



Las Virgenes – Triunfo Joint Powers Authority

FY 2020-21

and

FY 2021-22

Budget

**Las Virgenes – Triunfo
Joint Powers Authority**

Fiscal Year 2020-21
And
Fiscal Year 2021-22

Triunfo Water & Sanitation District

James Wall - Vice Chair
Raymond Tjulander
Jane Nye
Janna Orkney
Leon Shapiro

Mark Norris – General Manager

Las Virgenes Municipal Water District

Jay Lewitt - Chair
Leonard Polan
Charles Caspary
Lynda Lo-Hill
Lee Renger

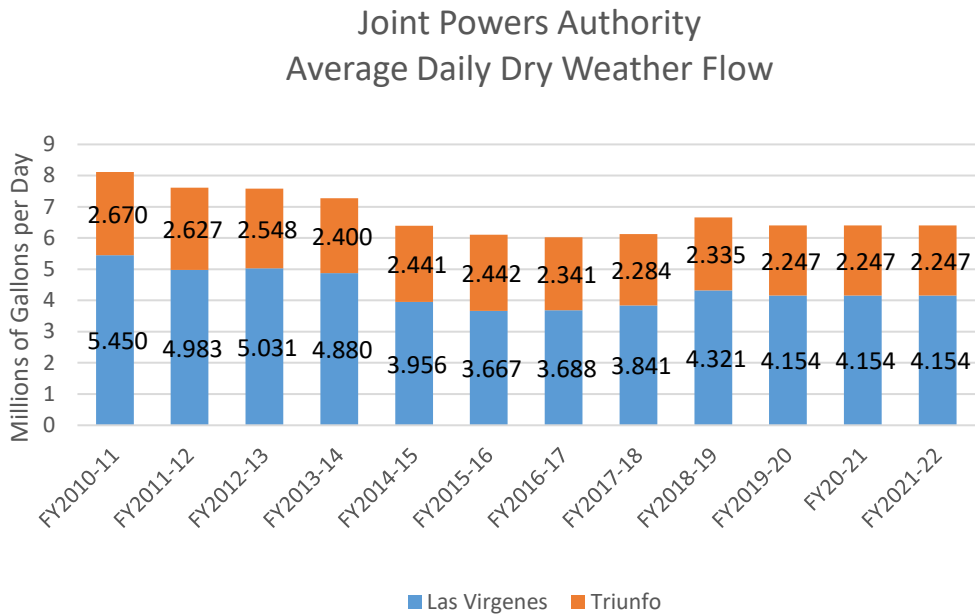
David Pedersen – General Manager

Administering Agency:
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302-1994
818.251.2100
www.lvmwd.com

BUDGET OVERVIEW

The following pages present an overview of the Fiscal Year 2020-22 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement.

The following graph shows the participant's sewage flows since FY 2010-11. The reduction in flows reflects low growth policies of cities within the watershed, diversion of some sewage to the City of Los Angeles, water allocations to customers within the respective sewer service areas of the Joint Powers Authority partners, and conservation efforts due to the on-going statewide drought for the last several years. The budgeted flows in FY 2020-22 assume no increase as the impacts of the drought are expected to level off.

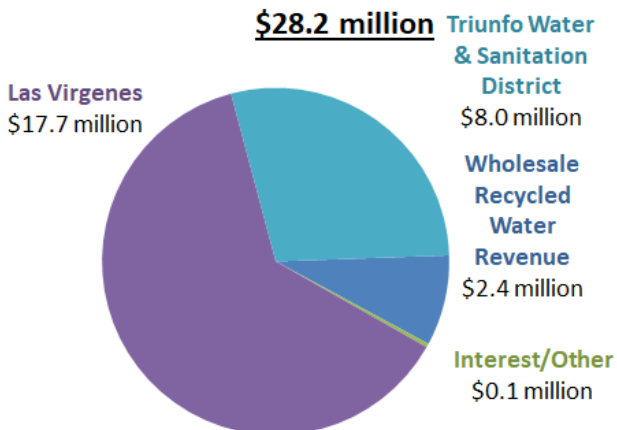


Source of Joint Powers Authority Funds

The Joint Powers Authority (JPA) receives revenue from sales of recycled water, compost sales and from interest revenue, but the JPA partners contribute most of the funds for the JPA, as shown below.

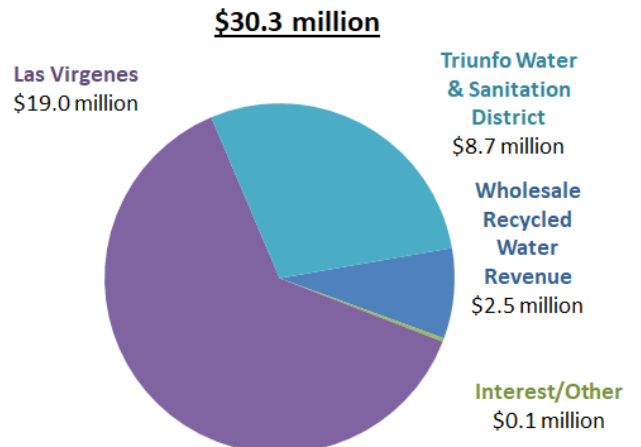
**JOINT POWERS AUTHORITY
FY 2020-21 SOURCES OF FUNDS**

\$28.2 million



**JOINT POWERS AUTHORITY
FY 2021-22 SOURCES OF FUNDS**

\$30.3 million



The operating expenses of the JPA are allocated to the participants in four ways, depending upon the type of expenses. The basis of allocation is:

- Participants' reserve capacity rights in the trunk sewer (FY 2020-21 and FY 2021-22: LVMWD 39.4%; TWSD 60.6%),
- Participants' reserve capacity rights in the treatment plant and recycled water system (FY 2020-21 and FY 2021-22: LVMWD 70.6%; TWSD 29.4%),
- Participants' flow into the treatment plant (varies monthly – FY 2020-21: projected to be LVMWD 63.1%; TWSD 36.9%, and FY 2021-22: projected to be LVMWD 63.1%; TWSD 36.9%), or
- Equal shares by participants for audit and meter station expense.

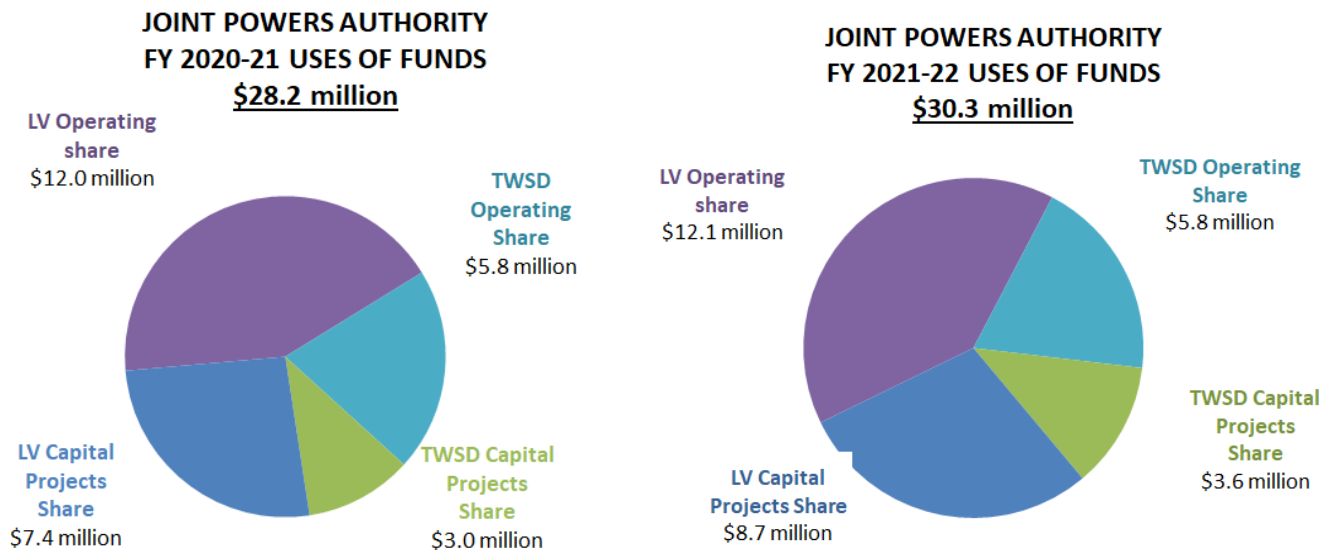
Because allocation of expense varies by type of expense, the overall percentage allocated to each participant changes from year to year. The total anticipated contribution from partners in FY 2020-21 is estimated to be \$0.6 million more than budgeted in FY 2019-20 for operations contribution and \$0.7 million more in capital projects contribution. For FY 2021-22, operations contribution is estimated to be \$0.1 million less than budgeted in FY2020-21 and \$1.9 million more in capital projects contribution.

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
WORKING CAPITAL ANALYSIS - SOURCES OF FUNDS

	FY2017-18 ACTUAL	FY2018-19 ACTUAL	FY2019-20 BUDGET	FY2019-20 EST. ACTUAL	FY2020-21 BUDGET	FY2021-22 BUDGET
Operating Revenue						
Recycled Water Revenue						
Las Virgenes Municipal Water District	1,603,106	1,503,857	1,838,299	1,882,618	1,838,192	1,954,050
Triunfo Water & Sanitation District	678,150	564,870	849,097	579,991	540,397	573,984
Total Recycled Water Revenue	<u>2,281,256</u>	<u>2,068,727</u>	<u>2,687,396</u>	<u>2,462,609</u>	<u>2,378,589</u>	<u>2,528,034</u>
MWD Incentive - Local Projects	-	-	-	-	-	-
Other	64,477	46,547	80,000	65,000	80,000	80,000
Total Operating Revenue	<u>2,345,733</u>	<u>2,115,274</u>	<u>2,767,396</u>	<u>2,527,609</u>	<u>2,458,589</u>	<u>2,608,034</u>
Interest & Other Revenue	<u>69,273</u>	<u>164,219</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>
Participant's Contribution						
Las Virgenes Municipal Water District						
Operations	8,954,214	9,251,780	9,918,452	9,571,594	10,323,097	10,235,773
Capital Projects	4,305,115	5,809,903	6,818,691	5,009,664	7,347,053	8,740,169
Total Las Virgenes Triunfo	<u>13,259,329</u>	<u>15,061,683</u>	<u>16,737,143</u>	<u>14,581,258</u>	<u>17,670,150</u>	<u>18,975,942</u>
Water & Sanitation District						
Operations	4,309,989	4,458,738	4,874,758	4,552,173	5,006,173	5,020,493
Capital Projects	1,792,781	2,419,422	2,839,512	2,086,177	3,059,538	3,639,674
Total Triunfo	<u>6,102,770</u>	<u>6,878,160</u>	<u>7,714,270</u>	<u>6,638,350</u>	<u>8,065,711</u>	<u>8,660,167</u>
Total Sources of Funds	<u>21,777,105</u>	<u>24,219,336</u>	<u>27,238,809</u>	<u>23,767,217</u>	<u>28,214,450</u>	<u>30,264,143</u>

Use of Joint Powers Authority Funds

For operations and capital improvement projects, the use of funds in the proposed budget is \$28.2 million for FY 2020-21, and \$30.3 million for FY 2021-22, as shown below.



The proposed operating expenses for FY 2020-21 are approximately \$247 thousand or 1.41% higher than the adopted budget for FY 2019-20. The main drivers for the increased operating expenses are projected increases of allocated labor and support costs offset by decreases in electricity costs. Capital projects have increased by \$0.7 million for FY 2020-21. For FY 2021-22 operating expenses are \$76 thousand more than budgeted in FY2020-21 primarily due to increased allocated labor and support costs offset by decreases in electricity costs.

The proposed capital improvement project (CIP) budget for FY 2020-21 is approximately \$0.7 million higher than the budget for FY2019-20. This variance is detailed in the capital improvement projects detailed listing and varies from year-to-year based on the approved CIP and the timing of project completion. For FY 2021-22, capital improvement projects budget is approximately \$2.7 million more than budgeted in FY 2020-21.

LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY WORKING CAPITAL ANALYSIS - USES OF FUNDS

	FY2017-18 ACTUAL	FY2018-19 ACTUAL	FY2019-20 BUDGET	FY2019-20 EST. ACTUAL	FY2020-21 BUDGET	FY2021-22 BUDGET
Operating Expenses						
Las Virgenes Municipal Water District	10,583,466	10,793,257	11,866,909	11,253,179	12,020,305	12,071,903
Triunfo Water & Sanitation District	5,095,743	5,196,754	5,713,697	5,418,197	5,787,554	5,812,397
Total Operating Expenses	15,679,209	15,990,011	17,580,606	16,671,376	17,807,859	17,884,300
Non-Operating Expenses						
Las Virgenes Municipal Water District	-	-	-	-	-	-
Triunfo Water & Sanitation District	-	-	-	-	-	-
Total Non-Operating Expenses	-	-	-	-	-	-
Capital Projects						
Las Virgenes Municipal Water District	4,305,115	5,809,903	6,818,691	5,009,664	7,347,053	8,740,169
Triunfo Water & Sanitation District	1,792,781	2,419,422	2,839,512	2,086,177	3,059,538	3,639,674
Total Capital Projects	6,097,896	8,229,325	9,658,203	7,095,841	10,406,591	12,379,843
Total Uses of Funds	21,777,105	24,219,336	27,238,809	23,767,217	28,214,450	30,264,143

Wholesale Recycled Water Rates

At the JPA meeting on June 6, 2011, the joint board approved a new formula for determining the wholesale price of recycled water, that is, the price that the JPA charges to its two customers—Las Virgenes Municipal Water District and Triunfo Water & Sanitation District. Previously, the wholesale rate for recycled water was based upon the operating costs for recycled water reservoirs, system operations and pump stations (only for areas in which pumping is necessary). This represents the operating costs of recycled water. The new formula, effective July 1, 2011, used the operating costs and added the administrative overhead for recycled water operations and a depreciation expense for recycled water capital assets. The July 1, 2020 proposed wholesale rate for recycled water with pumping is \$429.91 per acre foot, which is lower than the previous rate of \$480.53 per acre foot. The July 1, 2021 proposed wholesale rate for recycled water with pumping is \$456.63 per acre foot, which is higher than the previous rate of \$429.91 per acre foot. For FY 2020-21 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$326.32 per acre foot is a decrease from \$346.65 per acre foot in the prior year. For FY 2021-22 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$353.04 per acre foot is an increase from \$326.32 per acre foot in FY 2020-21.

Allocation of General and Administrative Costs

The general and administrative costs of Las Virgenes Municipal Water District are distributed among its three enterprises (potable water, recycled water and sanitation), its capital improvement projects, and the operations of the JPA. In accordance with the original Joint Powers Authority agreement, the general and administrative costs are distributed to the JPA based upon direct labor hours.

