansion will decommission Pond 2 and the Waste Activated Sludge system to allow for the expansion of the sludge drying bed. Phase 2C incorporates the installation of a digester gas holding facility, a redundant flare, and the implementation of a cogeneration facility to provide additional energy for the Plant.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	July 1, 2019	May 1, 2020
Design	July 1, 2019	May 1, 2020
Bidding & Permitting	May 1, 2020	June 30, 2020
Construction	July 1, 2020	June 30, 2021

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	1,505,316.	718,881.
Bidding & Permitting	00.	00.
CM & Construction	11,369,878.	5,429,816.
TOTAL	12,875,194.	6,148,697.
TOTAL BUDGET		19,023,891.

Location

VSD Water Reclamation Facility

Perimeter Fence Extension Project

Description

A new anti-cut/anti-climb 8 foot high perimeter fence will be constructed on the southwest portion of the property. This security fence will enhance site security.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	NA	NA
Bidding & Permitting	June 1, 2018	June 30, 2018
Construction	July 5, 2018	September 29, 2018

Budget (Current \$)

Description	Fund 11	Fund 12
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
CM & Construction	300,000.	00.
TOTAL	300,000.	00.
TOTAL BUDGET	300,000.	

Location

VSD Water Reclamation Facility

Vehicle and Equipment Replacement Fund

Description

This fund is used to replace District vehicles and significant, higher cost equipment. The annual contribution is based on data collected on all vehicles and equipment using a ten (ten) to twenty (20) year replacement schedule. The total cost is calculated over a twenty (20) year window using an estimated inflation percentage.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	July 1, 2018	December 31, 2018
Bidding & Permitting	NA	NA
Construction	January 1, 2019	June 30, 2019

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	00.	00.
Bidding & Permitting	00.	00.
Annual Fund amount	622,000.	00.
TOTAL	622,000.	00.
TOTAL BUDGET	622,000	

Location

VSD Water Reclamation Facility

Wastewater Revenue Refunding Bonds Series 2015

Description

On August 15, 2006, the District issued \$12,915,000 Certificates of Participation to fund phase I of the District's treatment plant expansion. The bonds were refinanced on June 1, 2015 for \$7,540,000 at 2.14% interest payable semi-annually on December 1 and June 1, commencing December 1, 2015.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	NA	NA
Design	NA	NA
Bidding & Permitting	NA	NA
Construction	NA	NA

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Bidding & Permitting	00.	00.
Administrative expenses	2,500.	00.
Annual Bond amount	425,741.	00.
TOTAL	00.	00.
TOTAL BUDGET	428,241.	

Location

VSD Water Reclamation Facility

Year 5 Collection System CIP Project Upgrades

Description

This CIP Upgrade Project consists of four separate sewer main locations throughout the District that were identified in the 2013 Collection System Master Plan of needing additional capacity by 2018 and beyond. The need for additional capacity is based on current zoning and population growth rates. These four sewer main projects will be identified separately in future budgets.

Anticipated Schedule

Description	Start	Complete
Environmental clearance	July 1, 2019	May 1, 2020
Design	July 1, 2019	May 1, 2020
Bidding & Permitting	May 1, 2020	June 30, 2020
Construction	July 1, 2020	June 30, 2021

Budget (Current \$)

Description	Fund 12	Fund 13
Environmental clearance	00.	00.
Design	44,792.	131,648.
Bidding & Permitting	00.	00.
CM & Construction	430,795.	1,266,150.
TOTAL	475,587.	1,397,798.
TOTAL BUDGET		1,873,385.

