



# Las Virgenes – Triunfo Joint Powers Authority

FY 2017-18  
Budget

June 5, 2017



# **Las Virgenes – Triunfo Joint Powers Authority**

Fiscal Year 2017-18

## **Triunfo Sanitation District**

Steven Iceland  
Susan Pan  
Janna Orkney  
Michael Paule  
James Wall - Chair

Mark Norris – District Manager

## **Las Virgenes Municipal Water District**

Leonard Polan  
Charles Caspary  
Glen Peterson – Vice Chair  
Lee Renger  
Jay Lewitt

David Pedersen – General Manager

Administering Agency:  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302-1994  
818.251.2100  
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**Las Virgenes – Triunfo Joint Powers Authority**  
4232 Las Virgenes Road, Calabasas, CA 91302  
818.251.2100



**DATE:** June 5, 2017

**TO:** Las Virgenes-Triunfo Joint Powers Authority (JPA) Board of Directors

On June 6, 2016, the Board adopted the Fiscal Year 2016-17 Budget and approved the Fiscal Year 2017-18 Budget Plan. This represented the JPA's first-ever, two-year budget. As staff reviewed the budget plan, the proposed Fiscal Year 2017-18 Operating Budget required a net increase of only \$50,510, less than a 1% change over the approved plan.

During Fiscal Year 2017-18, the JPA will move forward with efforts to maximize its use of recycled water, reduce discharges to Malibu Creek, achieve long-term compliance with environmental regulations and renew aging infrastructure. The proposed budget addresses these and other key JPA priorities to ensure the continued delivery of high-quality services to its customers. The following key issues and initiatives are among those addressed in the budget:

Managing the Effects of the Drought: During Fiscal Year 2016-17, the JPA experienced low wholesale recycled water sales and sewer flows due to the record-setting statewide drought. Inflows to the Tapia Water Reclamation Facility dropped to 5.96 million gallons per day, which was 32% less than peak flows in Fiscal Year 2007-08 and 2.69% less than in Fiscal Year 2015-16. The proposed budget anticipates a 5.7% annual increase in wholesale recycled water sales and a 5.8% annual increase in sewer flows, reflecting a very modest increase in water usage with significantly improved hydrologic conditions.

Pure Water Project Las Virgenes-Triunfo: On August 1, 2016, the JPA Board approved a Basis of Design Report and identified Scenario 4, indirect potable reuse using Las Virgenes Reservoir, as the preferred approach to maximize the JPA's beneficial use of recycled water and effectively eliminate discharges to Malibu Creek. Subsequently, the effort was renamed the Pure Water Project Las Virgenes-Triunfo. Staff will be performing the following tasks for the proposed project during Fiscal Year 2016-17:

- Completing a siting study for an advanced water treatment plant;
- Performing due diligence and environmental review for the potential acquisition of a property on Agoura Road;
- Initiating the environmental review for Pure Water Project Las Virgenes-Triunfo;
- Completing a mixing study for storage of purified water at Las Virgenes Reservoir;
- Initiating a Title XVI Feasibility Study using grant funding provided by the U.S. Bureau of Reclamation;
- Completing the preliminary and final designs for a demonstration project to be located in Building No. 1 at the Las Virgenes Municipal Water District Headquarters campus; and
- Continuing public outreach efforts to gain support for the effort.

**James Wall**  
Chair, Las Virgenes-Triunfo  
Joint Powers Authority  
Chair, Triunfo Sanitation District  
Board of Directors

**Glen Peterson**  
Vice Chair, Las Virgenes-Triunfo  
Joint Powers Authority  
President, Las Virgenes Municipal Water District  
Board of Directors

Tapia Water Reclamation Facility NPDES Permit Renewal: The National Pollution Discharge Elimination System (NPDES) Permit for the Tapia Water Reclamation Facility is anticipated to be renewed on June 1, 2017, together with a Time Schedule Order (TSO) for chloride limits applied to discharges to the Los Angeles River. The JPA will need to begin efforts to implement the requirements of the new NPDES Permit and TSO. These activities will include developing plans to comply with the 2013 TMDL nutrient limits for summertime fish flows, continuing progress on the Pure Water Project Las Virgenes-Triunfo and investigating the sources of chloride in the JPA's recycled water.

Investments in the Future: The proposed Fiscal Year 2017-18 Budget includes investment in a number of important projects to ensure the reliability of the JPA's services to its customers in the future. Following are examples of those projects:

- Completion of process air improvements at Tapia;
- Repair and cleaning of the Rancho Las Virgenes Composting Facility Digesters;
- Completion of the Lost Hills Overpass Recycled Water Main Relocation in partnership with the City of Calabasas; and
- Completion of primary sedimentation tank rehabilitation work at Tapia.

In summary, the JPA faces challenges in the upcoming fiscal year to address changes associated with drought recovery on wholesale recycled water sales and sewer inflows, implement new regulatory requirements and invest in the rehabilitation of the JPA's infrastructure. The proposed budget addresses these challenges and ensures that sufficient resources are dedicated to continue delivering high-quality, reliable services to the JPA's customers for many years to come.

## **ACKNOWLEDGEMENTS**

This budget document represents the hard work and dedication of many employees who thoughtfully and carefully considered the resources needed to achieve the quality of services expected by customers, while remaining stewards of the JPA's funds.