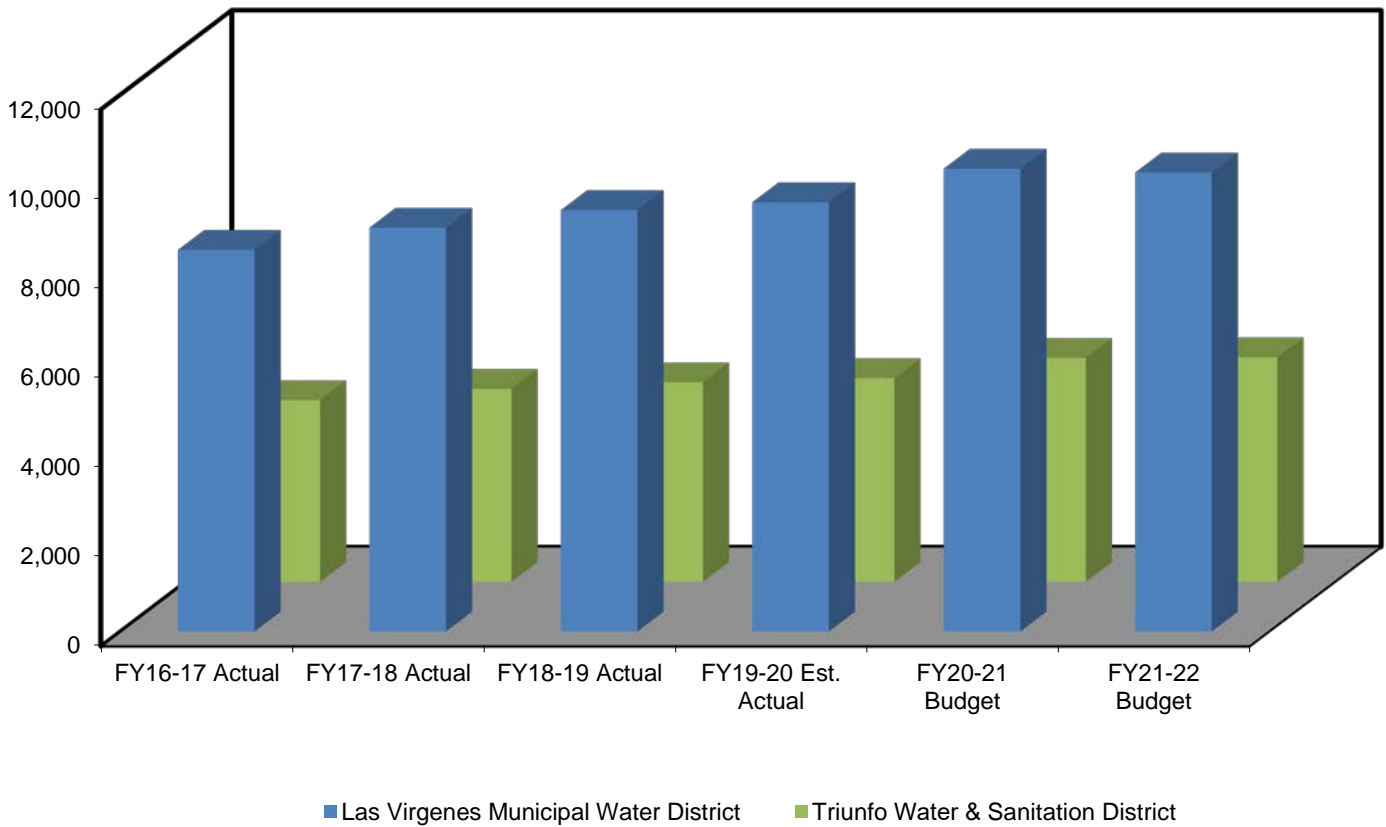
Capital Improvement Projects

The Capital improvement projects are shown by enterprise (Recycled Water and Sanitation) and by project number. This corresponds to the classification of the funding by LVMWD and agrees with the JPA capital budget.

**Las Virgenes - Triunfo
Joint Powers Authority
Allocated Net Expense Summary
(Dollars in Thousands)**

	FY16-17 Actual	FY17-18 Actual	FY18-19 Actual	FY19-20 Est. Actual	FY20-21 Budget	FY21-22 Budget
JPA Revenues	2,168	2,346	2,115	2,528	2,459	2,608
JPA Expenses	14,755	15,679	15,990	16,671	17,808	17,884
Net Operating Expense	12,587	13,333	13,875	14,143	15,349	15,276

	FY16-17 Actual	FY17-18 Actual	FY18-19 Actual	FY19-20 Est. Actual	FY20-21 Budget	FY21-22 Budget
Las Virgenes Municipal Water District	8,528	9,023	9,416	9,592	10,343	10,256
Triunfo Water & Sanitation District	4,059	4,310	4,459	4,552	5,006	5,020
Total Allocated Expenses	12,587	13,333	13,875	14,144	15,349	15,276



FISCAL YEAR 2019-20 ESTIMATED ACTUAL
ESTIMATED ACTUAL FY 2019-20

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	160,110	0	0	0	0	160,110
TREATMENT RECLAMATION	0	6,106,094	2,633,922	0	0	8,740,016
TREATMENT COMPOSTING	0	3,814,086	1,466,499	0	0	5,280,585
TREATMENT INJECTION	0	152,197	93,677	0	0	245,874
PUMP STATIONS	0	1,112,158	0	0	0	1,112,158
TANKS/RESERVOIR WELLS	0	56,789	0	0	0	56,789
SYSTEM OPERATION	0	9,145	0	0	0	9,145
WATER SYSTEM	0	95,730	0	0	0	95,730
ADMINISTRATIVE EXPENSES	0	965,469	0	6,000	0	971,469
PWP DEMO	0	0	0	0	0	0
REVENUES	0	(2,527,609)	0	0	0	(2,527,609)
	A	B	C	D	E	TOTAL

	A		B		C		D		E		TOTAL	
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	58,120	53.1%	5,644,264	43.3%	1,816,044	25.0%	1,500	82.2%	0	53.2%	7,519,928
U-2 SANITATION DISTRICT	3.1%	4,963	17.5%	1,860,162	20.5%	859,790	25.0%	1,500	0.0%	0	19.3%	2,726,415
RECYCLED WATER FUND			(656,394)								-4.6%	(656,394)
TOTAL LVMWD	39.4%	63,083	70.6%	6,848,032	63.8%	2,675,834	50.0%	3,000	82.2%	0	67.9%	9,589,949
TRIUNFO WSD	60.6%	97,027	29.4%	2,936,027	36.2%	1,518,264	50.0%	3,000	17.8%	0	32.1%	4,554,318
	A	B	C	D	E	TOTAL						

GROUP

- A** Basis of allocation to each participant is participant's reserve capacity rights in the trunk sewer.
- B** Basis of allocation to each participant is participant's reserve capacity rights in the treatment plant and recycled water system.
- C** Basis of allocation to each participant is participant's flow into the treatment plant.
- D** Each participant is allocated an equal share.
- E** Basis of allocation is each participant's average monthly cash balance.

JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
ESTIMATED ACTUAL FY 2019-20

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.74	1,001	43.3%	7,026,238	7,019	49.7%
U-2 SANITATION DISTRICT	1.30	473	20.5%	2,563,711	5,420	18.1%
LVMWD	4.04	1,474	63.8%	9,589,949	6,506	67.8%
TRIUNFO WSD	2.30	838	36.2%	4,554,318	5,435	32.2%
TOTAL ALL PARTICIPANTS	6.33	2,312	100.0%	14,144,267	6,118	100.0%
RETURN FLOWS	1.04	380				
WESTLAKE WELLS	0.24	89				
	7.62	2,781				

FISCAL YEAR 2020-21 OPERATING BUDGET
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	213,049	0	0	0	0	213,049
TREATMENT RECLAMATION	0	5,792,291	2,490,609	0	0	8,282,900
TREATMENT COMPOSTING	0	3,806,205	1,825,857	0	0	5,632,062
TREATMENT INJECTION	0	174,102	133,343	0	0	307,445
PUMP STATIONS	0	1,116,120	0	0	0	1,116,120
TANKS/RESERVOIR WELLS	0	75,036	0	0	0	75,036
SYSTEM OPERATION	0	18,002	0	0	0	18,002
WATER SYSTEM	0	108,842	0	0	0	108,842
ADMINISTRATIVE EXPENSES	0	1,058,981	0	6,000	0	1,064,981
PWP DEMO	0	989,422	0	0	0	989,422
REVENUES	0	(2,458,589)	0	0	0	(2,458,589)
TOTAL EXPENSES	213,049	10,680,412	4,449,809	6,000	0	15,349,269

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	-1	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	77,337	53.1%	6,120,227	42.1%	1,873,370	25.0%	1,500	82.2%	0	52.6%	8,072,434
U-2 SANITATION DISTRICT	3.1%	6,605	17.5%	2,017,024	21.0%	934,460	25.0%	1,500	0.0%	0	19.3%	2,959,589
RECYCLED WATER FUND				(688,926)							-4.5%	(688,926)
TOTAL LVMWD	39.4%	83,942	70.6%	7,448,325	63.1%	2,807,830	50.0%	3,000	82.2%	0	67.4%	10,343,097
TRIUNFO WSD	60.6%	129,107	29.4%	3,232,087	36.9%	1,641,979	50.0%	3,000	17.8%	0	32.6%	5,006,173
TOTAL ALLOCATION	100.0%	213,049	100.0%	10,680,412	100.0%	4,449,809	100.0%	6,000	100.0%	0	100.0%	15,349,269

GROUP

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JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
FY 2020-21

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.60	949	42.1%	7,554,276	7,960	49.2%
U-2 SANITATION DISTRICT	1.30	474	21.0%	2,788,821	5,884	18.2%
LVMWD	3.90	1,423	63.1%	10,343,097	7,269	67.4%
TRIUNFO WSD	2.28	833	36.9%	5,006,173	6,010	32.6%
TOTAL ALL PARTICIPANTS	6.18	2,256	100.0%	15,349,269	6,804	100.0%
RETURN FLOWS	1.13	414				
WESTLAKE WELLS	0.27	100				
	7.59	2,770				

FISCAL YEAR 2021-22 OPERATING BUDGET
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	214,960	0	0	0	0	214,960
TREATMENT RECLAMATION	0	5,832,047	2,555,935	0	0	8,387,982
TREATMENT COMPOSTING	0	3,851,648	1,818,464	0	0	5,670,112
TREATMENT INJECTION	0	175,536	134,371	0	0	309,907
PUMP STATIONS	0	1,247,995	0	0	0	1,247,995
TANKS/RESERVOIR WELLS	0	73,273	0	0	0	73,273
SYSTEM OPERATION	0	19,818	0	0	0	19,818
WATER SYSTEM	0	118,646	0	0	0	118,646
ADMINISTRATIVE EXPENSES	0	1,049,628	0	6,000	0	1,055,628
PWP DEMO	0	785,978	0	0	0	785,978
REVENUES	0	(2,608,034)	0	0	0	(2,608,034)
TOTAL EXPENSES	214,960	10,546,536	4,508,770	6,000	0	15,276,266
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	1	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	78,031	53.1%	6,049,139	42.4%	1,911,718	25.0%	1,500	82.2%	0	52.6%	8,040,388
U-2 SANITATION DISTRICT	3.1%	6,664	17.5%	1,993,596	20.8%	937,824	25.0%	1,500	0.0%	0	19.2%	2,939,584
RECYCLED WATER FUND				(724,199)							-4.7%	(724,199)
TOTAL LVMWD	39.4%	84,695	70.6%	7,318,536	63.2%	2,849,542	50.0%	3,000	82.2%	0	67.1%	10,255,773
TRIUNFO WSD	60.6%	130,265	29.4%	3,228,000	36.8%	1,659,228	50.0%	3,000	17.8%	0	32.9%	5,020,493
TOTAL ALLOCATION	100.0%	214,960	100.0%	10,546,536	100.0%	4,508,770	100.0%	6,000	100.0%	0	100.0%	15,276,267
	A		B		C		D		E		TOTAL	

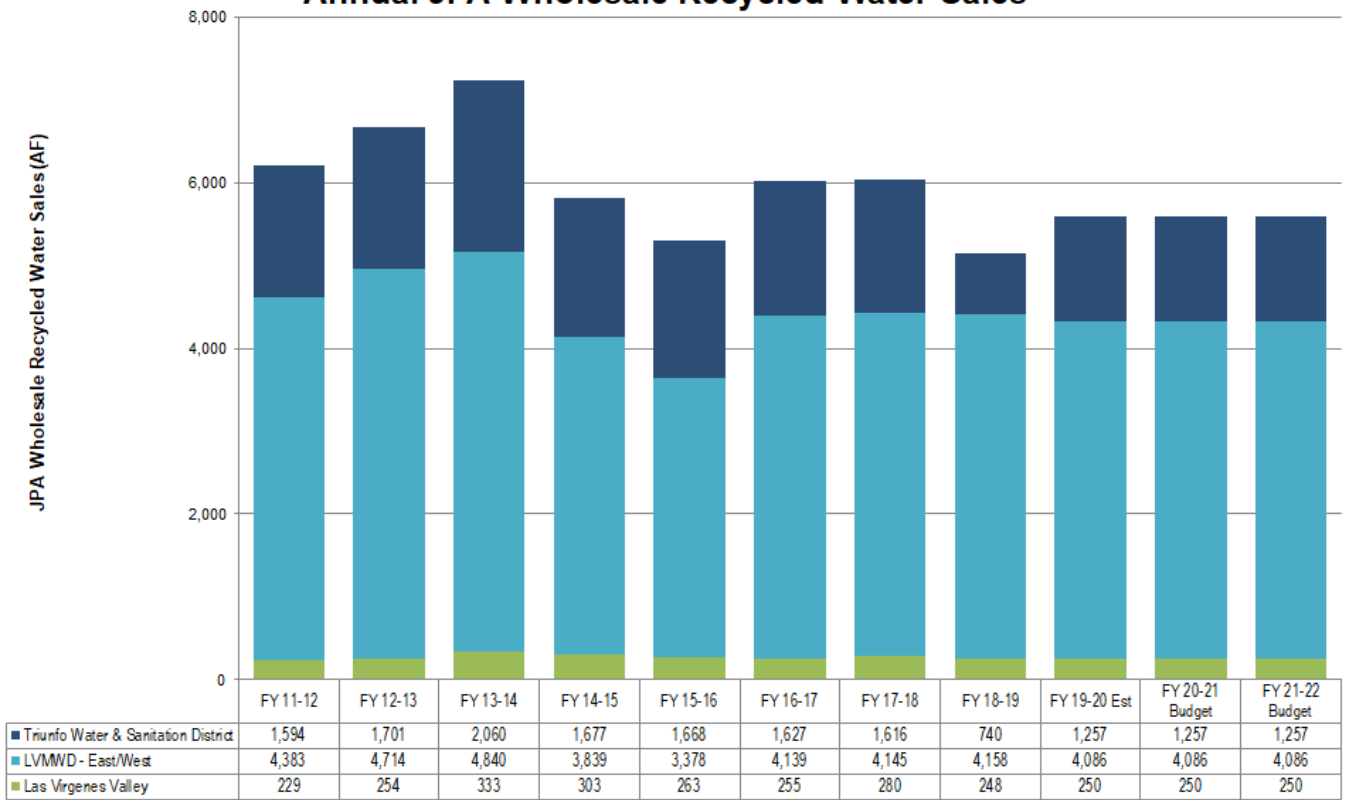
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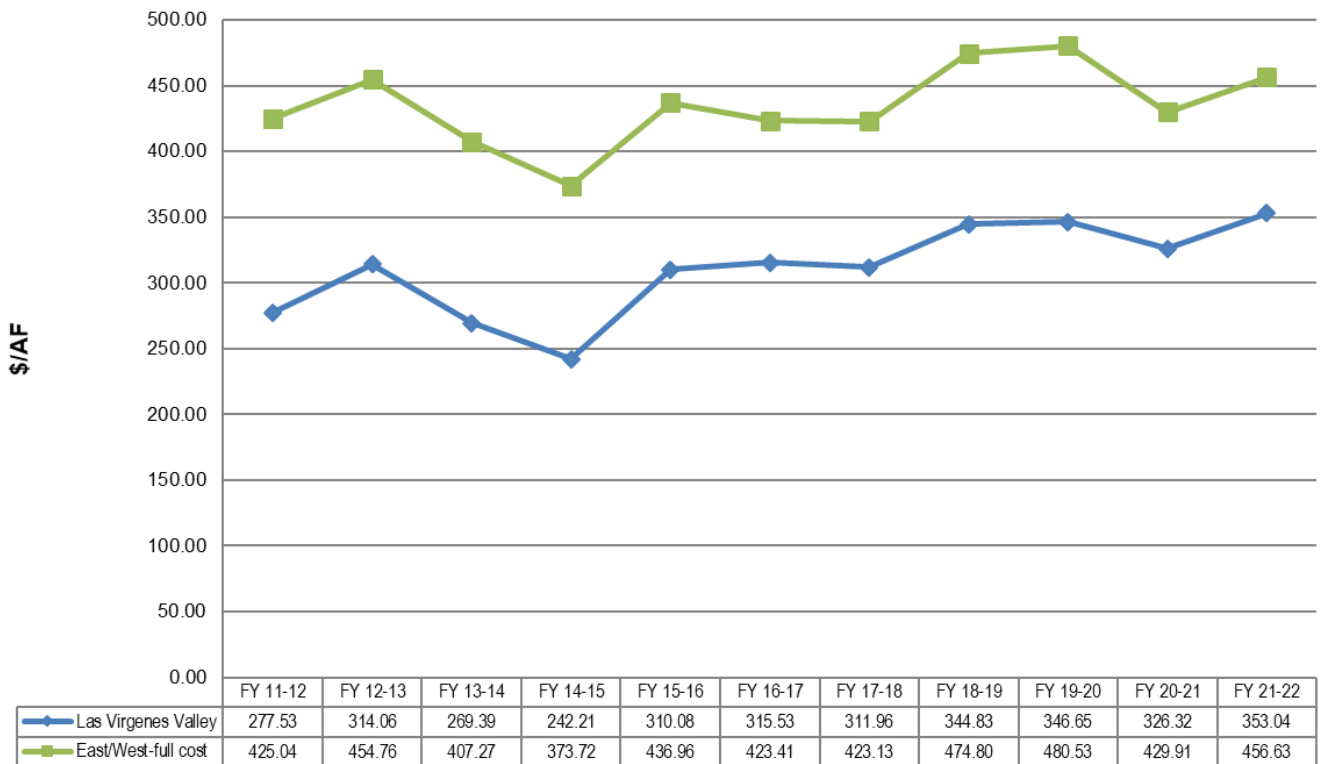
JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
FY 2021-22