Location

Within the VSD Collection System

VEHICLE AND MAJOR EQUIPMENT REPLACEMENT FUND																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
		Fiscal Year ->	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	
Make/Model	Current Value	Replacement Value																					TOTAL
John Deere 777 Riding Lawnmower	\$6,500.00	\$20,000.00		20,600										27,685									48,285
Ford Flat Bed	\$7,000.00	\$50,000.00		51,500																			51,500
Ford F250 Traffic Utility Truck	\$5,000.00	\$38,000.00	38,000																				38,000
Ford Dump Truck 750	\$20,000.00	\$100,000.00		103,000																			103,000
Caterpillar Backhoe 420D	\$48,000.00	\$160,000.00				174,836																	174,836
Caterpillar Telehandler Forklift	\$76,000.00	\$230,000.00					258,867																258,867
Cat Skid Steer	\$55,000.00	\$102,000.00						118,246															118,246
Kabota 4WD Tractor	\$39,000.00	\$40,000.00																	64,188				64,188
CAT Loader 926M	\$160,000.00	\$190,000.00																			323,462		323,462
Ford F150 4X4 Crew Cab	\$18,500.00	\$30,000.00			31,827								40,317										72,144
Ford F350 Utility Truck	\$20,000.00	\$45,000.00		46,350										62,291									108,641
Ford F150	\$15,800.00	\$21,000.00						24,345										32,717					57,062
Ford F 150 Supercrew	\$24,000.00	\$27,000.00						31,300										42,065					73,366
Ford F150 4X4	\$25,000.00	\$28,000.00									35,470										47,668		83,138
Ford F150 4X2	\$20,000.00	\$21,000.00										27,400										36,824	64,224
Sewer Jet on trailer	\$42,000.00	\$60,000.00						69,556															69,556
Kenworth T440 Vactor	\$415,000.00	\$415,000.00						481,099										646,556					1,127,655
OZ 3 Pan & Tilt Camera & Transpor	\$40,000.00	\$50,000.00				54,636										73,427					85,122		276,523
Ford E 450 CCTV Van	\$130,000.00	\$150,000.00										190,016									255,365		445,380
John Deere XUV 620I Cart	\$6,000.00	\$12,000.00				13,113																	13,113
John Deere 4X2 Gator Cart	\$6,000.00	\$12,000.00				13,113																	13,113
Kobota RX 9000 Cart	\$12,000.00	\$12,500.00												16,799									16,799
Kawasaki Mule 600 Cart	\$8,000.00	\$10,000.00													13,842								13,842
Club Car Carryall 700E #1	\$13,000.00	\$15,000.00										19,002									25,536		44,538
Club Car Carryall 700E #2	\$13,000.00	\$15,000.00										19,002									25,536		44,538
Club Car Carryall 700E #3	\$13,000.00	\$15,000.00										19,002									25,536		44,538
Club Car Carryall 700E #4	\$13,000.00	\$15,000.00										19,002									25,536		44,538
Club Car Carryall 700E #5	\$13,000.00	\$15,000.00										19,002									25,536		44,538
Hotwood Pontoon Boat	\$9,000.00	\$10,000.00														14,685							14,685
6" Trash Pump Godwin	\$21,000.00	\$30,000.00											40,317										40,317
LWT Dredge #2	\$56,000.00	\$115,000.00												154,550									154,550
Dredge #1	\$56,000.00	\$115,000.00												154,550									154,550
Aeration Basin No. 1 Diffusers	\$25,000.00	\$70,000.00											88,674								119,170		207,844
Aeration Basin No. 2 Diffusers	\$25,000.00	\$70,000.00											88,674								119,170		207,844
Aeration Basin No. 3 Diffusers	\$25,000.00	\$70,000.00											88,674								119,170		207,844
Aeration Basin No. 4 Diffusers	\$25,000.00	\$70,000.00											88,674								119,170		207,844
Influent Pump #1	\$40,000.00	\$69,000.00														98,378							98,378
Influent Pump #2 - Rebuilt 2018	\$25,000.00	\$69,000.00											92,730										92,730
Influent Pump #3 - Empty	\$0.00	\$69,000.00											92,730										92,730
Influent Pump #4	\$15,000.00	\$69,000.00										90,029											90,029
Influent Pump #5	\$15,000.00	\$69,000.00										90,029											90,029
Influent Pump #6	\$50,000.00	\$69,000.00														101,329							101,329
RAS Pump #1	\$12,000.00	\$24,000.00											31,315								39,668		70,983
RAS Pump #2	\$12,000.00	\$24,000.00											31,315										31,315
RAS Pump #3 - Rebuilt 2017	\$12,000.00	\$24,000.00											31,315										31,315
RAS Pump #4 - Rebuilt 2017	\$12,000.00	\$24,000.00											31,315										31,315
RAS Pump #5	\$12,000.00	\$24,000.00											31,315										31,315
CAT 800KW Diesel Generator #2	\$90,000.00	\$200,000.00				218,545																	218,545
CAT 150KW Diesel Generator #3	\$55,000.00	\$80,000.00								98,390													98,390
CAT 600KW Diesel Generator #4	\$121,000.00	\$121,000.00															183,023						183,023
Aerator North Cell ATI 15 HP	\$10,000.00	\$23,000.00	23,000																				23,000
Aerator North Cell House - 2017	\$8,000.00	\$23,000.00						26,663															26,663
Aerator South Cell Vertical #1	\$7,500.00	\$23,000.00											30,010										30,010
Aerator South Cell Vertical #2	\$7,500.00	\$23,000.00											30,010										30,010
Aerator Vertical #3 Offline	\$7,500.00	\$23,000.00																					0
Aerator Pond 2 - #1 Monsoon	\$5,000.00	\$23,000.00	23,000																				23,000
Aerator Pond 2 - #2 S & N	\$2,000.00	\$23,000.00																					