Very Truly Yours,

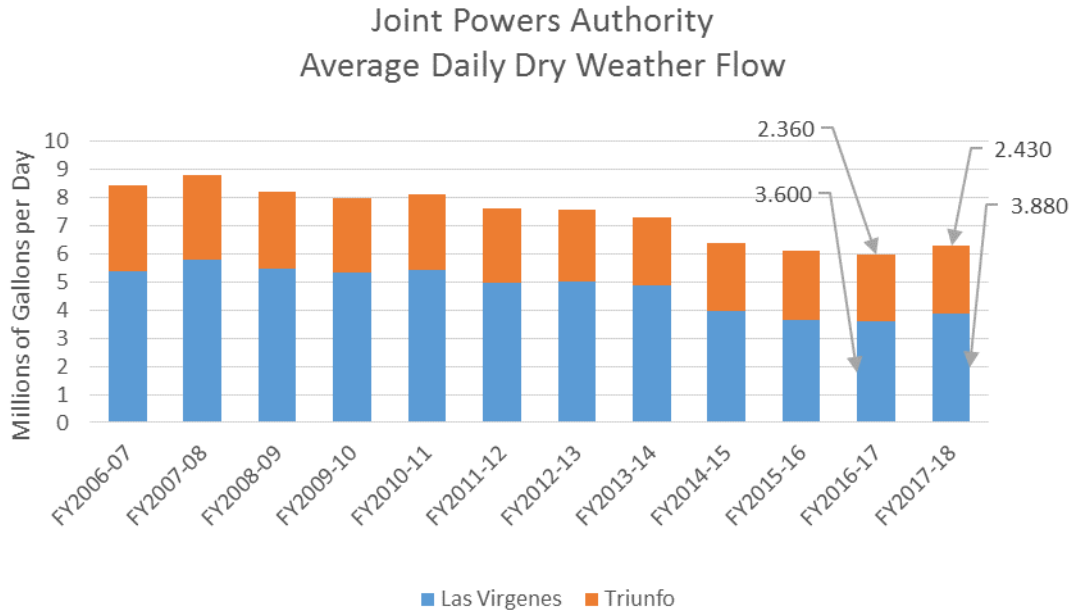


David W. Pedersen, P.E.  
Administering Agent/General Manager

## **BUDGET OVERVIEW**

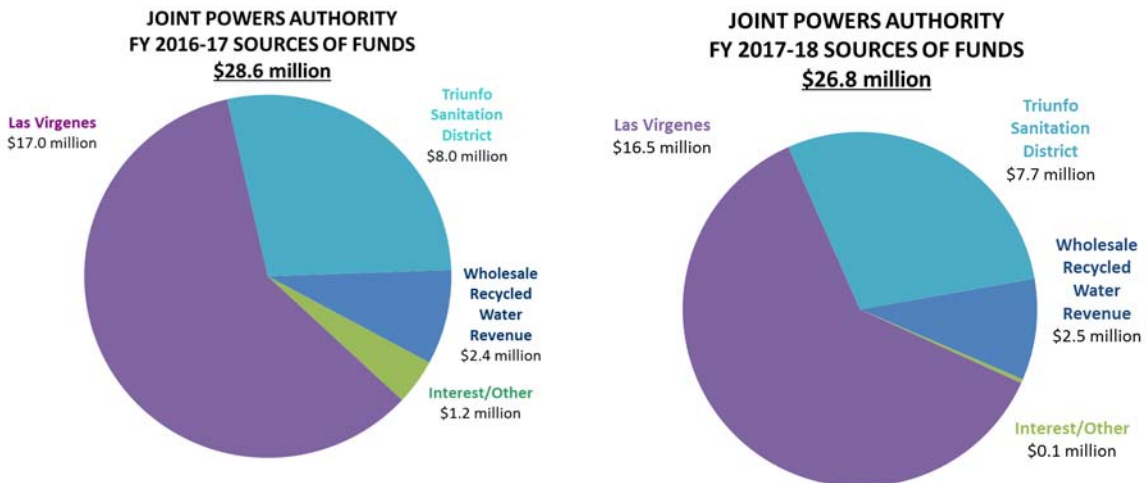
The following pages present an overview of the Fiscal Year 2016-18 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement.

The following graph shows the participant's sewage flows since FY 2006-07. 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 2017-18 assume a slight 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.



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 2016-17 and FY 2017-18: LVMWD 39.4%; TSD 60.6%),
- Participants' reserve capacity rights in the treatment plant and recycled water system (FY 2016-17 and FY 2017-18: LVMWD 70.6%; TSD 29.4%),
- Participants' flow into the treatment plant (varies monthly – FY 2016-17: projected to be LVMWD 61.7%; TSD 38.3%, and FY 2017-18: projected to be LVMWD 61.5%; TSD 38.5%), 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 2016-17 is estimated to be \$0.36 million more than budgeted in FY15/16 for operations and \$5.82 million more in capital projects. For FY 2017-18, \$0.41 million more than budgeted in FY16/17 for operations and \$0.28 million less in capital projects.

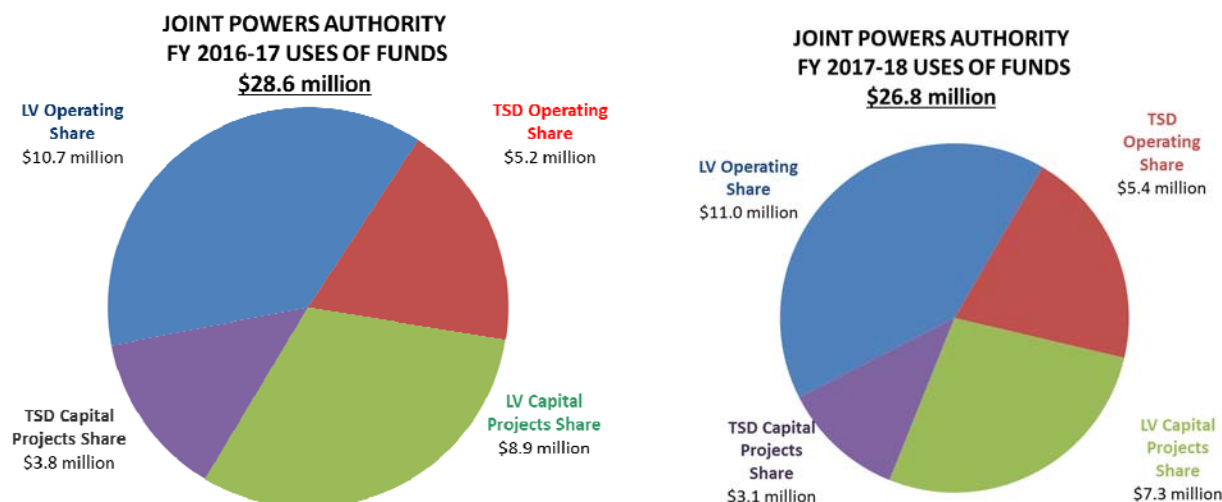
LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
WORKING CAPITAL ANALYSIS - SOURCES OF FUNDS