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.65	967	42.4%	7,495,700	7,751	49.1%
U-2 SANITATION DISTRICT	1.30	475	20.8%	2,760,073	5,811	18.1%
LVMWD	3.95	1,442	63.2%	10,255,773	7,112	67.2%
TRIUNFO WSD	2.30	838	36.8%	5,020,493	5,991	32.8%
TOTAL ALL PARTICIPANTS	6.25	2,280	100.0%	15,276,267	6,700	100.0%
RETURN FLOWS	1.12	409				
WESTLAKE WELLS	0.27	97				
	7.63	2,786				

Annual JPA Wholesale Recycled Water Sales



JPA Wholesale Recycled Water rates



RW WHOLESALE RATE COMPUTATIONS

FY 2020-21 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,117,771	564,271	553,500	
Reservoirs	75,169	75,169		
System Operations	18,020	18,020		
Distribution	109,056	109,056		
RW Operations	<u>1,320,016</u>			
RW Ops/JPA Ops	7.9%			
Total JPA Admin	1,046,346			
RW Administration	82,766	82,766		
subtotal:Operations & Admin	<u>1,402,782</u>	<u>849,282</u>		
Depreciation FY18-19	975,816	975,816	-	
Total Cost	\$ 2,378,598	\$ 1,825,098	\$ 553,500	

Costs per Acre Foot	\$ 326.32	\$ 103.59	\$ 429.91
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FY 2020-21 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	250	\$ 326.32 /AF	\$ 81,580.00
LVMWD East	1,856	\$ 429.91 /AF	\$ 797,912.96
LVMWD West	2,230	\$ 429.91 /AF	\$ 958,699.30
Total LVMWD	<u>4,336</u>		<u>\$ 1,838,192.26</u>
TWSD	1,257	\$ 429.91 /AF	\$ 540,396.87
	<u>5,593</u>		<u>\$ 2,378,589.13</u>

RW WHOLESALE RATE COMPUTATIONS

FY 2021-22 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,249,507	696,007	553,500	
Reservoirs	73,395	73,395		
System Operations	19,836	19,836		
Distribution	118,842	118,842		
RW Operations	<u>1,461,580</u>			
RW Ops/JPA Ops	8.7%			
Total JPA Admin	1,037,019			
RW Administration	90,635	90,635		
subtotal:Operations & Admin	<u>1,552,215</u>	<u>998,715</u>		
Depreciation FY18-19	975,816	975,816	-	
Total Cost	<u>\$ 2,528,031</u>	<u>\$ 1,974,531</u>	<u>\$ 553,500</u>	

Costs per Acre Foot	\$ 353.04	\$ 103.59	\$ 456.63
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FY 2020-21 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	250	\$ 353.04 /AF	\$ 88,260.00
LVMWD East	1,856	\$ 456.63 /AF	\$ 847,505.28
LVMWD West	2,230	\$ 456.63 /AF	\$ 1,018,284.90
Total LVMWD	<u>4,336</u>		<u>\$ 1,954,050.18</u>
TWSD	1,257	\$ 456.63 /AF	\$ 573,983.91
	<u>5,593</u>		<u>\$ 2,528,034.09</u>

**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATING REVENUES							
4235 RW Sales - LVMWD	\$1,369,024	\$1,603,106	\$1,503,857	\$1,838,299	\$1,882,618	\$1,838,192	\$1,954,050
4240 RW Sales - TWSD	688,676	678,150	564,870	849,097	579,991	540,397	573,984
4245 MWD Incentive - Local Projects	0	0	0	0	0	0	0
4505 Other Income from Operations	96,197	55,595	45,736	65,000	65,000	65,000	65,000
4510 Compost Sales	14,161	8,882	811	15,000	0	15,000	15,000
TOTAL OPERATING REVENUES	\$2,168,058	\$2,345,733	\$2,115,274	\$2,767,396	\$2,527,609	\$2,458,589	\$2,608,034
SOURCE OF SUPPLY							
5115 Purchased Water - Potable Suppl	34,124	0	0	0	30,020	0	0
OPERATIONS DIVISION EXPENSE							
5400 Labor	1,986,771	1,972,298	2,201,788	2,263,114	2,245,774	2,346,619	2,397,826
5405.1 Electricity	2,101,399	2,270,433	1,895,554	2,509,986	1,836,813	1,737,800	1,915,300
5405.2 Telephone	52,977	20,075	31,719	43,228	35,500	33,000	32,000
5405.3 Natural Gas	21,443	16,244	15,712	21,413	16,000	21,400	21,400
5405.4 Water	7,956	11,493	11,949	9,066	11,428	12,500	12,300
5410 Supplies/Material	72,756	80,218	81,596	79,648	73,430	80,950	80,950
5410.1 Fuel	26,208	20,065	17,805	29,298	12,000	30,050	30,100
5410.5 Ferric Chloride	42,204	37,853	35,505	54,456	49,000	60,000	60,000
5410.6 Defoamer/Deodorant	6,082	7,079	3,981	4,120	3,000	4,120	4,120
5410.7 Polymer	120,588	117,798	149,870	108,876	81,000	147,000	147,000
5410.8 Amendment	142,893	101,919	48,336	123,600	21,000	135,000	135,000
5410.9 Alum	6,864	6,917	11,127	9,489	14,000	12,000	12,000
5410.10 Sodium Hypochlorite	212,248	184,319	297,177	208,274	225,000	230,000	230,000
5410.11 Sodium Bisulfite	77,498	98,766	91,143	115,936	91,000	115,936	115,936
5410.13 Aqua Ammonia	31,675	27,657	30,616	31,669	19,000	31,699	31,699
5415 Outside Services	57,168	58,373	335,694	58,400	288,525	555,650	246,650
5417 Odor Control	143,703	141,619	75,610	200,850	57,000	185,000	185,000
5420 Permits and Fee	193,347	174,028	182,576	191,295	205,031	220,100	220,200
5425 Consulting Services	0	96,515	46,286	4,302	37,000	180,000	90,000
5430 Capital Outlay	23,994	0	98,630	65,000	88,000	155,000	155,000
Sub-total	\$5,327,774	\$5,443,669	\$5,662,674	\$6,132,020	\$5,409,501	\$6,293,824	\$6,122,481
MAINTENANCE DIVISION EXPENSE							
5500 Labor	1,211,888	1,228,843	1,231,514	1,400,989	1,215,833	1,252,844	1,274,732
5510 Supplies/Material	396,570	380,410	431,805	483,500	278,250	294,000	304,000
5515 Outside Services	437,628	350,741	362,045	341,450	351,700	374,450	437,450
5518 Building Maintenance	88,631	105,941	130,815	116,000	247,677	282,177	283,645
5520 Permits and Fee	580	1,211	0	500	0	500	500
5525 Consulting Services	2,252	0	0	0	0	0	0
5530 Capital Outlay	45,774	161,552	26,094	95,000	88,000	65,000	70,000
Sub-total	\$2,183,323	\$2,228,698	\$2,182,273	\$2,437,439	\$2,181,460	\$2,268,971	\$2,370,327
INVENTORY EXPENSES							
5536 Inventory Adjustment	(2,393)	6,134	153,421	4,840	2,200	5,000	5,000
Sub-total	(\$2,393)	\$6,134	\$153,421	\$4,840	\$2,200	\$5,000	\$5,000
PUBLIC INFORMATION							
6602 School Education Program	22,535	14,394	2,586	20,971	814	20,000	20,000
6604 Public Education Program	70,275	45,330	29,554	67,722	23,627	20,069	20,842
6606 Community Group Outreach	1,182	2,911	0	6,028	0	8,000	8,000
6608 Intergovernmental Coordination	4,146	1,098	411	5,298	0	5,000	5,000
Sub-total	\$98,138	\$63,733	\$32,551	\$100,019	\$24,441	\$53,069	\$53,842
RESOURCE CONSERVATION							
6788 District Sprayfield	251,449	283,186	314,316	321,779	250,000	270,000	275,000
6789 005 Discharge	277	387	10,917	400	400	400	400
6785 Watershed Programs	60,773	17,097	1,800	46,594	14,000	20,000	20,000
Sub-total	\$312,499	\$300,670	\$327,033	\$368,773	\$264,400	\$290,400	\$295,400

**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary**

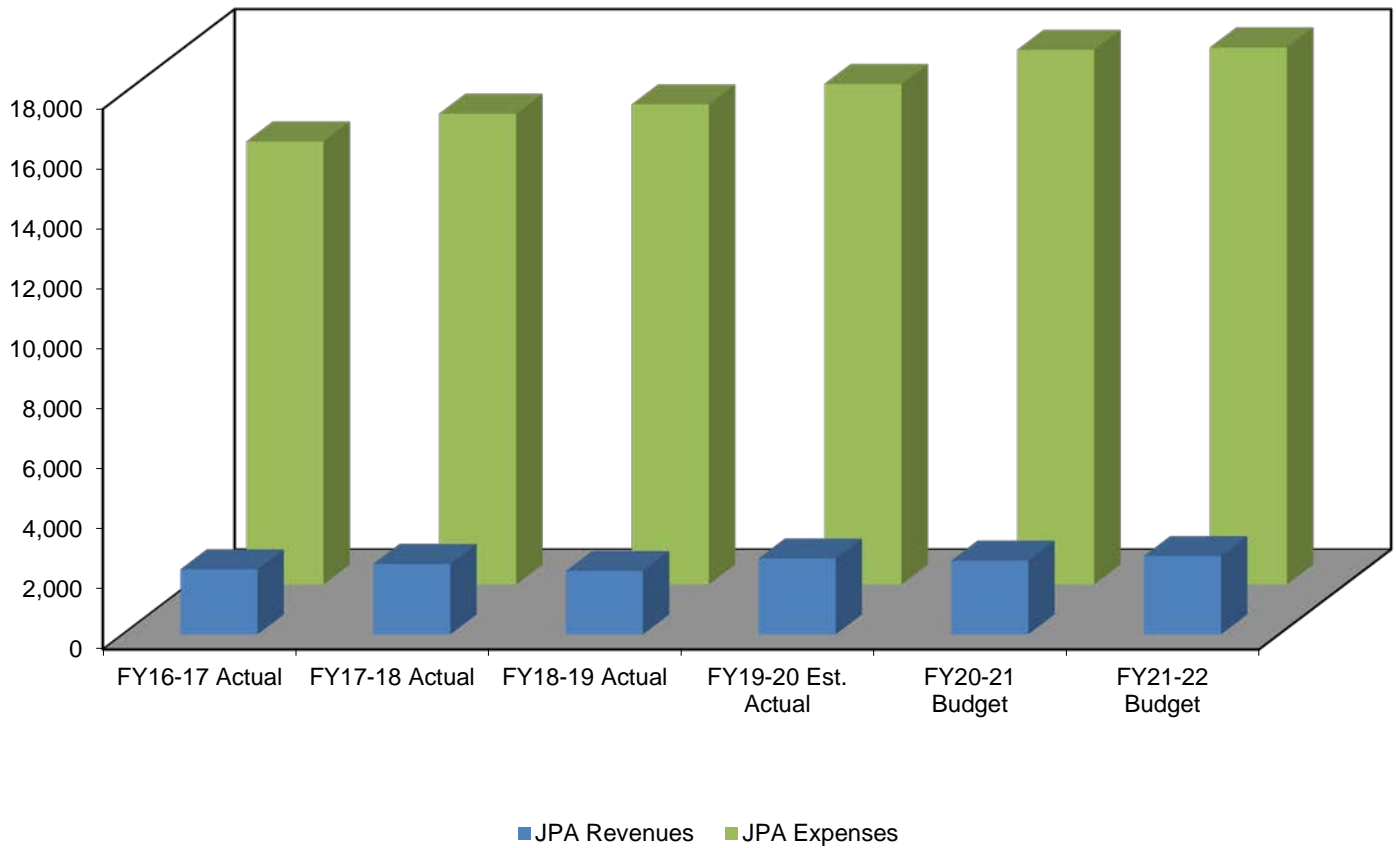
	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
SPECIALTY EXPENSES							
5700 SCADA Services	49,624	38,646	56,005	114,310	51,916	62,104	62,786
5710.2 Technical Services	0	0	1,313	646	12,287	13,763	16,164
5712 Compost Sales/Use Tax	2,922	3,246	2,989	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	141,224	154,291	158,532	156,855	145,000	184,000	184,000
5715.3 Tapia Lab Sampling	125,705	130,352	131,436	151,302	123,246	187,269	193,001
7202 Allocated Lab Expense	378,015	399,644	441,847	449,138	521,277	529,280	531,736
Sub-total	\$697,490	\$726,179	\$792,122	\$876,251	\$857,726	\$980,416	\$991,687
ADMINISTRATIVE EXPENSES							
6872 Litigation/Outside Services*	83,990	49,115	206,946	25,000	135,000	0	0
6874 Litigation/District Costs*	0	0	0	0	0	0	0
6516 Other Professional Services	95,007	167,843	266,417	137,000	156,600	156,600	156,600
6517 Audit Fees	3,395	3,395	3,377	3,700	6,000	6,000	6,000
7110 Travel/Misc Staff Expense	248	0	0	0	0	0	0
7135.1 Property Insurance**	56,955	69,614	79,858	59,779	80,859	0	0
7135.4 Earthquake Insurance**	91,466	110,557	117,389	95,559	92,073	0	0
7145 Claims Paid	122,451	21,000	0	0	0	0	0
7153 TWSD Staff Services	0	0	0	5,000	5,500	6,000	6,000
7155 Other Expense	54,029	9,000	0	0	0	0	0
6260 Rental Charge - Facility Repl	371,357	351,674	377,618	363,316	355,453	363,316	363,316
6350 Allocated Insurance**	0	0	0	0	0	175,131	183,888
6351 Allocated Legal Services*	0	0	0	0	0	135,000	135,000
7203 Allocated Building Maint	83,651	89,824	153,010	88,804	92,424	115,392	96,642
7225 Allocated Support Services	3,528,201	4,099,146	3,906,942	4,713,915	4,691,661	4,825,693	4,908,437
7226 Allocated Operations Services	1,613,325	1,938,958	1,728,380	2,169,190	2,286,559	2,133,047	2,189,680
Sub-total	\$6,104,075	\$6,910,126	\$6,839,937	\$7,661,264	\$7,902,128	\$7,916,179	\$8,045,563
TOTAL EXPENSES	\$14,755,030	\$15,679,209	\$15,990,011	\$17,580,606	\$16,671,876	\$17,807,859	\$17,884,300
NET OPERATING EXPENSE	\$12,586,972	\$13,333,476	\$13,874,737	\$14,813,210	\$14,144,267	\$15,349,269	\$15,276,266