VEHICLE AND MAJOR EQUIPMENT REPLACEMENT FUND																							
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
		Fiscal Year ->	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	
Make/Model	Current Value	Replacement Value																					TOTAL
Primary maserators 2	\$20,000.00	\$20,000.00	20,000										26,878										46,878
Primary sump pump	\$6,000.00	\$12,000.00					13,506										18,151						31,657
Primary flight drives 1	\$25,000.00	\$50,000.00															75,629						75,629
Primary flight drives 2	\$25,000.00	\$50,000.00															75,629						75,629
Hiliskim drives 1	\$25,000.00	\$75,000.00														110,140							110,140
Hiliskim drives 2	\$25,000.00	\$75,000.00															113,444						113,444
Scum pumps 1	\$15,000.00	\$35,000.00					39,393									51,399							90,791
Scum pumps 2	\$15,000.00	\$35,000.00					39,393										52,941						92,333
Scum pump maserator	\$15,000.00	\$20,000.00	20,000										26,878										46,878
Scalping valve	\$5,000.00	\$10,000.00															15,126						15,126
Turblex blowers 1	\$300,000.00	\$350,000.00										456,671											456,671
Turblex blowers 2	\$300,000.00	\$350,000.00											470,371										470,371
Turblex blowers 3	\$300,000.00	\$350,000.00												484,482									484,482
Anoxic selector mixer 1	\$8,000.00	\$12,000.00							14,329														14,329
Anoxic selector mixer 2	\$8,000.00	\$12,000.00							14,329														14,329
Anoxic selector mixer 3	\$8,000.00	\$12,000.00						13,911															13,911
Anoxic selector mixer 4	\$8,000.00	\$12,000.00						13,911															13,911
Anoxic selector mixer 5	\$8,000.00	\$12,000.00						13,911															13,911
Anoxic selector mixer 6	\$8,000.00	\$12,000.00						13,911															13,911
Anoxic selector mixer 7	\$8,000.00	\$12,000.00							14,329														14,329
Anoxic selector mixer 8	\$8,000.00	\$12,000.00							14,329														14,329
Drainage pumps aeration basins 1	\$15,000.00	\$20,000.00					22,510									29,371							51,881
Drainage pumps aeration basins 2	\$15,000.00	\$20,000.00					22,510										30,252						52,762
Secondary clarifier flight & drive 1	\$8,000.00	\$10,000.00										13,048											13,048
Secondary clarifier flight & drive 2	\$8,000.00	\$10,000.00										13,048											13,048
Secondary clarifier flight & drive 3	\$8,000.00	\$10,000.00										13,842											13,842
Secondary drainage pumps 1	\$15,000.00	\$16,000.00										20,876											20,876
Secondary drainage pumps 2	\$15,000.00	\$16,000.00										20,876											20,876
Hypochlorite tanks 1	\$30,000.00	\$35,000.00											47,037										47,037
Hypochlorite tanks 2	\$30,000.00	\$35,000.00											49,902										49,902
Secondary water pumps 1	\$15,000.00	\$115,000.00						133,317															133,317
Secondary water pumps 2	\$15,000.00	\$115,000.00						133,317															133,317
Sodium bisulfite tanks 1	\$20,000.00	\$40,000.00						46,371															46,371
Sodium bisulfite tanks 2	\$20,000.00	\$40,000.00														58,741							58,741
Ferric chloride tank	\$5,000.00	\$30,000.00	30,000															46,739					76,739
Ferric chloride pump 1	\$4,000.00	\$5,000.00									6,334										8,512		14,846
Ferric chloride pump 2	\$4,000.00	\$5,000.00									6,334										8,512		14,846
Belt press 1	\$100,000.00	\$250,000.00											335,979										335,979
Belt press 2	\$100,000.00	\$250,000.00												346,058									346,058
Belt press pumps 1	\$10,000.00	\$30,000.00											40,317										40,317
Belt press pumps 2	\$10,000.00	\$30,000.00												41,527									41,527
Belt press maserator	\$30,000.00	\$35,000.00									44,337										59,585		103,922
Sludge Storage Tank	\$5,000.00	\$35,000.00											47,037										47,037
Digester Mixing Pumps 1	\$65,000.00	\$100,000.00														146,853							146,853
Digester Mixing Pumps 2	\$65,000.00	\$100,000.00															151,259						151,259
Digester recirculation pumps 1	\$17,000.00	\$25,000.00														36,713							36,713
Digester recirculation pumps 2	\$17,000.00	\$25,000.00															37,815						37,815
Digester Heat Exchanger	\$40,000.00	\$50,000.00															75,629						75,629
Hot water pumps 1	\$5,000.00	\$10,000.00														14,685							14,685
Hot water pumps 2	\$5,000.00	\$10,000.00															15,126						15,126
Hot water pumps 3	\$5,000.00	\$10,000.00																15,580					15,580
Hot water pumps 4	\$5,000.00	\$10,000.00																15,580					15,580
Influent wetwell level controller	\$10,000.00	\$10,000.00												13,842									13,842
Main line magnetic meter	\$10,000.00	\$40,000.00		41,200																			41,200
Bypass magnetic meter	\$35,000.00	\$40,000.00															60,504						60,504
Gantry crane	\$25,000.00	\$75,000.00							89,554														89,554
Boiler	\$150,000.00	\$200,000.00														293,707							293,707
Compressor	\$150,000.00	\$200,000.00																311,593					311,593
Flare	\$100,000.00	\$150,000.00															226,888						226,888
Composite Sampler	\$0.00	\$8,000.00	8,000																				8,000
			182,000	262,650	40,314	474,244	396,179	1,119,859	146,868	98,390	795,532	962,412	1,663,273	989,727	241,286	1,004,477	1,207,047	1,218,362	175,443	247,927	1,392,590	36,824	12,655,403
																	FUND REQUIREMENT PER YEAR						621,770
Provides for the Replacement of Vehicles and Major Equipment Over a 20 Year Period																	Total Annual Cost				\$622,000		
Reserve Fund Balance 7/1/17	\$ 716,084																						
Amount Transferred	\$ 622,000																						
Subtotal	\$ 1,338,084																						
Amount Purchased as of 2/28/18	\$ (436,125)																						
Planned Purchase as of 6/30/18	\$ -																						
Reserve Fund Balance 6/30/18	\$ 901,959																						