	FY2013-14 ACTUAL	FY2014-15 ACTUAL	FY2015-16 ACTUAL	FY2016-17 BUDGET	FY2016-17 EST. ACTUAL	FY2017-18 BUDGET
<b>Operating Revenue</b>						
Recycled Water Revenue						
Las Virgenes Municipal Water District	2,052,560	1,508,136	1,557,726	1,664,596	1,665,136	1,707,782
Triunfo Sanitation District	839,098	626,542	728,937	745,625	747,639	765,442
Total Recycled Water Revenue	<u>2,891,658</u>	<u>2,134,678</u>	<u>2,286,663</u>	<u>2,410,221</u>	<u>2,412,775</u>	<u>2,473,224</u>
MWD Incentive - Local Projects	107,800	100,331	-	-	-	-
Other	103,418	91,221	59,178	80,000	100,000	80,000
Total Operating Revenue	<u>3,102,876</u>	<u>2,326,230</u>	<u>2,345,841</u>	<u>2,490,221</u>	<u>2,512,775</u>	<u>2,553,224</u>
<b>Interest &amp; Other Revenue</b>	<u>12,854</u>	<u>47,924</u>	<u>33,063</u>	<u>1,080,000</u>	<u>172,231</u>	<u>20,000</u>
<b>Participant's Contribution</b>						
Las Virgenes Municipal Water District						
Operations	8,254,018	8,624,539	7,623,145	8,889,799	8,180,741	9,134,827
Capital Projects	4,360,957	2,581,699	1,986,781	8,101,971	2,568,559	7,337,311
Total Las Virgenes	<u>12,614,975</u>	<u>11,206,238</u>	<u>9,609,926</u>	<u>16,991,770</u>	<u>10,749,300</u>	<u>16,472,138</u>
Triunfo Sanitation District						
Operations	3,783,274	4,305,046	3,917,234	4,503,373	3,830,633	4,667,075
Capital Projects	1,816,036	1,075,099	827,356	3,498,762	1,072,493	3,055,481
Total Triunfo	<u>5,599,310</u>	<u>5,380,145</u>	<u>4,744,590</u>	<u>8,002,135</u>	<u>4,903,126</u>	<u>7,722,556</u>
<b>Total Sources of Funds</b>	<u>21,330,015</u>	<u>18,960,537</u>	<u>16,733,420</u>	<u>28,564,126</u>	<u>18,337,432</u>	<u>26,767,918</u>



## Use of Joint Powers Authority Funds

For operations and capital improvement projects, the use of funds in the proposed budget is \$28.6 million for FY 2016-17, and \$26.8 million for FY 2017-18, as shown below.



The proposed operating expenses for FY 2017-18 are approximately \$472,000, or 2.97% higher than the adopted budget for FY 2016-17. The main drivers for the increased operating expenses are projected increases of approximately: \$332,000 in allocated labor and support costs, \$75,000 in electricity, and \$150,000 in capital outlay. These increases are offset by a projected decrease in outside sources of \$195,000 that was budgeted last year for a new regulatory requirement for increased weed abatement in FY 2016-17.

The proposed capital improvement project (CIP) budget for FY17/18 is approximately \$0.3 million lower than the budget for FY16/17. 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. Overall, the total budget is \$1.8 million (6.3%) lower than the FY16/17 approved budget due to the increases in operating budgets.

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

	FY2013-14 ACTUAL	FY2014-15 ACTUAL	FY2015-16 ACTUAL	FY2016-17 BUDGET	FY2016-17 EST. ACTUAL	FY2017-18 BUDGET
<b>Operating Expenses</b>						
Las Virgenes Municipal Water District	10,454,069	10,222,574	9,303,649	10,664,344	9,971,209	10,953,852
Triunfo Sanitation District	4,698,953	4,966,985	4,615,634	5,239,049	4,572,940	5,421,274
Total Operating Expenses	15,153,022	15,189,559	13,919,283	15,903,393	14,544,149	16,375,126
<b>Non-Operating Expenses</b>						
Las Virgenes Municipal Water District	0	80,611	0	0	0	0
Triunfo Sanitation District	0	33,569	0	0	0	0
Total Non-Operating Expenses	0	114,180	0	0	0	0
<b>Capital Projects</b>						
Las Virgenes Municipal Water District	4,360,957	2,581,699	1,986,781	8,850,331	2,676,034	7,337,311
Triunfo Sanitation District	1,816,036	1,075,099	827,356	3,810,402	1,117,249	3,055,481
Total Capital Projects	6,176,993	3,656,798	2,814,137	12,660,733	3,793,283	10,392,792
<b>Total Uses of Funds</b>	21,330,015	18,960,537	16,733,420	28,564,126	18,337,432	26,767,918

## **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 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, 2017 proposed wholesale rate for recycled water with pumping is \$423.13 per acre foot, which is lower than the previous rate of \$423.41 per acre foot. For wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$311.96 per acre foot is a decrease from \$315.53 per acre foot in the prior year.