* Litigation was moved to Allocated Legal Services

** Property and Liability Insurance was moved to Allocated Insurance

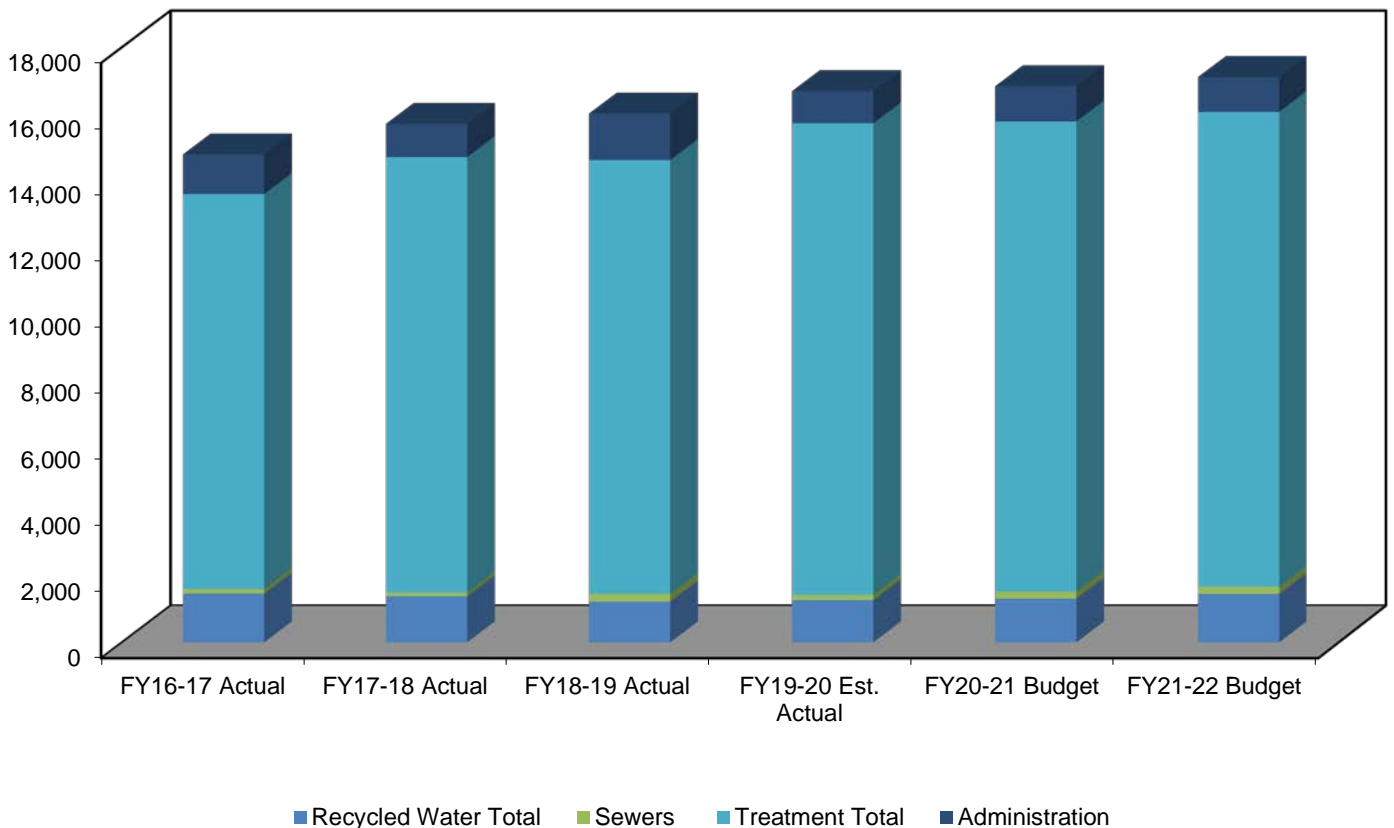
**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary
(Dollars in Thousands)**

	FY16-17 Actual	FY17-18 Actual	FY18-19 Actual	FY19-20 Est. Actual	FY20-21 Budget	FY21-22 Budget
JPA Revenues	2,168	2,346	2,115	2,528	2,459	2,608
JPA Expenses	14,755	15,679	15,990	16,671	17,808	17,884
Net Operating Expense	12,587	13,333	13,875	14,143	15,349	15,276



**Las Virgenes - Triunfo
Joint Powers Authority
Operating Expense Summary
(Dollars in Thousands)**

	FY16-17 Actual	FY17-18 Actual	FY18-19 Actual	FY19-20 Est. Actual	FY20-21 Budget	FY21-22 Budget
Pump Stations	1,214	1,189	1,113	1,112	1,116	1,248
Tank, Res, Wells	117	86	74	56	75	73
System Ops	28	20	15	9	18	20
Distribution	113	97	27	96	109	119
Recycled Water Total	1,472	1,392	1,229	1,273	1,318	1,460
PWP - Demonstration Proj.	0	0	0	0	989	786
Sewers	135	109	230	160	213	215
Reclamation	7,192	7,967	7,662	8,740	8,283	8,388
Composting	4,463	4,962	5,194	5,281	5,632	5,670
Centrate Treatment	297	245	271	246	307	310
Treatment Total	11,952	13,174	13,127	14,267	14,222	14,368
Administration	1,196	1,005	1,405	971	1,065	1,056
Total JPA Operations	14,755	15,680	15,991	16,671	17,807	17,885



JOINT POWERS AUTHORITY

Operating Revenues – 751000

LINE ITEM EXPLANATIONS

4235 Recycled Water Sales - LVMWD – Wholesale recycled water sales to Las Virgenes Municipal Water District. Wholesale rates are set to recover the costs of operating and administering the Recycled Water backbone distribution system. An additional amount, equal to the value of annual depreciation expense on the recycled water distribution system, is included in the wholesale recycled water rate.

Annual sales to each JPA partner is projected using the prior 3 years' average purchases by each JPA partner and adjusted as necessary for weather and outage conditions. For FY 2020-21 sales are projected to be 5,001 AF. For FY 2021-22 sales are projected to be 4,835 AF.

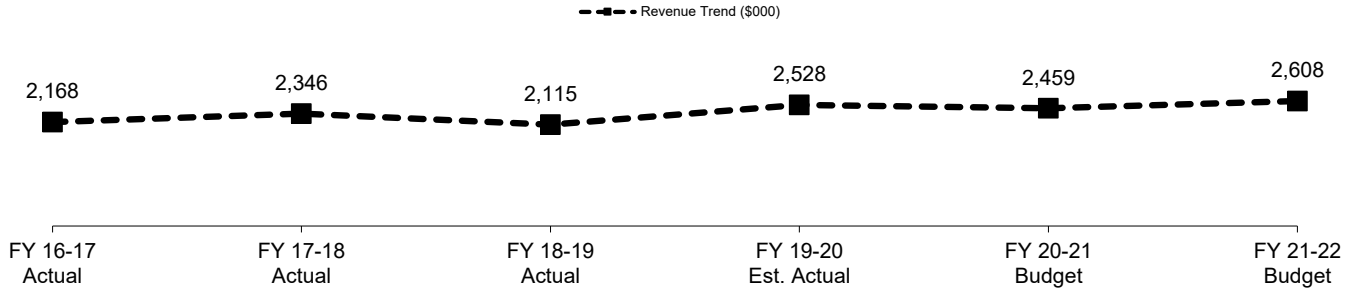
4240 Recycled Water Sales - TWSD – Wholesale recycled water sales to Triunfo Water and Sanitation District. Wholesale rates are set in the same manner as described above.

4505 Other Income from Operations – Primarily rental of tank sites to cellular telephone providers.

4510 Compost Sales – Commercial sales of compost produced at the Rancho Las Virgenes Composting Facility.

**Las Virgenes - Triunfo
Joint Powers Authority
Operating Revenues**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATING REVENUES							
4235 RW Sales - LVMWD	\$1,369,024	\$1,603,106	\$1,503,857	\$1,838,299	\$1,882,618	\$1,838,192	\$1,954,050
4240 RW Sales - TWSD	688,676	678,150	564,870	849,097	579,991	540,397	573,984
4505 Other Income from Operations	96,197	55,595	45,736	65,000	65,000	65,000	65,000
4510 Compost Sales	14,161	8,882	811	15,000	0	15,000	15,000
TOTAL OPERATING REVENUES	\$2,168,058	\$2,345,733	\$2,115,274	\$2,767,396	\$2,527,609	\$2,458,589	\$2,608,034



JOINT POWERS AUTHORITY

RW Pump Stations – 751100

FUNCTION

To provide appropriate training, operating, preventive maintenance and maintenance and repair programs to preserve Joint Powers Authority (JPA) assets and to ensure the Effluent, East and West recycled water pump stations are operated and maintained safely, efficiently and cost-effectively to supply adequate water throughout the recycled water distribution system.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY21-22.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by Water Treatment and Production and Water Reclamation personnel to operate and provide preventive maintenance to equipment and facilities at the various Joint Powers Authority pump stations.

- 5405.1 Energy – Energy costs for recycled water pump stations. Energy costs include electrical pumping charges from the Tapia plant (SCE), recycled water pump station electrical pumping charges (SCE), and the purchase of lower cost solar generated electricity from Solar City.

- 5410 Supplies/Materials – Funds to purchase supplies and materials used during annual preventive maintenance on JPA RW pump control valves.

- 5430 Funds to purchase valve parts and recycled water pump station related capital items.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

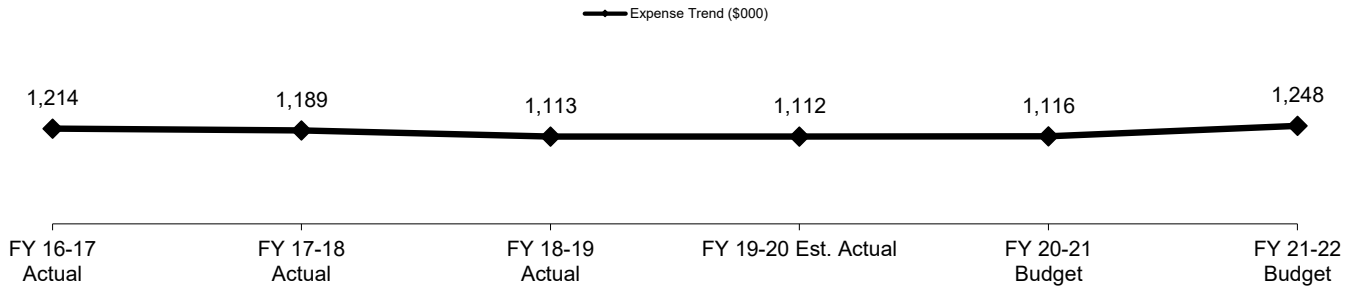
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to perform major maintenance and repair tasks to pumps, motors, and other equipment at Joint Powers Authority (JPA) recycled water pump stations.

- 5510 Supplies/Materials – Funds to purchase supplies and materials used by staff for maintenance of JPA recycled water pump stations.

- 5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the JPA recycled water pump stations. Expense is primarily related to pest control activities at JPA RW pump stations. Additional funding for FY 21-22 is for recycled water pump station paintings and coatings work.

**Las Virgenes - Triunfo
Joint Powers Authority
RW Pump Stations - 751100**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$32,759	\$33,838	\$26,909	\$38,222	\$24,037	\$30,763	\$28,287
5405.1 Electricity	975,191	1,039,925	848,108	1,167,000	874,000	800,000	900,000
5405.2 Telephone	0	53	0	0	0	0	0
5405.4 Water	161	417	265	0	150	200	0
5410 Supplies/Material	20,775	23,848	7,031	14,000	13,500	14,000	14,000
5415 Outside Services	4,923	985	600	0	3,025	8,000	8,000
5430 Capital Outlay	0	0	0	15,000	0	15,000	15,000
Sub-total	\$1,033,809	\$1,099,066	\$882,913	\$1,234,222	\$914,712	\$867,963	\$965,287
MAINTENANCE DIVISION EXPENSE							
5500 Labor	32,937	5,849	66,279	28,434	59,476	52,924	55,271
5510 Supplies/Material	45,414	11,600	15,822	7,000	4,500	7,000	7,000
5515 Outside Services	10,973	508	20,718	1,250	750	1,250	34,250
Sub-total	\$89,324	\$17,957	\$102,819	\$36,684	\$64,726	\$61,174	\$96,521
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	62,378	48,561	87,263	74,106	90,894	118,613	118,108
7226 Allocated Operations Services	28,523	23,118	39,584	34,102	41,826	68,370	68,079
Sub-total	\$90,901	\$71,679	\$126,847	\$108,208	\$132,720	\$186,983	\$186,187
TOTAL EXPENSES	\$1,214,034	\$1,188,702	\$1,112,579	\$1,379,114	\$1,112,158	\$1,116,120	\$1,247,995



JOINT POWERS AUTHORITY

RW Tanks, Reservoirs and Wells – 751200

FUNCTION

To provide appropriate training, operating, preventive maintenance and maintenance and repair programs on a timely basis to preserve Joint Powers Authority (JPA) assets and to ensure Joint Powers Authority tanks, reservoirs, and wells are operated safely, efficiently and cost-effectively to provide adequate storage for daily and emergency uses of recycled water.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY 20-21 or FY 21-22

SOURCE OF SUPPLY

5115 Purchased Water – Potable water supplement required in the Joint Powers Authority distribution system for maintenance needs. During the rehabilitation of Reservoir 2 in FY 14-15, 89.06 acre-feet of potable water was purchased to meet the operational challenges presented by the temporary loss of storage capacity.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Funds for labor hours worked by Water Treatment and Production employees and Water Reclamation staff to operate and provide preventive maintenance at recycled water storage tanks and reservoirs and at well sites used to supplement inflow to Tapia WRF.

5405.1 Electricity – Funds for electrical energy used to power equipment at Cordillera Tank and to operate Westlake Wells 1 and 2.

5405.2 Telephone – Funds for a SCADA communications used at Cordillera Tank site.

5410 Supplies and Material – Funds miscellaneous supplies and materials for system operation including erosion/runoff control, weed control and maintenance supplies.

5415 Outside Services – Funds to hire appropriate outside service providers to assist with the annual cleaning of Cordillera, Indian Hills, Reservoir 2 and Reservoir 3 to maintain the quality of the water within the recycled water distribution system. Includes funds for weed abatement and landscape maintenance.

5420 Permits and Fees – Well 1 & 2 water rights.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

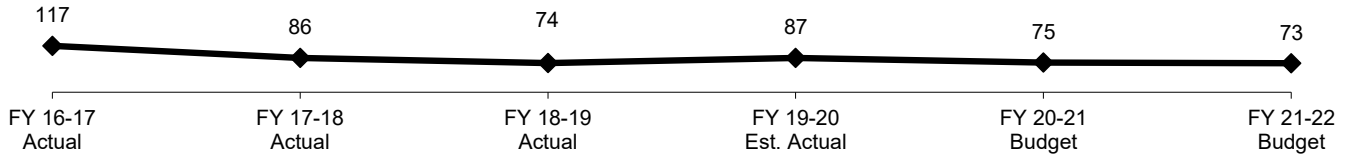
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance.

5510 Supplies/Materials – Items required by staff to maintain the tanks, reservoirs and wells in the recycled water system.