VALLEY SANITARY DISTRICT - CAPITAL IMPROVEMENT AND CAPITAL REPLACEMENT PLAN

			2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		Total for Future Years	
			Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs	Fund 12 Costs	Fund 13 Costs
	NOTES	PROJECT																						
Capital Projects - Plant																								
	¹	Revenue Bonds 2015 - (11 year term)	\$428,241		\$427,763		\$428,959		\$426,926		\$426,567		\$426,119		\$426,956		\$426,836							
	⁷	Plant Expansion 2B/2C Design Build Debt Service									\$2,158,191		\$2,158,191		\$2,158,191		\$2,158,191		\$2,158,191		\$2,158,191		\$32,372,865	
	⁴	Phase 3 Plant Expansion Design															\$1,745,715	\$1,639,400						
	⁴	Phase 3 Plant Expansion Construction & CM																	\$6,594,367	\$6,594,367				
	⁴	Future Plant Expansion 2040 & beyond																					\$108,062,838	\$108,062,838
	⁸	Vehicle & Major Equipment Replacement Fund	\$622,000		\$622,000		\$622,000		\$622,000		\$622,000		\$622,000		\$622,000		\$622,000		\$622,000		\$622,000			
	⁷	Asset Management System (Carry Over)																						
	⁷	Steel Water Line Replacement (Carry Over)																						
	⁷	Fence Extension & Fortification	\$300,000																					
	⁶	New Training & Office Library Building - Design		\$100,000																				
	⁷	Arc Flash Study Update 2018	\$100,000																					
Capital Projects - Collections																								
	⁷	Lateral Grant Program	\$52,000		\$53,040		\$54,101		\$55,183		\$56,287		\$57,413		\$58,561		\$59,732		\$60,927		\$62,146			
	⁷	Sewer Main Rehabilitation or Replacement Design	\$245,172		\$252,527		\$390,154		\$267,906		\$413,915		\$284,221		\$292,748		\$301,530		\$310,576		\$500,000			
	⁷	Sewer Main Rehabilitation or Replacement Const.	\$1,000,000		\$7,243,990		\$1,000,000		\$6,404,291		\$1,000,000		\$6,794,312		\$1,000,000		\$7,208,086		\$1,000,000		\$7,647,058			
	⁷	Manhole Rehabilitation	\$106,000		\$109,180		\$112,455		\$115,829		\$119,304		\$122,883		\$126,569		\$130,366		\$134,277		\$138,305			
	⁷	Sewer Main Point Repairs	\$106,000		\$109,180		\$112,455		\$115,829		\$119,304		\$122,883		\$126,569		\$130,366		\$134,277		\$138,305			
	⁵	Avenue 48 Sewer Main Upgrade Design	\$37,848	\$111,240																				
	⁵	Avenue 48 Sewer Main Upgrade Construction			\$363,734	\$1,069,049																		
	⁵	Avenida Esmeralda Interceptor Design			\$4,293	\$12,617																		
	⁵	Avenida Esmeralda Interceptor Construction			\$39,931	\$117,361																		
	⁵	5 year Collection System CIP Design			\$44,792	\$131,648																		
	⁵	5 year Collection System CIP Construction					\$430,795	\$1,266,150																
	⁶	Build-out Collection System CIP projects																					\$5,921,295	
	⁷	Requa Interceptor SRF Debt Service			\$545,648		\$545,648		\$545,648		\$545,648		\$545,648		\$545,648		\$545,648		\$545,648		\$545,648		\$6,002,128	