## **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.

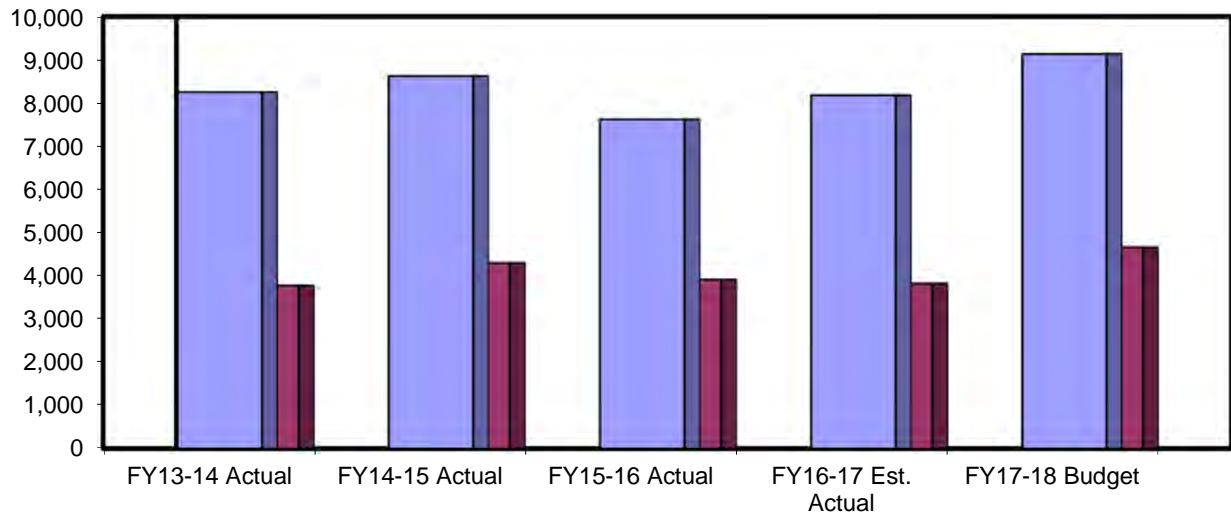
The FY 2016-17 Las Virgenes Municipal Water District budget for general and administrative expenses (otherwise known as Internal Services) is \$16.0 million. Of this total, \$5.68 million is allocated to the JPA based upon projected labor hours. For FY 2017-18, \$16.5 million total and \$6.42 allocated.

## **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)

	FY13-14 Actual	FY14-15 Actual	FY15-16 Actual	FY16-17 Est. Actual	FY17-18 Budget
<b>JPA Revenues</b>	3,103	2,326	2,346	2,513	2,553
<b>JPA Expenses</b>	15,153	15,189	13,920	14,544	16,375
<b>Net Operating Expense</b>	12,050	12,863	11,574	12,031	13,822
<b>Non-Operating Revenue (Expense)</b>	13	(66)	34	20	20
<b>Net Expenses</b>	12,037	12,929	11,540	12,011	13,802
<b>Las Virgenes Municipal Water District</b>	8,254	8,624	7,623	8,181	9,135
<b>Triunfo Sanitation District</b>	3,783	4,305	3,917	3,830	4,667
<b>Total Allocated Expenses</b>	12,037	12,929	11,540	12,011	13,802