**Las Virgenes - Triunfo
Joint Powers Authority
RW Tanks, Reservoirs and Wells - 751200**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
SOURCE OF SUPPLY							
5115 Purchased Water - Potable Suppl	\$34,124	\$0	\$0	\$0	30,020	\$0	\$0
OPERATIONS DIVISION EXPENSE							
5400 Labor	10,863	11,915	8,202	17,715	5,975	7,982	7,183
5405.1 Electricity	16,025	15,038	15,426	18,000	14,700	16,000	16,000
5405.2 Telephone	1,343	855	0	1,000	1,000	1,000	0
5405.4 Water	133	174	265	0	278	300	300
5410 Supplies/Material	1,352	2,412	523	2,500	1,600	2,500	2,500
5415 Outside Services	23,500	19,656	28,681	25,000	19,500	25,000	25,000
5420 Permits and Fee	0	900	0	0	100	0	100
Sub-total	\$53,216	\$50,950	\$53,097	\$64,215	\$43,153	\$52,782	\$51,083
MAINTENANCE DIVISION EXPENSE							
5500 Labor	5,081	12,357	1,057	14,598	2,000	6,000	6,000
5510 Supplies/Material	18	0	59	0	0	0	0
5515 Outside Services	1,155	1,073	4,617	1,200	950	1,200	1,200
Sub-total	\$6,254	\$13,430	\$5,733	\$15,798	\$2,950	\$7,200	\$7,200
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	16,195	14,985	11,302	36,419	7,318	9,550	9,509
7226 Allocated Operations Services	7,405	7,132	3,771	16,759	3,368	5,505	5,481
Sub-total	\$23,600	\$22,117	\$15,073	\$53,178	\$10,686	\$15,054	\$14,990
TOTAL EXPENSES	\$117,194	\$86,497	\$73,903	\$133,191	\$86,809	\$75,036	\$73,273

Expense Trend (\$000)



JOINT POWERS AUTHORITY

RW System Operation – 751300

FUNCTION

To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to ensure preservation of district assets and proper operation of the recycled water distribution system, including water quality review, operation of Supervisory Control and Data Acquisition (SCADA) systems, water usage data collection and storage and other necessary programs.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY21-22.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Primarily labor hours worked by Water Treatment and Production personnel to operate the distribution system, provide system reporting, and operate the SCADA system as these tasks relate to recycled water.

5420 Permits/Fees –This line item also includes bridge rental fees from the County of Los Angeles.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance and electronic services.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

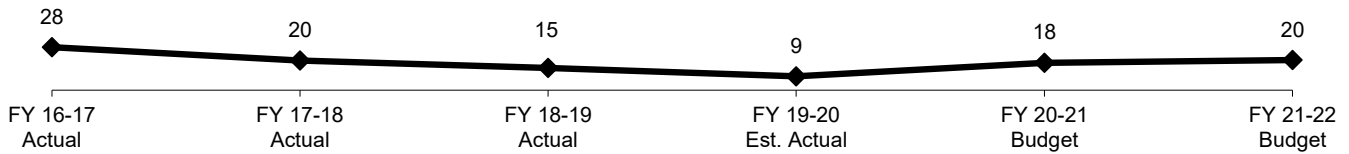
5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the SCADA system.

5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for general assistance would be accumulated in this account.

**Las Virgenes - Triunfo
Joint Powers Authority
RW System Operations - 751300**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$11,093	\$6,479	\$6,550	\$15,044	\$6,200	\$6,000	\$7,000
5420 Permits and Fee	88	88	88	100	88	100	100
Sub-total	\$11,181	\$6,567	\$6,638	\$15,144	\$6,288	\$6,100	\$7,100
MAINTENANCE DIVISION EXPENSE							
5500 Labor	291	212	0	261	851	784	803
5510 Supplies/Material	0	10	0	1,000	500	8,000	8,000
Sub-total	\$291	\$222	\$0	\$1,261	\$1,351	\$8,784	\$8,803
SPECIALTY EXPENSES							
5700 SCADA Services	0	192	0	3,238	0	1,000	1,000
5710.2 Technical Services	0	0	0	0	0	0	803
Sub-total	\$0	\$192	\$0	\$3,238	\$0	\$1,000	\$1,803
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	11,601	8,547	5,563	19,141	1,031	1,343	1,340
7226 Allocated Operations Services	5,304	4,071	2,523	8,808	475	774	772
Sub-total	\$16,905	\$12,618	\$8,086	\$27,949	\$1,506	\$2,118	\$2,112
TOTAL EXPENSES	\$28,377	\$19,599	\$14,724	\$47,592	\$9,145	\$18,002	\$19,818

Expense Trend (\$000)



JOINT POWERS AUTHORITY

RW Distribution System – 751700

FUNCTION

To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to preserve Joint Powers Authority assets and to ensure the safe and reliable delivery of recycled water to the two Joint Powers Authority customers, Las Virgenes and Triunfo.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY21-22.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

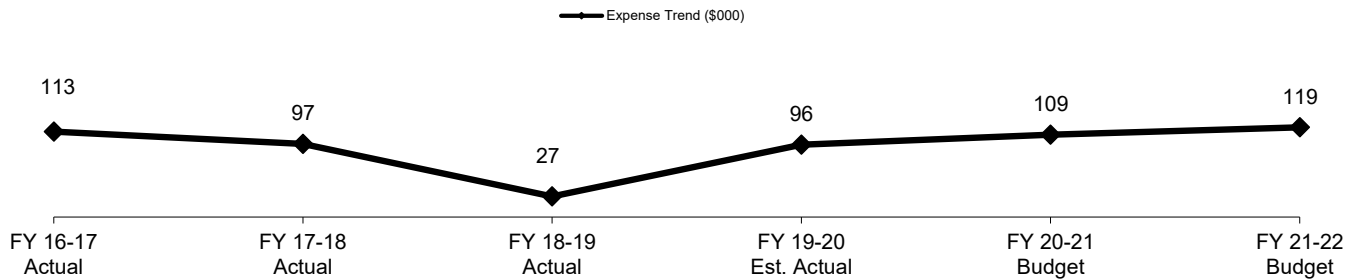
- 5400 Labor – Labor hours performed by Water Treatment and Production employees to perform preventive maintenance work associated with the recycled water distribution system. Preventive maintenance includes operating, testing, and overhauling recycled water main line valves, blow-offs, and air-vacuum valves.
- 5410 Supplies/Materials – Funds to purchase items needed during minor preventive maintenance tasks within the distribution system.
- 5415 Outside Services – Funds for raising valve boxes, manhole covers, and maintaining appurtenances.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked by Construction Section personnel to provide maintenance and pipeline location in the recycled water distribution pipeline system.
- 5510 Supplies/Materials – Items required by staff to maintain the recycled water distribution system, such as valves, pipe, slurry backfill, etc. and to purchase materials for emergency repairs.
- 5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the recycled water distribution system and to provide for emergency repairs as required.
- 5520 Permits/Fees – Funds to pay for various public works encroachment permits for repairs and inspections required by the cities and other regulatory agencies.

**Las Virgenes - Triunfo
Joint Powers Authority
RW Distribution System - 751700**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$484	\$1,803	\$1,433	\$1,324	\$1,936	\$2,586	\$2,327
5410 Supplies/Material	60	945	0	500	100	500	500
5415 Outside Services	0	0	0	0	0	0	10,000
Sub-total	\$544	\$2,748	\$1,433	\$1,824	\$2,036	\$3,086	\$12,827
MAINTENANCE DIVISION EXPENSE							
5500 Labor	29,625	17,700	6,793	26,724	7,637	8,087	8,250
5510 Supplies/Material	5,689	3,262	2,070	4,000	1,900	8,000	8,000
5515 Outside Services	31,469	40,614	4,688	20,000	67,000	65,000	65,000
5520 Permits and Fee	580	1,211	0	500	0	500	500
Sub-total	\$67,363	\$62,787	\$13,551	\$51,224	\$76,537	\$81,587	\$81,750
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	30,934	21,063	8,431	32,984	11,750	15,332	15,268
7226 Allocated Operations Services	14,143	10,027	3,825	15,176	5,407	8,838	8,801
Sub-total	\$45,077	\$31,090	\$12,256	\$48,160	\$17,157	\$24,169	\$24,069
TOTAL EXPENSES	\$112,984	\$96,625	\$27,240	\$101,208	\$95,730	\$108,842	\$118,646



JOINT POWERS AUTHORITY

Pure Water Demonstration Project – 751750

FUNCTION

The Pure Water Demonstration Project will be a nominal 100 gallon per minute (gpm) facility that will test fully advanced treatment processes of microfiltration (MF), reverse osmosis (RO), ultraviolet disinfection (UV) and advanced oxidation (AOP) on the JPA's tertiary treated recycled water to produce purified water suitable for surface water augmentation.

SIGNIFICANT CHANGES

The demonstration project will initiate operations in FY 20-21.

REVENUES

4421 Metropolitan Water District (artificial intelligence study: \$35,000; Bureau of Reclamation Grant: \$300,000) in Fiscal Year 20-21.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Primarily labor hours worked by Water Treatment, Production, and Water Reclamation personnel to operate and provide preventive maintenance to demonstration project equipment.

5405.2 Energy – Energy costs to power pumps, filtration, and disinfection processes.

5410 Supplies/Materials – Funds to purchase items used during preventative maintenance and demonstration project equipment.

5415 Funds for research and testing and for artificial intelligence (A.I.) study (\$70,000 in FY 20-21).

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

5500 Labor – Primarily labor hours worked by Maintenance Section personnel to perform maintenance and repair tasks to pumps, motors, and other equipment and to develop maintenance protocols for full-scale water purification facility.

5510 Supplies/Materials – Funds to purchase supplies and materials used by staff for maintenance of the pure water demonstration facility.

5515 Outside Services – Funds to hire

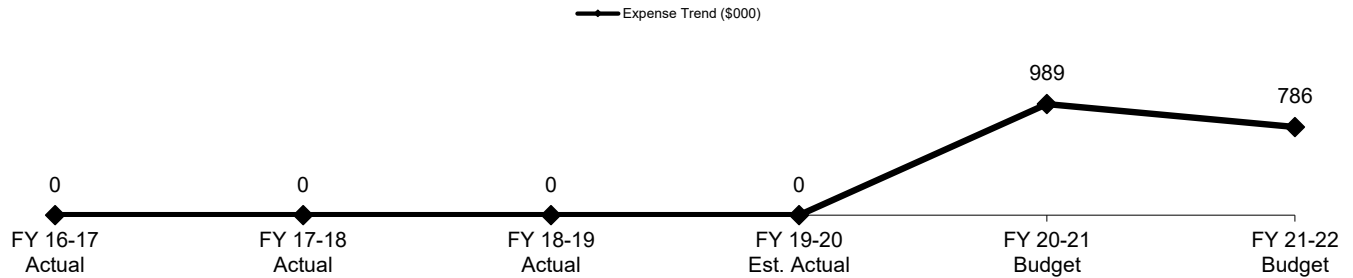
5518 Building Maintenance

5715.2 Other Laboratory Serv

5715.3 Tapia Lab Sampling

**Las Virgenes - Triunfo
Joint Powers Authority
Pure Water Demonstration Project- 751750**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$0	\$0	\$0	\$0	\$0	\$79,400	\$124,000
5405.1 Electricity	0	0	0	0	0	39,000	39,000
5410.1 Fuel	0	0	0	0	0	5,100	5,100
5415 Outside Services	0	0	0	0	0	370,000	50,000
5425 Consulting Services	0	0	0	0	0	50,000	50,000
Sub-total	\$0	\$0	\$0	\$0	\$0	\$543,500	\$268,100
MAINTENANCE DIVISION EXPENSE							
5500 Labor	0	0	0	0	0	75,000	75,000
5510 Supplies/Material	0	0	0	0	0	10,000	10,000
5515 Outside Services	0	0	0	0	0	20,000	20,000
5518 Building Maintenance	0	0	0	0	0	20,000	20,000
Sub-total	\$0	\$0	\$0	\$0	\$0	\$125,000	\$125,000
SPECIALTY EXPENSES							
5715.2 Other Lab Services	0	0	0	0	0	30,000	30,000
5715.3 Tapia Lab Sampling	0	0	0	0	0	10,000	10,000
Sub-total	\$0	\$0	\$0	\$0	\$0	\$40,000	\$40,000
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	0	0	0	0	0	192,390	241,670
7226 Allocated Operations Services	0	0	0	0	0	88,532	111,208
Sub-total	\$0	\$0	\$0	\$0	\$0	\$280,922	\$352,878
TOTAL EXPENSES	\$0	\$0	\$0	\$0	\$0	\$989,422	\$785,978



JOINT POWERS AUTHORITY

Sewers – 751800

FUNCTION

To provide sewer maintenance service in those portions of the trunk sewer system which are shared by Las Virgenes Municipal Water District and Triunfo Sanitation District.

SIGNIFICANT CHANGES

Funding of \$100,000 in line item 5515 for Sanitary Sewer Monitoring Program is included for FY 20-21.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Account used to accrue labor hours worked by Reclamation Treatment personnel for oversight of sewer system located within the Joint Powers Authority (U-1 Sanitation District) area.

5405 Utilities – These sub-accounts provide funds for the utilities used at the metering stations.

5420 Permits – Anticipated fees include County of Los Angeles pipeline rental fee and state water board permit fees .

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

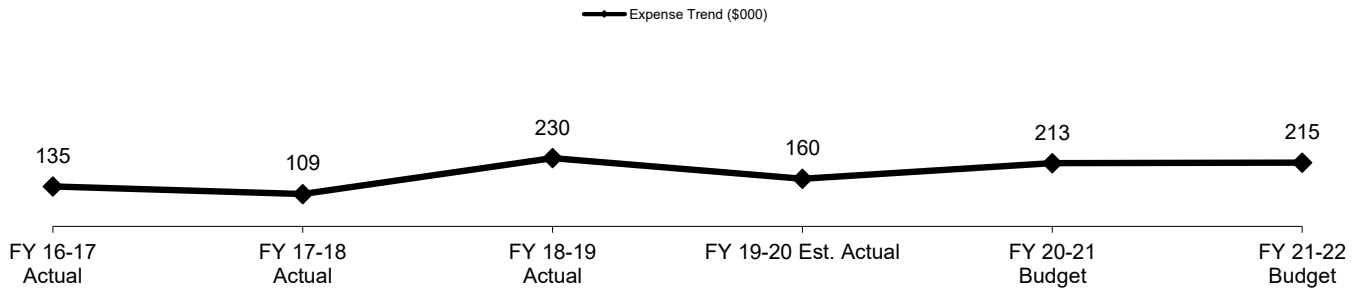
5500 Labor – Primarily labor hours worked by maintenance personnel in the Joint Powers Authority sewers located within the Joint Powers Authority (U-1 Sanitation District) area.

5510 Supplies/Materials – Items required by staff in maintaining the trunk sewer system. Increased funding is to replace manhole rings and covers.

5515 Outside Services – Funds to hire maintenance providers for emergency clean up and repairs, sewer flow monitoring, line cleaning and video inspection services. For FY 20-21 \$100,000 is included for sanitary sewer monitoring and closed circuit television (CCTV) work.

**Las Virgenes - Triunfo
Joint Powers Authority
Sewers - 751800**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$535	\$0	\$2,787	\$227	\$3,488	\$3,888	\$4,029
5405.1 Electricity	293	295	254	350	113	300	300
5405.4 Water	0	0	0	200	0	0	0
5420 Permits and Fee	472	472	472	472	472	8,000	8,000
Sub-total	\$1,300	\$767	\$3,513	\$1,249	\$4,303	\$12,188	\$12,329
MAINTENANCE DIVISION EXPENSE							
5500 Labor	41,066	31,495	55,165	41,873	43,442	45,375	47,438
5510 Supplies/Material	286	196	238	2,500	350	2,000	2,000
5515 Outside Services	30,230	27,192	80,804	30,000	24,000	30,000	30,000
Sub-total	\$71,582	\$58,883	\$136,207	\$74,373	\$67,792	\$77,375	\$79,438
SPECIALTY EXPENSES							
5710.2 Technical Services	0	0	1,313	0	1,789	2,004	2,237
5715.2 Other Laboratory Services	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$1,313	\$0	\$1,789	\$2,004	\$2,237
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	42,533	33,401	61,043	49,566	59,052	77,062	76,729
7226 Allocated Operations Services	19,449	15,902	27,690	22,807	27,174	44,420	44,228
Sub-total	\$61,982	\$49,303	\$88,733	\$72,373	\$86,226	\$121,482	\$120,956
TOTAL EXPENSES	\$134,864	\$108,953	\$229,766	\$147,995	\$160,110	\$213,049	\$214,960



JOINT POWERS AUTHORITY

Treatment/Reclamation – 751810

FUNCTION

To properly operate and maintain the wastewater treatment process in order to meet regulatory requirements and protect public health.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY21-22.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by treatment personnel to operate and maintain the plant.
- 5410.10 Sodium Hypochlorite – Usage expected to be at same levels.
- 5410.11 Sodium Bisulfite – Usage contingent upon discharge flows to Malibu Creek.
- 5410.13 Aqua Ammonia – Bulk deliveries to District facilities result in cost savings.
- 5415 Outside Services – Funds for maintenance and specialty services for safety equipment, instruments, grit and rags disposal, service contracts for analyzers, etc.
- 5417 Odor Control – Carbon replacement
- 5420 Permits/Fees – Funds NPDES and Non-NPDES permits from Regional Water Quality Control Board and SCAQMD permits for general plant operation, generators and air pollution control devices. Includes miscellaneous permits from other agencies.
- 5425 Consulting Services – Funds for consultant’s assistance during permit process.
- 5430 Capital Outlay – Funds for filter media replacement .