CONTINGENCY - All Departments Combined			\$88,000		\$89,760		\$91,555		\$93,386		\$95,254		\$97,159		\$99,102		\$101,084		\$103,106		\$105,168		\$1,046,383	
		TOTAL	\$3,085,261	\$211,240	\$9,905,837	\$1,330,676	\$3,788,123	\$1,266,150	\$8,646,998	\$0	\$5,556,470	\$0	\$11,230,830	\$0	\$5,456,344	\$0	\$13,429,554	\$1,639,400	\$11,663,369	\$6,594,367	\$11,916,821	\$0	\$147,484,214	\$113,984,133
		Cumulative total	\$5,178,485	\$211,240	\$15,084,323	\$1,541,916	\$18,872,445	\$2,808,066	\$27,519,443	\$2,808,066	\$33,075,913	\$2,808,066	\$44,306,742	\$2,808,066	\$49,763,086	\$2,808,066	\$63,192,640	\$4,447,467	\$74,856,009	\$11,041,834	\$86,772,830	\$11,041,834	\$187,897,198	\$150,615,710
		Fund 13																						
		Fund 13 Capital Expenses		\$211,240		\$1,330,676		\$1,266,150	\$0	\$0		\$0		\$0		\$0		\$1,639,400		\$6,594,367		\$0		
		Projected Fund 13 Revenue		\$922,055		\$1,254,490		\$1,372,034	\$1,656,787	\$1,741,436		\$1,829,433		\$1,920,895		\$2,171,183		\$2,183,662		\$2,217,086				
		Projected Fund 13 Reserve beginning of year		\$4,058,614		\$4,769,429		\$4,693,243	\$4,799,127		\$6,455,913		\$8,197,350		\$10,026,782		\$11,947,677		\$12,479,460		\$8,068,755			
		Projected Fund 13 Reserve end of year		\$4,769,429		\$4,693,243		\$4,799,127	\$6,455,913		\$8,197,350		\$10,026,782		\$11,947,677		\$12,479,460		\$8,068,755		\$10,285,841			
		Fund 12																						
		Fund 12 Capital Expenses	\$3,085,261		\$9,905,837		\$3,788,123		\$8,646,998		\$5,556,470		\$11,230,830		\$5,456,344		\$13,429,554		\$11,663,369		\$11,916,821			
		Projected Fund 12 Revenue	\$4,053,823		\$4,518,198		\$6,018,330		\$6,752,086		\$7,484,188		\$7,472,845		\$7,465,524		\$7,478,339		\$7,550,579		\$7,624,986			
		Projected Fund 12 Reserve beginning of year	\$19,860,330		\$20,828,891		\$15,441,252		\$17,671,459		\$15,776,548		\$17,704,266		\$13,946,282		\$15,955,462		\$10,004,247		\$5,891,457			
		Projected Fund 12 Reserve end of year	\$20,828,891		\$15,441,252		\$17,671,459		\$15,776,548		\$17,704,266		\$13,946,282		\$15,955,462		\$10,004,247		\$5,891,457		\$1,599,622			

¹ Cost allocation of 52% to expansion is based on \$6M of the \$11.5M bond funds having been applied to project costs that increased capacity.

² Cost allocation of 30% to expansion is based on engineer's cost estimate and evaluation

³ Cost allocation of 40% to expansion is based on engineer's cost estimate and evaluation

⁴ Cost allocation of 50% to expansion is based on engineer's cost estimate and evaluation

⁵ Cost allocation of 75% to expansion is based on engineer's cost estimate and evaluation

⁶ Cost allocation of 100% to expansion as the total need for project is due to future development.

⁷ Cost allocation of 0% to expansion as this is replacement or rehabilitation of existing facilities or due to Fund 11 debt service