■ Las Virgenes Municipal Water District    
 ■ Triunfo Sanitation District

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

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATING REVENUES</b>							
4235 RW Sales - LVMWD	\$2,052,560	\$1,508,136	\$1,557,726	\$1,664,596	\$1,665,136	\$1,654,203	\$1,707,782
4240 RW Sales - TSD	839,098	626,542	728,937	745,625	747,639	741,871	765,442
4245 MWD Incentive - Local Projects	107,800	100,331	0	0	0	0	0
4505 Other Income from Operations	63,028	54,523	41,954	65,000	65,000	65,000	65,000
4510 Compost Sales	40,390	36,698	17,224	15,000	35,000	15,000	15,000
<b>TOTAL OPERATING REVENUES</b>	<b>\$3,102,876</b>	<b>\$2,326,230</b>	<b>\$2,345,841</b>	<b>\$2,490,221</b>	<b>\$2,512,775</b>	<b>\$2,476,074</b>	<b>\$2,553,225</b>
<b>SOURCE OF SUPPLY</b>							
5115 Purchased Water - Potable Suppl	0	136,529	0	0	34,124	0	0
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	1,851,775	1,833,291	1,814,962	1,862,173	1,920,070	1,935,364	1,935,364
5405.1 Electricity	2,746,502	2,547,058	2,227,083	2,393,041	1,925,688	2,470,770	2,470,770
5405.2 Telephone	20,587	21,501	31,564	25,112	29,821	25,488	25,488
5405.3 Natural Gas	11,782	23,294	17,631	16,385	18,804	16,631	16,631
5405.4 Water	10,520	11,141	7,022	9,580	7,576	9,725	9,725
5410 Supplies/Material	101,724	58,280	80,525	74,350	80,574	75,365	75,365
5410.1 Fuel	15,979	14,978	6,004	14,604	2,895	15,233	15,233
5410.5 Ferric Chloride	84,096	60,306	56,100	69,500	31,956	70,700	70,700
5410.6 Defoamer/Deodorant	5,992	5,990	0	6,800	6,500	0	0
5410.7 Polymer	167,894	114,821	81,706	117,485	115,000	119,247	119,247
5410.8 Amendment	242,394	181,136	200,344	193,000	185,500	195,000	195,000
5410.9 Alum	25,577	14,569	6,205	25,600	15,500	25,900	25,900
5410.10 Sodium Hypochlorite	272,557	243,406	150,971	160,000	159,000	160,000	160,000
5410.11 Sodium Bisulfite	187,291	150,059	110,119	130,000	70,000	130,000	130,000
5410.13 Aqua Ammonia	18,298	20,249	40,318	50,000	18,035	50,000	50,000
5415 Outside Services	30,376	42,275	46,961	52,349	92,712	40,997	50,097
5417 Odor Control	99,259	130,480	72,177	141,200	149,143	141,800	145,000
5420 Permits and Fee	172,834	188,358	181,108	190,482	198,987	193,249	191,945
5425 Consulting Services	10,142	11,582	948	0	0	0	0
5430 Capital Outlay	38,610	16,609	27,790	82,000	20,000	0	37,000
Sub-total	\$6,114,189	\$5,689,383	\$5,159,538	\$5,613,661	\$5,047,761	\$5,675,469	\$5,723,465
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	1,204,745	1,259,216	1,114,953	1,408,815	1,181,715	1,445,396	1,445,396
5510 Supplies/Material	423,874	532,159	589,873	477,008	323,594	484,164	484,164
5515 Outside Services	214,212	362,683	362,494	509,015	470,426	313,657	313,657
5518 Building Maintenance	115,790	108,602	96,566	107,000	78,973	108,605	116,840
5520 Permits and Fee	937	768	814	500	500	500	500
5525 Consulting Services	0	4,002	0	0	0	0	0
5530 Capital Outlay	47,789	23,670	31,622	143,000	138,500	275,640	293,640
Sub-total	\$2,007,347	\$2,291,100	\$2,196,322	\$2,645,338	\$2,193,708	\$2,627,962	\$2,654,197
<b>INVENTORY EXPENSES</b>							
5536 Inventory Adjustment	50	12,800	3,102	4,400	4,000	4,840	4,840
Sub-total	\$50	\$12,800	\$3,102	\$4,400	\$4,000	\$4,840	\$4,840
<b>PUBLIC INFORMATION</b>							
6602 School Education Program	5,156	10,509	9,290	9,915	13,017	11,975	11,975
6604 Public Education Program	66,785	39,331	57,663	67,634	66,155	71,835	71,835
6606 Community Group Outreach	373	1,184	220	5,015	455	6,525	6,525
6608 Intergovernmental Coordination	1,872	1,842	6,008	10,342	6,448	10,618	10,618
Sub-total	\$74,186	\$52,866	\$73,181	\$92,906	\$86,075	\$100,953	\$100,953
<b>RESOURCE CONSERVATION</b>							
6788 District Sprayfield	267,574	254,095	258,114	311,384	249,912	311,920	311,920
6789 005 Discharge	350	5,523	3,652	370	360	380	380
6785 Watershed Programs	23,796	27,504	4,370	88,389	1,000	89,474	89,474
Sub-total	\$291,720	\$287,122	\$266,136	\$400,143	\$251,272	\$401,774	\$401,774

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

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	88,895	68,401	58,619	135,650	71,555	142,568	142,568
5710.2 Technical Services	0	1,090	1,228	320	0	332	332
5712 Compost Sales/Use Tax	7,852	4,549	3,721	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	148,230	147,489	168,185	151,292	72,459	153,562	153,562
5715.3 Tapia Lab Sampling	135,336	140,569	137,910	132,887	125,499	137,915	137,915
7202 Allocated Lab Expense	356,930	351,743	335,237	397,304	402,645	411,386	411,386
Sub-total	\$737,243	\$713,841	\$704,900	\$821,453	\$676,158	\$849,763	\$849,763
<b>ADMINISTRATIVE EXPENSES</b>							
6872 Litigation/Outside Services	88,533	219,268	106,211	50,000	150,000	50,000	50,000
6874 Litigation/District Costs	0	0	0	0	5,000	0	0
6516 Other Professional Services	92,259	20,186	149,719	6,540	100,000	50,000	50,000
6517 Audit Fees	5,300	2,500	3,296	2,650	2,575	2,730	2,730
7110 Travel/Misc Staff Expense	13	54	138	0	26	0	0
7135.1 Property Insurance	55,127	55,181	55,132	56,801	55,132	59,073	59,073
7135.4 Earthquake Insurance	92,800	89,726	88,786	91,475	88,786	95,134	95,134
7145 Claims Paid	0	147,000	18,000	0	72,000	0	0
7153 TSD Staff Services	500	4,036	1,804	5,000	5,000	5,000	5,000
6260 Rental Charge - Facility Repl	389,038	344,732	336,150	336,456	336,150	377,798	377,798
7203 Allocated Building Maint	80,473	88,082	95,945	95,565	82,757	85,410	97,010
7225 Allocated Support Services	3,413,211	3,432,606	3,288,672	4,044,489	3,690,779	4,177,028	4,218,645
7226 Allocated Operations Services	1,711,033	1,602,547	1,372,249	1,636,516	1,662,846	1,684,532	1,684,745
Sub-total	\$5,928,287	\$6,005,918	\$5,516,102	\$6,325,492	\$6,251,051	\$6,586,705	\$6,640,135
<b>TOTAL EXPENSES</b>	<b>\$15,153,022</b>	<b>\$15,189,559</b>	<b>\$13,919,281</b>	<b>\$15,903,393</b>	<b>\$14,544,149</b>	<b>\$16,247,466</b>	<b>\$16,375,127</b>
<b>NET OPERATING EXPENSE</b>	<b>\$12,050,146</b>	<b>\$12,863,329</b>	<b>\$11,573,440</b>	<b>\$13,413,172</b>	<b>\$12,031,374</b>	<b>\$13,771,392</b>	<b>\$13,821,902</b>