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.
- 5510 Supplies/Materials – Items required for staff for maintenance of plant facilities and equipment.
- 5515 Outside Services – Funding for repair and maintenance of mechanical equipment including generators, blowers and switchgears.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5525 Consulting Services – Funds for assistance in maintaining PLCs.
- 5530

EFFLUENT DISPOSAL LINE ITEM EXPLANATIONS

- 6788 District Sprayfields – Contractor, equipment, supply, and staff costs associated with maintaining farm fields, catch basins, roads, fences and equipment, disposing of effluent as needed due to permit requirements or distribution system upsets, and harvesting vegetation to remove nitrogen applied via irrigation on the Rancho Farm fields.
- 6789 005 Discharge – Pumping, energy and lab costs associated with disposal of effluent through 005. Due to the high turbidity of water available from RW Reservoir #2, the District did not discharge through 005. Following completion of Reservoir #2 improvements discharge through 005 will resume as needed.

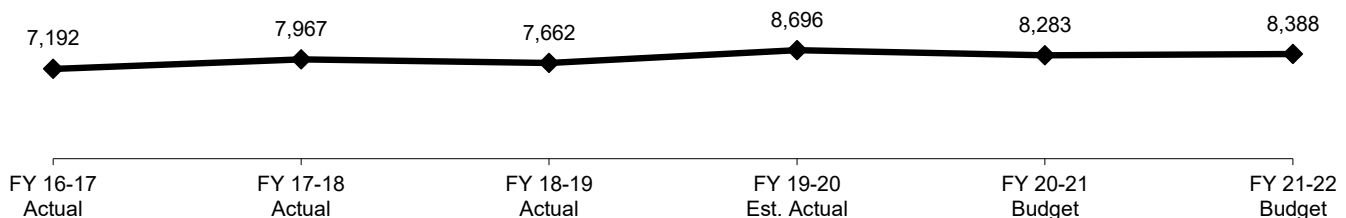
SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the SCADA system.
- 5715.2 Other Laboratory Services – Reflects outside laboratory testing. Increase due to annual bioassessment for Malibu Creek and Los Angeles River as required by the NPDES permit.
- 5715.3 Tapia Lab Sampling – Tapia laboratory staff costs for obtaining samples from the reclamation process.
- 7202 Allocated Lab Expense – Tapia laboratory costs for testing samples. Costs are based on total number of in-house tests performed for treatment divided by total number of tests performed in-house.

**Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Reclamation - 751810**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$1,129,884	\$1,102,930	\$1,279,747	\$1,273,237	\$1,331,612	\$1,336,000	\$1,335,000
5405.1 Electricity	699,722	797,216	648,935	877,204	653,000	487,500	525,000
5405.2 Telephone	22,609	3,137	17,199	19,568	22,000	20,000	20,000
5405.3 Natural Gas	9,741	8,743	11,395	10,082	12,000	10,000	10,000
5405.4 Water	3,747	5,263	5,837	3,392	5,000	5,500	5,500
5410 Supplies/Material	20,786	26,337	43,442	35,020	34,000	35,000	35,000
5410.1 Fuel	18,979	16,598	10,558	20,600	10,000	17,000	17,000
5410.5 Ferric Chloride	42,204	37,853	35,505	54,456	49,000	60,000	60,000
5410.6 Defoamer/Deodorant	6,082	7,079	3,981	4,120	3,000	4,120	4,120
5410.9 Alum	6,864	6,917	11,127	9,489	14,000	12,000	12,000
5410.10 Sodium Hypochlorite	212,248	184,319	297,177	208,274	225,000	230,000	230,000
5410.11 Sodium Bisulfite	77,498	98,766	91,143	115,936	91,000	115,936	115,936
5410.13 Aqua Ammonia	31,675	27,657	30,616	31,669	19,000	31,699	31,699
5415 Outside Services	28,745	37,732	48,133	30,900	57,000	120,650	120,650
5417 Odor Control	41,963	42,226	38,596	46,350	33,000	40,000	40,000
5420 Permits and Fee	91,189	89,767	91,082	101,365	101,300	102,000	102,000
5425 Consulting Services	0	96,515	46,286	4,302	37,000	40,000	40,000
5430 Capital Outlay	23,994	0	98,630	50,000	88,000	100,000	100,000
Sub-total	\$2,467,930	\$2,589,055	\$2,809,389	\$2,895,964	\$2,784,912	\$2,767,405	\$2,803,905
MAINTENANCE DIVISION EXPENSE							
5500 Labor	604,558	665,960	488,598	704,929	554,198	550,000	542,000
5510 Supplies/Material	210,976	192,150	180,230	240,000	198,000	130,000	140,000
5515 Outside Services	205,253	213,480	94,820	137,000	121,000	125,000	135,000
5518 Building Maintenance	37,573	51,195	87,276	60,000	151,304	160,804	166,630
5530 Capital Outlay	9,774	28,462	26,094	55,000	88,000	65,000	70,000
Sub-total	\$1,068,134	\$1,151,247	\$877,018	\$1,196,929	\$1,112,502	\$1,030,804	\$1,053,630
EFFLUENT DISPOSAL							
6788 District Sprayfield	251,449	283,186	314,316	321,779	250,000	270,000	275,000
6789 005 Discharge	277	387	10,917	400	400	400	400
Sub-total	\$251,726	\$283,573	\$325,233	\$322,179	\$250,400	\$270,400	\$275,400
SPECIALTY EXPENSES							
5700 SCADA Services	46,631	32,454	44,094	91,618	51,916	61,104	61,786
5710.2 Technical Services	0	0	0	517	3,460	3,875	4,325
5715.2 Other Lab Services	135,739	147,436	149,325	146,294	143,000	143,000	143,000
5715.3 Tapia Lab Sampling	114,536	120,856	120,068	139,344	110,210	160,000	165,000
7202 Allocated Lab Expense	344,163	363,855	402,279	408,917	474,596	475,000	475,000
Sub-total	\$641,069	\$664,601	\$715,766	\$786,690	\$783,182	\$842,979	\$849,111
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	1,896,260	2,228,931	2,045,414	2,508,634	2,530,000	2,437,656	2,454,968
7226 Allocated Operations Services	867,096	1,049,788	889,119	1,154,400	1,235,000	933,656	950,968
Sub-total	\$2,763,356	\$3,278,719	\$2,934,533	\$3,663,034	\$3,765,000	\$3,371,312	\$3,405,936
TOTAL EXPENSES	\$7,192,215	\$7,967,195	\$7,661,939	\$8,864,796	\$8,695,996	\$8,282,900	\$8,387,982

Expense Trend (\$000)



JOINT POWERS AUTHORITY

Treatment/Composting – 751820

FUNCTION

To provide for the operation and maintenance of facilities for the conversion of biosolids to a reusable compost product while meeting all state and federal regulatory requirements and the goal of conserving resources.

SIGNIFICANT CHANGES

Funding for biofilter monitoring (\$90,000 in line 5425) is included for FY 20-21.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked at the Composting Facility by Composting Facility personnel to operate and provide preventive maintenance.
- 5405 Utilities – These sub-accounts provide funds for electric and natural gas, telephone and water.
- 5410 Supplies/Material – Funds for miscellaneous chemicals and supplies required to operate the Composting Facility. Significant increase in citric acid cost as well as additional dewatering due to an increase in solids.
- 5410.7 Polymer used in the dewatering process.
- 5410.8 Amendment – Amendment usage increased due to extended dewatering and centrifuge run time. Amendment cost based on purchase of materials from new vendor.
- 5415 Outside Services – Funds for emissions monitoring services. Costs in FY 18-19 and FY 19-20 included biosolids disposal services.
- 5417 Odor Control – Bio filter media changes out annually.
- 5420 Permits/Fees – SCAQMD permit fees for general plant operation and LA County Department of Public Health solid waste fees.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

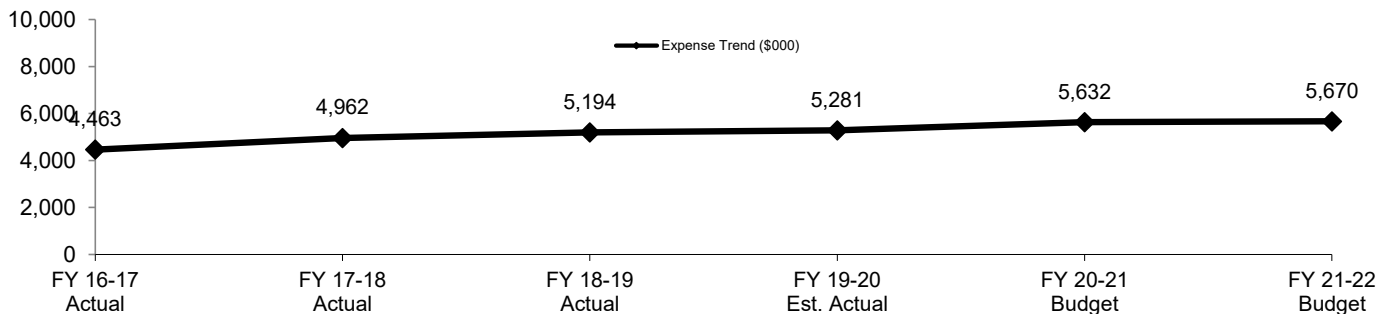
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services. Includes hours for RCPO staff to manage landscape contract.
- 5510 Supplies/Materials – Items required for staff to maintain plant facilities and equipment. FY16-17 budget includes funding to maintain facilities at current levels.
- 5515 Outside Services – Funds to hire any maintenance providers to assist in maintaining plant facilities including annual gas monitoring and facility maintenance.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the DCS system.
- 5710.2 Technical Services – The costs for any labor hours by Technical Services personnel.
- 5712 Sales/Use Tax Expense – Required tax remittance on imputed value of RLV Community Compost supplied.
- 5715.2 Other Laboratory Services – Reflects outside laboratory testing associated with marketing compost.
- 5715.3 Tapia Lab Sampling – Tapia laboratory staff costs for obtaining samples from the composting process are direct charged to this account.
- 7202 Allocated Lab Expense – Tapia laboratory costs for testing samples. Costs are based on total number of in-house tests performed for composting divided by total number of tests performed in-house.

**Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Composting - 751820**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$799,729	\$815,333	\$876,160	\$912,831	\$872,526	\$880,000	\$890,000
5405.1 Electricity	351,883	353,173	317,993	375,950	231,000	325,000	365,000
5405.2 Telephone	29,025	16,030	14,520	22,660	12,500	12,000	12,000
5405.3 Natural Gas	11,702	7,501	4,317	11,331	4,000	11,400	11,400
5405.4 Water	2,712	4,209	3,909	4,469	4,000	4,800	4,800
5410 Supplies/Material	28,982	25,794	29,724	27,628	24,000	28,450	28,450
5410.1 Fuel	7,229	1,253	4,338	4,807	1,000	4,950	5,000
5410.7 Polymer	120,588	117,798	149,870	108,876	81,000	147,000	147,000
5410.8 Amendment	142,893	101,919	48,336	123,600	21,000	135,000	135,000
5415 Outside Services	0	0	258,280	2,500	209,000	32,000	33,000
5417 Odor Control	101,740	99,393	37,014	154,500	24,000	145,000	145,000
5420 Permits and Fee	32,271	13,460	15,047	19,858	16,000	20,000	20,000
5430 Capital Outlay	0	0	0	0	0	40,000	40,000
Sub-total	\$1,628,754	\$1,555,863	\$1,759,508	\$1,769,010	\$1,500,026	\$1,875,600	\$1,836,650
MAINTENANCE DIVISION EXPENSE							
5500 Labor	459,605	481,074	594,660	555,759	542,588	508,000	533,000
5510 Supplies/Material	130,135	161,371	230,902	214,000	71,000	114,000	114,000
5515 Outside Services	134,053	57,778	133,943	135,000	134,000	115,000	135,000
5518 Building Maintenance	51,058	54,746	43,539	56,000	96,373	101,373	97,015
5525 Consulting Services	2,252	0	0	0	0	0	0
5530 Capital Outlay	36,000	133,090	0	40,000	0	0	0
Sub-total	\$813,103	\$888,059	\$1,003,044	\$1,000,759	\$843,961	\$838,373	\$879,015
SPECIALTY EXPENSES							
5700 SCADA Services	2,993	6,000	11,911	19,454	0	0	0
5710.2 Technical Services	0	0	0	129	7,038	7,884	8,799
5712 Compost Sales/Use Tax	2,922	3,246	2,989	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	3,525	4,334	8,093	7,440	0	8,000	8,000
5715.3 Tapia Lab Sampling	769	884	498	638	0	800	800
7202 Allocated Lab Expense	11,284	11,930	13,189	13,407	15,560	18,093	18,912
Sub-total	\$21,493	\$26,394	\$36,680	\$45,068	\$26,598	\$38,777	\$40,511
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	1,372,144	1,688,044	1,648,049	1,781,118	1,954,000	1,924,656	1,941,968
7226 Allocated Operations Services	627,437	803,187	746,318	819,609	956,000	954,656	971,968
Sub-total	\$1,999,581	\$2,491,231	\$2,394,367	\$2,600,727	\$2,910,000	\$2,879,312	\$2,913,936
TOTAL EXPENSES	\$4,462,931	\$4,961,547	\$5,193,599	\$5,415,564	\$5,280,585	\$5,632,062	\$5,670,112



JOINT POWERS AUTHORITY

Centrate Treatment – 751830

FUNCTION

To operate the centrate treatment facilities to allow Tapia WRF to meet its effluent nutrient requirements in the NPDES permit. The farm remains available for biosolids injection in emergency conditions.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY 21-22.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

5400 Labor – Labor hours for farm operations including centrate treatment and potential biosolids injection.

5410.1 Fuel – Diesel fuel for use on site.

5420 Permits and Fees – RWQCB permit fees for biosolids injection and SCAQMD permits for the generator, carbon scrubber, and biofilter..

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.

5515 Outside Services – Funds to hire any maintenance providers required to assist in building maintenance such as janitor, alarms, trash collection, etc. Increased funding due to maintenance of equipment associated with centrate treatment. Other services include compressor maintenance; refuse disposal, pest control and security services.

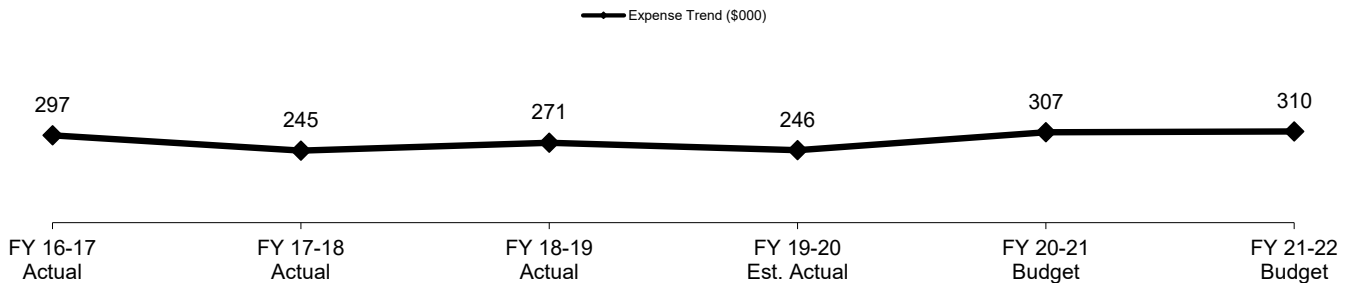
SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for assistance would be accumulated in this account.

5715 Laboratory Services – Tapia Laboratory service and outside laboratory service costs are charged to these accounts.

**Las Virgenes - Triunfo
Joint Powers Authority
Treatment/Centrated Treatment - 751830**

	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$0	\$0	\$0	\$3,797	\$0	\$0	\$0
5405.1 Electricity	58,285	64,786	64,838	71,482	64,000	70,000	70,000
5405.4 Water	1,203	1,430	1,673	1,005	2,000	1,700	1,700
5410 Supplies/Material	801	882	876	0	0	500	500
5410.1 Fuel	0	2,214	2,909	3,891	1,000	3,000	3,000
5420 Permits and Fee	69,327	69,341	75,887	69,500	87,071	90,000	90,000
Sub-total	\$129,616	\$138,653	\$146,183	\$149,675	\$154,071	\$165,200	\$165,200
MAINTENANCE DIVISION EXPENSE							
5500 Labor	38,725	14,196	18,962	28,411	5,641	6,674	6,970
5510 Supplies/Material	4,052	11,821	2,484	15,000	2,000	15,000	15,000
5515 Outside Services	24,495	10,096	22,455	17,000	4,000	17,000	17,000
Sub-total	\$67,272	\$36,113	\$43,901	\$60,411	\$11,641	\$38,674	\$38,970
SPECIALTY EXPENSES							
5715.2 Other Lab Services	1,960	2,521	1,114	3,121	2,000	3,000	3,000
5715.3 Tapia Lab Sampling	10,400	8,612	10,870	11,320	13,036	16,469	17,201
7202 Allocated Lab Expense	22,568	23,859	26,379	26,814	31,121	36,187	37,824
Sub-total	\$34,928	\$34,992	\$38,363	\$41,255	\$46,157	\$55,656	\$58,025
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	44,433	24,240	31,110	48,489	23,289	30,395	30,266
7226 Allocated Operations Services	20,316	10,797	11,573	22,312	10,717	17,520	17,446
Sub-total	\$64,749	\$35,037	\$42,683	\$70,801	\$34,005	\$47,915	\$47,712
TOTAL EXPENSES	\$296,565	\$244,795	\$271,130	\$322,142	\$245,874	\$307,445	\$309,907



JOINT POWERS AUTHORITY

Administration – 751840

FUNCTION

To fund general and administrative expenses specific to Joint Powers Authority operations.

SIGNIFICANT CHANGES

No significant changes are anticipated for FY20-21 or FY21-22.

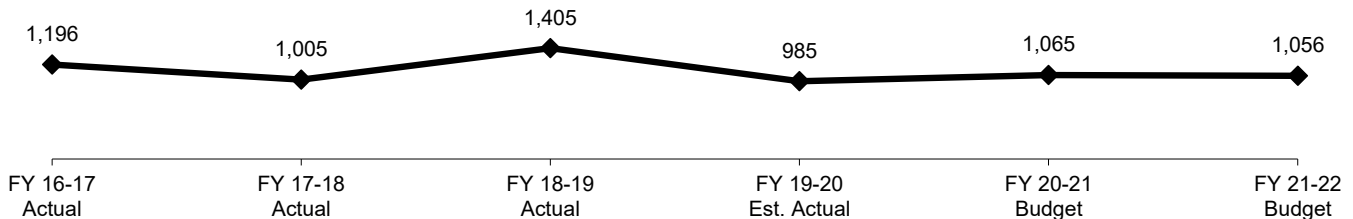
LINE ITEM EXPLANATIONS

- 5400 Labor – The costs for any labor hours worked on administrative function.
- 6602 School Education Program – Wastewater education initiatives, programs and tours. Also includes programs designed to accommodate home-school students.
- 6604 Public Education Program – Quarterly tours of Rancho/Tapia; Malibu Creek Watershed and regulatory issue outreach; JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc.
- 6606 Community Group Outreach – JPA related publications and community group outreach related to watershed stewardship and NPDES permit, and speaker's bureau expenses.
- 6608 Intergovernmental Coordination – Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies.
- 6785 Watershed Programs – Watershed Management: Staff participation and technical assistance managing water resources (primarily surface water quality) in the Malibu Creek and upper Los Angeles River watersheds. Also includes funding for Collaborative Research projects related to the Malibu Creek TMDL issue.
- 6872 Litigation – Outside Services – All litigation, settlements, attorney fees, court costs and legal costs for general litigation that are solely for the Joint Powers Authority.
- 6874 Litigation – District Costs – Costs for employee depositions, trial appearance, etc. for Joint Powers Authority lawsuit cases.
- 6516 Other Professional Services – Federal and State Regulatory Advocacy for securing funding and providing input on regulatory issues.
- 6517 Audit Fees – Joint Powers Authority's share of costs related to financial statement audit.
- 7110 Travel/Misc. Staff Expense – Travel and other expenses directly incurred in support of JPA issues.
- 7135 General Insurance – Property insurance costs.
- 6260 Rental Charge – Facilities Replacement – Internal charge to set aside funds for future facilities replacement.

**Las Virgenes - Triunfo
Joint Powers Authority
Administration - 751840**

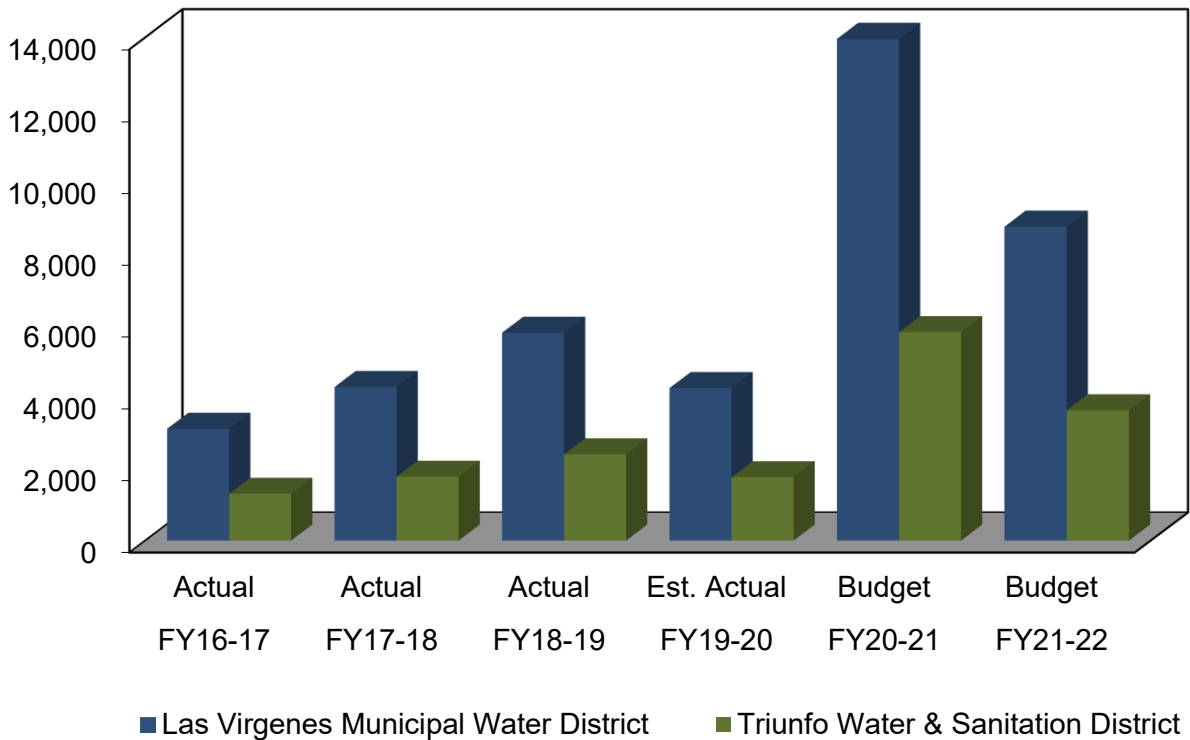
	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Actual	FY 19-20 Budget	FY 19-20 Est. Actual	FY 20-21 Budget	FY 21-22 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$1,424	\$0	\$0	\$717	\$0	\$0	\$0
Sub-total	\$1,424	\$0	\$0	\$717	\$0	\$0	\$0
INVENTORY EXPENSES							
5536 Inventory Adjustment	(2,393)	6,134	153,421	4,840	2,200	5,000	5,000
Sub-total	(\$2,393)	\$6,134	\$153,421	\$4,840	\$2,200	\$5,000	\$5,000
PUBLIC INFORMATION							
6602 School Education Program	22,535	14,394	2,586	20,971	814	20,000	20,000
6604 Public Education Program	70,275	45,330	29,554	67,722	23,627	20,069	20,842
6606 Community Group Outreach	1,182	2,911	0	6,028	0	8,000	8,000
6608 Intergovernmental Coordination	4,146	1,098	411	5,298	0	5,000	5,000
Sub-total	\$98,138	\$63,733	\$32,551	\$100,019	\$24,441	\$53,069	\$53,842
RESOURCE CONSERVATION							
6785 Watershed Programs	60,773	17,097	1,800	46,594	14,000	20,000	20,000
Sub-total	\$60,773	\$17,097	\$1,800	\$46,594	\$14,000	\$20,000	\$20,000
ADMINISTRATIVE EXPENSES							
6872 Litigation/Outside Services	83,990	49,115	206,946	25,000	135,000	0	0
6516 Other Professional Services	95,007	167,843	266,417	137,000	156,600	156,600	156,600
6517 Audit Fees	3,395	3,395	3,377	3,700	6,000	6,000	6,000
7110 Travel/Misc Staff Expense	248	0	0	0	0	0	0
7135.1 Property Insurance	56,955	69,614	79,858	59,779	80,859	0	0
7135.4 Earthquake Insurance	91,466	110,557	117,389	95,559	92,073	0	0
7145 Claims Paid	122,451	21,000	0	0	0	0	0
7153 TWSD Staff Services	0	0	0	5,000	5,500	6,000	6,000
7155 Other Expense	54,029	9,000	0	0	0	0	0
6260 Rental Charge - Facility Repl	371,357	351,674	377,618	363,316	355,453	363,316	363,316
Allocated Insurance	0	0	0	0	0	175,131	183,888
Allocated Legal Services	0	0	0	0	0	135,000	135,000
7203 Allocated Building Maint	83,651	89,824	153,010	88,804	92,424	115,392	96,642
7225 Allocated Support Services	51,723	31,374	8,767	163,458	14,326	18,696	18,612
7226 Allocated Operations Services	23,652	14,936	3,977	75,217	6,592	10,777	10,728
Sub-total	\$1,037,924	\$918,332	\$1,217,359	\$1,016,834	\$944,828	\$986,912	\$976,786
TOTAL EXPENSES	\$1,195,866	\$1,005,296	\$1,405,131	\$1,169,004	\$985,469	\$1,064,981	\$1,055,628

Expense Trend (\$000)



**Las Virgenes - Triunfo
Joint Powers Authority
Capital Improvement Projects
Annual Expenditures
(Dollars in Thousands)**

	FY16-17 Actual	FY17-18 Actual	FY18-19 Actual	FY19-20 Est. Actual	FY20-21 Budget	FY21-22 Budget
Las Virgenes MWD	3,125	4,287	5,793	4,256	13,957	8,740
Triunfo WSD	1,308	1,785	2,412	1,772	5,812	3,639
	4,433	6,072	8,205	6,028	19,769	12,379



*Estimated and Projected expenditures represent working capital requirements for each fiscal year.

CIP Projects FY 2020-21 and FY 2021-22

Sanitation

SCADA System Communications Upgrade-10520

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Migration of the existing communication system from a serial radio network to an Ethernet based radio network. Provide redundant data paths for uninterrupted communication. Eliminate need to rely on telephone company equipment.	32,447.00	93,100.00	60,653.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	-	-	527,942.56	
	TWSD Share Amount (29.4%)	-	-	-	219,851.44	
	Project Totals	-	-	-	747,794.00	840,894.00

Tapia Programmable Logic Controller Upgrades-10567

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: This project replaces programmable logic controllers (PLC's) with newer PLCs and provides necessary equipment upgrades (fiber optics, network switches and programming) to complete the installation. This is a program project which addresses Tapia in the first two years and centrate treatment in the third year. Design will occur in the first year for all facilities.	136,665.00	1,311,560.00	1,174,895.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	839,038.64	1,668,514.51	-	-	
	TWSD Share Amount (29.4%)	349,401.36	694,820.49	-	-	
	Project Totals	1,188,440.00	2,363,335.00	-	-	2,500,000.00

Summer Season TMDL Compliance-10619

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: In February 2017 the SWRCB adopted the Implementation Plan for the 2013 TMDL. The plan provides for compliance with summer time limits within five years. The options for compliance include a "side stream" treatment plant, the use of potable water and nutrient trading in the watershed. This CIP funds the selection, preliminary studies, outreach, CEQA analysis, preliminary design and final design for summer time compliance. Project 10611 (Duct Bank Infrastructure Upgrade) was added to this program for the FY19-20 planning period. Construction of a 1 MGD "side stream" treatment facility at Tapia to treat potable water for stream flow augmentation. Project is currently in 80% final design.	318,175.00	1,449,985.00	1,131,810.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	1,050,097.34	1,849,155.20	-	-	
	TWSD Share Amount (29.4%)	437,292.66	770,044.80	-	-	
	Project Totals	1,487,390.00	2,619,200.00	-	-	2,937,375.00

Pure Water Project-10635

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: This project funds preliminary studies, outreach, CEQA analysis, preliminary design and final design. The 2018 project cost estimate (\$121M) was updated using an annual inflationary factor of 3%.	648,654.00	3,456,482.00	2,807,828.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	2,959,673.43	4,942,000.00	5,824,156.88	-	
	TWSD Share Amount (29.4%)	1,232,498.57	2,058,000.00	2,425,357.12	-	
	Project Totals	4,192,172.00	7,000,000.00	8,249,514.00	146,243,486.00	162,141,654.00
	Project Offset			(1,424,537.15)		
				Net Project	160,717,116.85	

A/B Bus Electrical Modification-10661

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Study the feasibility of reconfiguring the Tapia electrical switch gear and then hire electrical team to make the modifications. Construction cost estimates will be developed following the completion of the feasibility study.	-	100,000.00	100,000.00

	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %					
LV Share Amount (70.6%)		70,600.00	-	-	
TWSD Share Amount (29.4%)		29,400.00	-	-	
Project Totals	-	100,000.00	-	-	100,000.00

Rancho Las Virgenes Storm Water Diversion-10668

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replacement of two storm water diversion structures at the Rancho Las Virgenes Composting Facility. Structures have lifted and need to be addressed. The drainage from the V-ditch goes to a discharge point in Las Virgenes Creek. There is a concern that sludge and/or reclaimed water entering into the V-ditch could enter the creek via the drainage from the V-ditch. An Open/Close valve should be installed at the drainage area so that operators control the contents of the V-ditch. A sump pump system with discharge piping should be included so that the contents can be pumped either to the field of offsite.	3,746.00	41,767.00	38,021.00

	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %					
LV Share Amount (70.6%)	74,154.71	100,997.54	83,025.60	-	
TWSD Share Amount (29.4%)	30,880.29	42,058.46	34,574.40	-	
Project Totals	105,035.00	143,056.00	117,600.00	-	264,402.00

Develop Seating Area at Tapia-10669

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Develop tour seating area and climate appropriate landscaping at Tapia adjacent to the control building.	14,035.00	25,000.00	10,965.00

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	-	7,741.29	-	-	
TWSD Share Amount (29.4%)	-	3,223.71	-	-	
Project Totals	-	10,965.00	-	-	25,000.00