**FISCAL YEAR 2016-17 ESTIMATED ACTUAL  
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS**

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	148,030	0	0	0	0	148,030
TREATMENT RECLAMATION	0	4,716,565	2,439,079	0	0	7,155,644
TREATMENT COMPOSTING	0	2,971,662	1,588,720	0	0	4,560,382
TREATMENT INJECTION	0	145,572	121,995	0	0	267,567
PUMP STATIONS	0	1,129,955	0	0	0	1,129,955
TANKS/RESERVOIR WELLS	0	109,093	0	0	0	109,093
SYSTEM OPERATION	0	33,505	0	0	0	33,505
WATER SYSTEM	0	83,131	0	0	0	83,131
ADMINISTRATIVE EXPENSES	0	1,050,267	0	2,575	0	1,052,842
TAPIA WAREHOUSE	0	4,000	0	0	0	4,000
REVENUES	0	(2,512,775)	0	0	(20,000)	(2,532,775)
<b>TOTAL EXPENSES</b>	<b>148,030</b>	<b>7,730,975</b>	<b>4,149,794</b>	<b>2,575</b>	<b>(20,000)</b>	<b>12,011,374</b>

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	A		B		C		D		E		TOTAL	
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	53,735	53.1%	4,636,947	38.8%	1,610,120	25.0%	644	82.2%	(16,449)	52.3%	6,284,997
U-2 SANITATION DISTRICT	3.1%	4,589	17.5%	1,528,184	21.6%	896,356	25.0%	644	0.0%	0	20.2%	2,429,773
RECYCLED WATER FUND				(534,029)								(534,029)
LVMWD	39.4%	58,324	70.6%	5,631,102	60.4%	2,506,476	50.0%	1,288	82.2%	(16,449)	72.6%	8,180,741
TRIUNFO SANITATION DISTRICT	60.6%	89,706	29.4%	2,099,873	39.6%	1,643,318	50.0%	1,287	17.8%	(3,551)	27.4%	3,830,633
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>148,030</b>	<b>100.0%</b>	<b>7,730,975</b>	<b>100.0%</b>	<b>4,149,794</b>	<b>100.0%</b>	<b>2,575</b>	<b>100.0%</b>	<b>(20,000)</b>	<b>100.0%</b>	<b>12,011,374</b>

**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 reclaimed 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 2016-17**

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS			ESTIMATED ERUs	
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%	ESTIMATED NUMBER OF ERUs	GPD PER ERU
	(A)	(B)	(C)	(D)	(D) / (B)		(E)	(A)/(E)
U-1 SANITATION DISTRICT	2.31	843	38.8%	6,284,997	7,456	50.1%	18,621	124
U-2 SANITATION DISTRICT	1.29	470	21.6%	2,429,773	5,170	19.4%	6,736	191
LVMWD	3.60	1,313	60.4%	8,714,770	6,637	69.5%	25,357	142
TRIUNFO SANITATION DISTRICT	2.36	861	39.6%	3,830,633	4,449	30.5%	12,257	192
<b>TOTAL ALL PARTICIPANTS</b>	<b>5.96</b>	<b>2,174</b>	<b>100.0%</b>	<b>12,545,403 *</b>	<b>5,771</b>	<b>100.0%</b>	<b>37,614</b>	<b>158</b>
RETURN FLOWS	1.30	476						
WESTLAKE WELLS	0.25	91						
<b>FY 2017-18 JPA Budget</b>	<b>7.51</b>	<b>2,741</b>						

\* Total expenses allocated is net of non-operating interest income.

**FISCAL YEAR 2017-18 OPERATING BUDGET**  
**ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS**

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	250,225	0	0	0	0	250,225
TREATMENT RECLAMATION	0	4,908,961	3,030,453	0	0	7,939,414
TREATMENT COMPOSTING	0	3,219,561	2,010,346	0	0	5,229,907
TREATMENT INJECTION	0	231,655	204,259	0	0	435,914
PUMP STATIONS	0	1,207,631	0	0	0	1,207,631
TANKS/RESERVOIR WELLS	0	108,845	0	0	0	108,845
SYSTEM OPERATION	0	39,505	0	0	0	39,505
WATER SYSTEM	0	105,016	0	0	0	105,016
ADMINISTRATIVE EXPENSES	0	1,051,100	0	2,730	0	1,053,830
TAPIA WAREHOUSE	0	4,840	0	0	0	4,840
REVENUES	0	(2,553,225)	0	0	(20,000)	(2,573,225)
<b>TOTAL EXPENSES</b>	<b>250,225</b>	<b>8,323,889</b>	<b>5,245,058</b>	<b>2,730</b>	<b>(20,000)</b>	<b>13,801,902</b>

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$				
U-1 SANITATION DISTRICT	36.3%	90,832	53.1%	4,868,914	38.4%	2,014,102	25.0%	683	82.2%	(16,449)	50.4%	6,958,082
U-2 SANITATION DISTRICT	3.1%	7,757	17.5%	1,604,633	23.1%	1,211,608	25.0%	683	0.0%	0	20.5%	2,824,681
RECYCLED WATER FUND				(647,936)								(647,936)
<b>TOTAL LVMWD</b>	<b>39.4%</b>	<b>98,589</b>	<b>70.6%</b>	<b>5,825,611</b>	<b>61.5%</b>	<b>3,225,710</b>	<b>50.0%</b>	<b>1,366</b>	<b>82.2%</b>	<b>(16,449)</b>	<b>70.9%</b>	<b>9,134,827</b>
TRIUNFO SANITATION DISTRICT	60.6%	151,636	29.4%	2,498,278	38.5%	2,019,348	50.0%	1,364	17.8%	(3,551)	29.1%	4,667,075
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>250,225</b>	<b>100.0%</b>	<b>8,323,889</b>	<b>100.0%</b>	<b>5,245,058</b>	<b>100.0%</b>	<b>2,730</b>	<b>100.0%</b>	<b>(20,000)</b>	<b>100.0%</b>	<b>13,801,902</b>

**GROUP**

- A** Basis of allocation to each participant is participant's reserve capacity rights in the trunk sewer.
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**JOINT POWERS AUTHORITY**  
**PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION**  
**FY 2017-18**

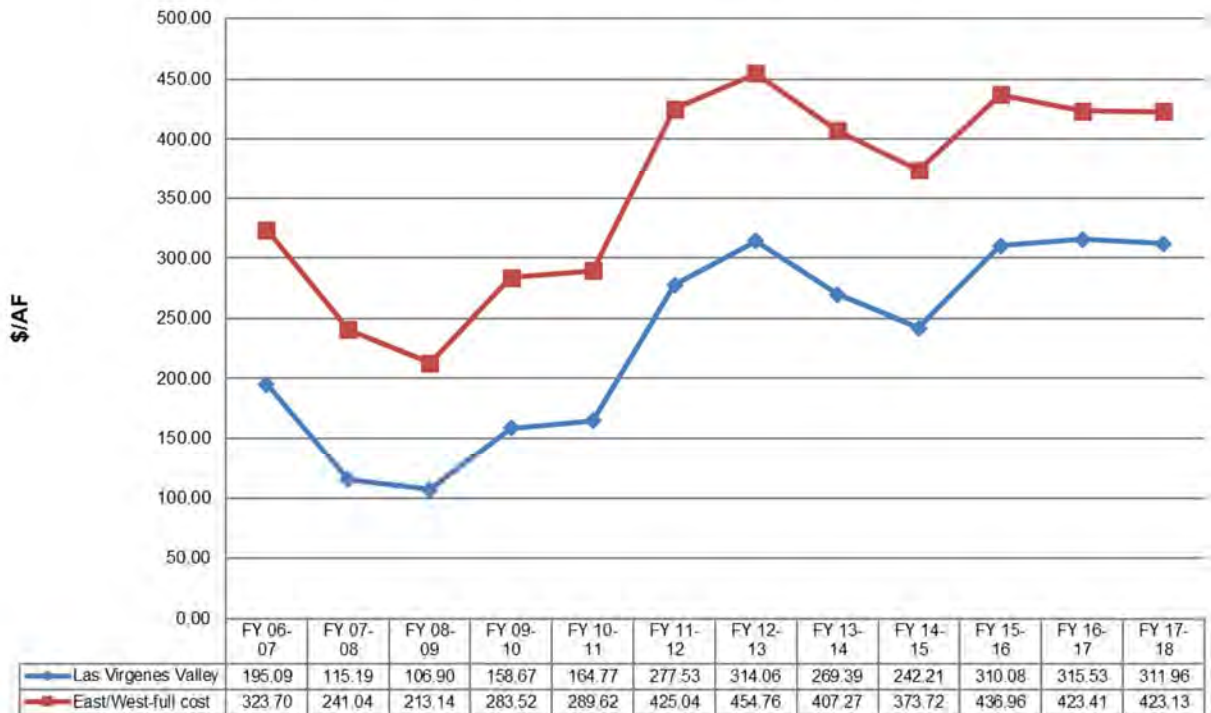
PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS			PROJECTED ERUs	
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%	PROJECTED NUMBER OF ERUs	GPD PER ERU
	(A)	(B)	(C)	(D)	(D) / (B)		(E)	(A)/(E)
U-1 SANITATION DISTRICT	2.42	883	38.4%	6,958,082	7,877	48.2%	18,750	129
U-2 SANITATION DISTRICT	1.46	533	23.1%	2,824,681	5,301	19.5%	6,718	217
LVMWD	3.88	1,416	61.5%	9,782,763	6,908	67.7%	25,468	152
TRIUNFO SANITATION DISTRICT	2.43	887	38.5%	4,667,075	5,262	32.3%	12,257	198
<b>TOTAL ALL PARTICIPANTS</b>	<b>6.31</b>	<b>2,303</b>	<b>100.0%</b>	<b>14,449,838 *</b>	<b>6,274</b>	<b>100.0%</b>	<b>37,725</b>	<b>167</b>
RETURN FLOWS	1.28	467						
WESTLAKE WELLS	0.25	91						
	<b>7.84</b>	<b>2,862</b>						

\* Total expenses allocated is net of non-operating interest income.

## Annual JPA Wholesale Recycled Water Sales



## JPA Wholesale Recycled Water rates





FY 2017-18 PROPOSED BUDGET  
RW WHOLESALE RATE COMPUTATIONS

FY 2017-18 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,207,631	581,516	626,115	
Reservoirs	108,845	108,845		
System Operations	39,505	39,505		
Distribution	105,016	105,016		
RW Operations	<u>1,460,997</u>			
RW Ops/Total JPA Ops	8.9%			
Total JPA Admin	1,058,670			
RW Administration	94,455	94,455		
subtotal:Operations & Admin	<u>1,555,452</u>	<u>929,337</u>		
Depreciation FY15-16	917,757	917,757	-	
Total Cost	<u>\$ 2,473,209</u>	<u>\$ 1,847,094</u>	<u>\$ 626,115</u>	

Costs per Acre Foot	<u>\$ 311.96</u>	<u>\$ 111.17</u>	<u>\$ 423.13</u>
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FY 2017-18 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	289	\$ 311.96 /AF	\$ 90,156.44
LVMWD East	1,517	\$ 423.13 /AF	\$ 641,888.21
LVMWD West	2,306	\$ 423.13 /AF	\$ 975,737.78
Total LVMWD	<u>4,112</u>		<u>\$ 1,707,782.43</u>
TSD	1,809	\$ 423.13 /AF	\$ 765,442.17
	<u>5,921</u>		<u>\$ 2,473,224.60</u>

# 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 normally projected using the prior 3 years' average purchases by each JPA partner and adjusted as necessary for weather and outage conditions. For FY 2015-16, sales were projected at FY 2014-15 levels, less 8% reduction, estimated for water conservation/drought restrictions. For FY16-17 and for FY17-18 sales are projected to increase 3% annually.