Centrate 24" Valve Replacement

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replace two (2) buried 24-inch Miliken valves at the centrate facility.	-	264,000.00	264,000.00

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	17,650.00	204,034.00	-	-	
TWSD Share Amount (29.4%)	7,350.00	84,966.00	-	-	
Project Totals	25,000.00	289,000.00	-	-	289,000.00

Rancho Las Virgenes Digester Cleaning and Repair-10680

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Rehabilitation and repair of Digester No. 2 at Rancho Compost Facility.	2,235,428.00	2,235,428.00	-

		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %	LV Share Amount (70.6%)	438,468.36	438,468.36	-	-	
	TWSD Share Amount (29.4%)	182,591.64	182,591.64	-	-	
	Project Totals	621,060.00	621,060.00	-	-	2,856,488.00

Rancho Fire Repair- Woolsey Fire-10689

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Repair compost and cure building, fire damaged windows and roofing, mechanical equipment, irrigation system, electrical, architectural facade, biofilter and other damaged items.	682,985.00	1,989,455.00	1,306,470.00

		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %	LV Share Amount (70.6%)	125,385.60	1,047,753.42	-	-	
	TWSD Share Amount (29.4%)	52,214.40	436,316.58	-	-	
	Project Totals	177,600.00	1,484,070.00	-	-	2,167,055.00
	Project Offset		-	-		
				Net Project	2,167,055.00	

JPA Facility Repairs-Woolsey Fire-10692

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Repair JPA owned fire damaged facilities, property and equipment. Damage include irrigation systems at Rancho Compost Facility and Reservoir 2. Budget for design under CIP# 10691.	3,864.00	878,612.00	874,748.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	617,572.09	-	-	
	TWSD Share Amount (29.4%)	-	257,175.91	-	-	
	Project Totals	-	874,748.00	-	-	878,612.00
	Project Offset		-	-		
				Net Project	878,612.00	

Tapia Effluent Pump Station-10702

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Remove or abandon in place existing 4160 volt feeders currently suspended from the top slab of the Effluent Pump Station wet well, underneath the existing MCCs. Perform electrical design and replace the overhead 4160 volt feeders. Ensure coordination with 480 volt switch gear improvements.	-	100,000.00	100,000.00

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	70,600.00	279,576.00	-	
	TWSD Share Amount (29.4%)	-	29,400.00	116,424.00	-	
	Project Totals	-	100,000.00	396,000.00	-	496,000.00

Tapia Tertiary Filter Rehab-10703

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Tertiary Filters concrete rehabilitation. Approximately 25 locations that require a 1 square foot patching with rebar repair. Replace 45 metal plates (2' X 4') on the filter deck and fix concrete around the plates with proper joint sealer. Also include the repair of an electrical panel in the Filter gallery. Replace existing electric actuators at filter structure with new electric actuators. Program plant control system to function with both remote PLC control of actuators and local actuator control. Upgrade local controls to replace old filter annunciator panels which are currently located on the top	-	60,000.00	60,000.00

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	-	-	-	55,915.20	
TWSD Share Amount (29.4%)	-	-	-	23,284.80	
Project Totals	-	-	-	79,200.00	79,200.00

Rancho Reliability Improvements-201839

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, beyond useful life, or obsolescence. Specific projects are identified for each fiscal year.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	93,192.00	93,192.00	93,192.00	-	
TWSD Share Amount (29.4%)	38,808.00	38,808.00	38,808.00	-	
Project Totals	132,000.00	132,000.00	132,000.00	1,056,000.00	1,320,000.00

Tapia Water Reclamation Facility Improvements-201840

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replace or rehabilitate facilities and equipment at the Tapia Water Reclamation facility based on failure, end of useful life, or obsolescence. Specific projects are identified for each fiscal year.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	93,192.00	93,192.00	93,192.00	-	
TWSD Share Amount (29.4%)	38,808.00	38,808.00	38,808.00	-	
Project Totals	132,000.00	132,000.00	132,000.00	1,056,000.00	1,320,000.00

Tapia Influent Pump Replacement-201854

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replacement of two (2) influent pumps with dry pit submersible pumps. Dry pit submersible pumps will improve staff's ability to maintain and improve staff safety when performing maintenance. This project was identified in the 2017 Carollo study.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	-	-	279,576.00	-	
TWSD Share Amount (29.4%)	-	-	116,424.00	-	
Project Totals	-	-	396,000.00	924,000.00	1,320,000.00

Lift Station No.1 Pump Replacement-201855

		Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description: Replacement of (3) pumps						
		-	-	-		
		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %						
	LV Share Amount (70.6%)	-	-	279,576.00	-	
	TWSD Share Amount (29.4%)	-	-	116,424.00	-	
	Project Totals	-	-	396,000.00	-	396,000.00

Lift Station No.2 Pump Replacement-201856

		Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description: Replacement of (3) pumps						
		-	-	-		
		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
Sanitation-100 %						
	LV Share Amount (70.6%)	-	-	279,576.00	-	
	TWSD Share Amount (29.4%)	-	-	116,424.00	-	
	Project Totals	-	-	396,000.00	-	396,000.00

Tapia Hypochlorite Tank Replacement-201857

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replace the three fiberglass sodium hypochlorite tanks at Tapia. They are over 20 years old and beyond their expected life span. Leaks have been frequently developing and repairs are costly and difficult.	-	-	-

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	136,399.20	136,399.20	-	-	
	TWSD Share Amount (29.4%)	56,800.80	56,800.80	-	-	
	Project Totals	193,200.00	193,200.00	-	-	193,200.00

Tapia Secondary Clarifier Rehab-201858

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Repair the secondary clarifiers. The current launders are leaking and need to have the wall seal repaired. Replacement on the inlet diffusers and skimming tubes is also necessary as they are corroded and leaking. Re-caulking the expansion joints and structural repairs to catwalks are needed as they are separating from the wall.	-	-	-

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	-	-	198,386.00	
	TWSD Share Amount (29.4%)	-	-	-	82,614.00	
	Project Totals	-	-	-	281,000.00	281,000.00

Tapia Effluent Meter Replacement-201859

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description:			
With the summertime compliance project being constructed next year, the 001 out fall meter will be removed. Additionally, the Tapia groundwater meter has aged out and the 003 meter needs to be replaced. These meters are regulatory required. This project replaces the 001, 003 and the Tapia groundwater effluent meters.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	23,298.00	23,298.00	-	-	
TWSD Share Amount (29.4%)	9,702.00	9,702.00	-	-	
Project Totals	33,000.00	33,000.00	-	-	33,000.00

Tapia Sludge Wet Well Re-Circulation-201860

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description:			
The re-circulation (mixing) piping at the Tapia sludge wet wells is corroded and develops leaks. This project replaces this piping.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	-	-	44,336.80	-	
TWSD Share Amount (29.4%)	-	-	18,463.20	-	
Project Totals	-	-	62,800.00	-	62,800.00

Tapia Air Line Repair-201861

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description:	-	-	-

The air line which conveys compressed air to the treatment process has leaks which not only allow air to escape, but also allow contaminants to enter into the pipeline and potentially the air diffusers. A large portion of this line was repaired, however a section of the pipeline was not addressed. This section needs to be addressed to stop leakage and protect the diffuser membranes.

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	-	35,300.00	-	
	TWSD Share Amount (29.4%)	-	-	14,700.00	-	
	Project Totals	-	-	50,000.00	-	50,000.00

Rancho Valving In Street Replacement- 201862

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description:	-	-	-

Replace the broken or damaged R.E.W. and Potable Water valving throughout the facility.

Sanitation-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	-	178,971.00	-	
	TWSD Share Amount (29.4%)	-	-	74,529.00	-	
	Project Totals	-	-	253,500.00	-	253,500.00

Multi Site Security Assessment and Improvement- JPA-201866

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Security Assessment of various District sites and facilities. This will include access controls and security camera installations and improvements.	26,000.00	26,000.00	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	22,870.16	22,610.71	-	
	TWSD Share Amount (29.4%)	9,523.84	9,415.79	-	
	Project Totals	32,394.00	32,026.50	-	90,420.50

Tapia Gantry Crane-201875

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Design, build and construct gantry crane for future maintenance of aeration basin diffusers.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	81,613.36	-	
	TWSD Share Amount (29.4%)	-	33,986.40	-	
	Project Totals	-	115,599.76	-	115,599.76

Tapia Flow Equalization-201904

		Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description:						
This project consists of the development of a preliminary design report to evaluate the storage and conveyance of Tapia primary effluent to help store and equalize the diurnal peak flows that Tapia sees between dry and wet weather events. This maximizes effluent available for the AWT and also improves and provides consistent water quality for the feed water to the						
		-	-	-		
Sanitation-100 %						
		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	70,600.00	70,600.00	176,500.00	4,878,460.00	
	TWSD Share Amount (29.4%)	29,400.00	29,400.00	73,500.00	2,031,540.00	
	Project Totals	100,000.00	100,000.00	250,000.00	6,910,000.00	7,260,000.00

Tapia HVAC Replacement-201906

		Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description:						
Replace existing 40-year old HVAC at Tapia.						
		-	-	-		
Sanitation-100 %						
		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	214,624.00	214,624.00	-	-	
	TWSD Share Amount (29.4%)	89,376.00	89,376.00	-	-	
	Project Totals	304,000.00	304,000.00	-	-	304,000.00

Rancho Generator Study and Purchase-201907

	Prior Year Expenditures	Prior Year Appropriations	Carryforward			
Project Description: Commission study/design of backup generator requirements followed by purchase and installation of recommended equipment	-	-	-			

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	214,624.00	214,624.00	194,390.04	-
	TWSD Share Amount (29.4%)	89,376.00	89,376.00	80,949.96	-
	Project Totals	304,000.00	304,000.00	275,340.00	-
					579,340.00

Concrete Corrosion/Crack Repair-Tapia-201912

	Prior Year Expenditures	Prior Year Appropriations	Carryforward			
Project Description: Repair failing concrete at the Tapia Water Reclamation Facility	-	-	-			

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	46,596.00	46,596.00	46,596.00	-
	TWSD Share Amount (29.4%)	19,404.00	19,404.00	19,404.00	-
	Project Totals	66,000.00	66,000.00	66,000.00	198,000.00

Lift Station Improvements- 201914

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Repair and rehabilitate aging lift stations.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	105,900.00	105,900.00	783,660.00	-	
TWSD Share Amount (29.4%)	44,100.00	44,100.00	326,340.00	-	
Project Totals	150,000.00	150,000.00	1,110,000.00	1,110,000.00	2,370,000.00

Fire Hardening- JPA Facilities-201915

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Fire hardening strategy for JPA facilities includes preventative measures and protection systems for both internal and external sources of fire. Potential facility improvements include: 1) Employing advanced detectors and utilizing a plant fire safety systems; and 2) evaluation and, if feasible, installation of a perimeter fire defense system. Fire Hardening also includes creating larger defensible space around critical structures and providing wider access roads and preventative improvements to facilities.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	186,384.00	186,384.00	186,384.00	-	
TWSD Share Amount (29.4%)	77,616.00	77,616.00	77,616.00	-	
Project Totals	264,000.00	264,000.00	264,000.00	2,112,000.00	2,640,000.00

Discharge Point Rehab-201918

	Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description:					
Evaluate and repair failed 003 Discharge point pipeline (into Malibu Creek). Contract for inspection, an engineering study and a design report to determine the most cost effective means to repair failed 24" potable water pipeline from the Tapia Water Reclamation Facility to Malibu Creek. The pipeline will be used to supply potable supplement to the Malibu Creek during low flow periods.Approximately one (1) mile of pipeline needs to be and preventative improvements to facilities.	-	-	-		
Sanitation-100 %					
	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	543,125.80	543,125.80	-	-	
TWSD Share Amount (29.4%)	226,174.20	226,174.20	-	-	
Project Totals	769,300.00	769,300.00	-	-	769,300.00

Grit Chamber Mixing System Replacement-60030

	Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Project Description:					
Replace grit chamber mixing system with a more efficient mixing system.	-	-	-		
Sanitation-100 %					
	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	-	-	-	93,898.00	
TWSD Share Amount (29.4%)	-	-	-	39,102.00	
Project Totals	-	-	-	133,000.00	133,000.00

New RAS Wet Well and Pumps-60031

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Replace RAS wet well and pumps to increase pumping capacity and reliability.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	84,720.00	84,720.00	-	790,720.00	
TWSD Share Amount (29.4%)	35,280.00	35,280.00	-	329,280.00	
Project Totals	120,000.00	120,000.00	-	1,120,000.00	1,240,000.00

Centrate Tank Inspection and Rehabilitation Assesment-70019

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Tank inspections and recommendations for rehabilitation.	-	-	-

Sanitation-100 %	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	7,060.00	7,060.00	-	-	
TWSD Share Amount (29.4%)	2,940.00	2,940.00	-	-	
Project Totals	10,000.00	10,000.00	-	-	10,000.00

Trunk Sewer System Improvements-99983

Project Description:
 Replace or rehabilitate trunk sewer system components based on CCTV, condition assessment & SSMP, end of useful life, or obsolescence. Specific projects are identified for each fiscal year (see project 201877 for FY 20-21 related activity).

		Prior Year Expenditures	Prior Year Appropriations	Carryforward		
Sanitation-100 %						
		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	-	783,660.00	-	
	TWSD Share Amount (29.4%)	-	-	326,340.00	-	
	Project Totals	-	-	1,110,000.00	-	1,110,000.00

Sanitation Summary

		7,869,300.00			
		Carryforward	Appropriations	FY 20-21 Budget	FY 21-22 Appropriations
LV Share Amount (70.6%)	5,555,725.80	7,347,053.25	12,860,021.57	8,740,169.16	
TWSD Share Amount (29.4%)	2,313,574.20	3,059,537.75	5,355,306.43	3,639,673.95	
	7,869,300.00	10,406,591.00	18,215,328.00	12,379,843.11	

Recycled Water

Canyon Oaks Park RW Main Extension-10629

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Extension to serve the City of Westlake Village's Oak Canyon Park and eliminate a long private service line to Yerba Buena School. Funding from Prop 84 IRWM 2015.	7,451.00	399,780.00	392,329.00

Recycled-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	276,631.98	-	-	
	TWSD Share Amount (29.4%)	-	115,198.02	-	-	
	Project Totals	-	391,830.00	-	-	399,281.00
	Project Offset		(106,090.00)	Net Project	293,191.00	

Cordillera Tank Rehab-10665

	Prior Year Expenditures	Prior Year Appropriations	Carryforward
Project Description: Rehabilitation of Cordillera Tank including interior and exterior coating, valve and appurtenance upgrades and replacements, restoration of deteriorated asphalt, and work to ensure up-to-date compliance for safety and water quality equipment.	39,879.00	1,201,267.00	1,161,388.00

Recycled-100 %		FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations	Future Year Appropriations	Project Total
	LV Share Amount (70.6%)	-	819,939.93	-	-	
	TWSD Share Amount (29.4%)	-	341,448.07	-	-	
	Project Totals	-	1,161,388.00	-	-	1,201,267.00

Recycled Water Summary

	Carryforward	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations
LV Share Amount (70.6%)	1,022,024.66	-	1,096,571.91	-
TWSD Share Amount (29.4%)	425,602.34	-	456,646.09	-
	1,447,627.00	-	1,553,218.00	

Santitation Summary

	Carryforward	Appropriations	FY 20-21 Budget	FY 21-22 Appropriations
LV Share Amount (70.6%)	5,555,725.80	7,347,053.25	12,860,021.57	8,740,169.16
TWSD Share Amount (29.4%)	2,313,574.20	3,059,537.75	5,355,306.43	3,639,673.95
	7,869,300.00	10,406,591.00	18,215,328.00	12,379,843.11

Grand Total

	Carryforward	FY 20-21 Appropriations	FY 20-21 Budget	FY 21-22 Appropriations
LV Share Amount (70.6%)	6,577,750.46	7,347,053.25	13,956,593.48	8,740,169.16
TWSD Share Amount (29.4%)	2,739,176.54	3,059,537.75	5,811,952.52	3,639,673.95
	9,316,927.00	10,406,591.00	19,768,546.00	12,379,843.11