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

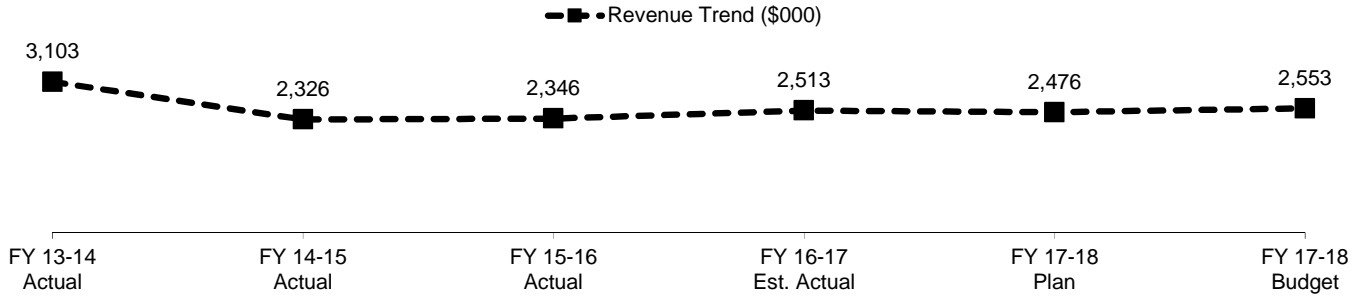
4245 MWD Incentive Local Projects – Funding from Metropolitan Water District to encourage reduction of potable water demand up to 700 af per year at \$154/af. The twenty-five (25) year agreement between the MWD and the JPA expired in November, 2014.

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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATING REVENUES</b>							
4235 RW Sales - LVMWD	\$2,052,560	\$1,508,136	\$1,557,726	\$1,664,596	\$1,665,136	\$1,654,203	\$1,707,782
4240 RW Sales - TSD	839,098	626,542	728,937	745,625	747,639	741,871	765,442
4245 MWD Incentive - Local Projects	107,800	100,331	0	0	0	0	0
4505 Other Income from Operations	63,028	54,523	41,954	65,000	65,000	65,000	65,000
4510 Compost Sales	40,390	36,698	17,224	15,000	35,000	15,000	15,000
<b>TOTAL OPERATING REVENUES</b>	<b>\$3,102,876</b>	<b>\$2,326,230</b>	<b>\$2,345,841</b>	<b>\$2,490,221</b>	<b>\$2,512,775</b>	<b>\$2,476,074</b>	<b>\$2,553,225</b>



5525 Consulting Services

# **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 FY16-17 or FY 17-18.

### **OPERATING EXPENSE LINE ITEM EXPLANATIONS**

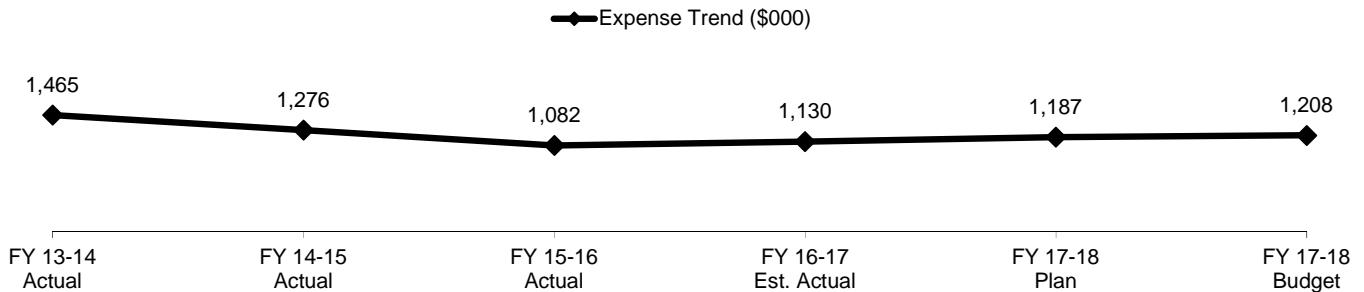
- 5400 Labor – Primarily labor hours worked by Water Treatment and Production and Water Reclamation personnel to operate and provide preventive maintenance to equipment and facilities at the various Joint Powers Authority pump stations.
- 5405.1 Energy – Energy costs for recycled water pump stations. 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 Cla Val parts (\$45K).

### **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.

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

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$34,886	\$38,232	\$29,500	\$30,749	\$34,614	\$31,462	\$31,462
5405.1 Electricity	1,326,341	1,049,230	964,611	961,813	960,000	1,018,073	1,018,073
5405.2 Telephone	0	0	0	0	0	0	0
5405.4 Water	0	0	0	0	78	0	0
5410 Supplies/Material	18,644	15,667	8,397	14,000	33,307	14,200	14,200
5415 Outside Services	275	4,072	6,745	4,900	4,153	5,000	5,000
5430 Capital Outlay	0	0	0	45,000	0	0	20,000
Sub-total	\$1,380,146	\$1,107,201	\$1,009,253	\$1,056,462	\$1,032,152	\$1,068,735	\$1,088,735
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	5,194	45,538	11,056	23,722	14,053	24,338	24,338
5510 Supplies/Material	14,748	7,599	1,013	7,800	6,986	7,917	7,917
5515 Outside Services	1,882	744	1,040	1,200	1,157	1,250	1,250
5530 Capital Outlay	0	0	0	0	0	0	0
Sub-total	\$21,824	\$53,881	\$13,109	\$32,722	\$22,196	\$33,505	\$33,505
<b>SPECIALTY EXPENSES</b>							
5710.2 Technical Services	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	42,107	78,366	41,805	58,615	52,121	60,420	61,021
7226 Allocated Operations Services	21,107	36,585	17,445	23,718	23,486	24,367	24,370
Sub-total	\$63,214	\$114,951	\$59,250	\$82,333	\$75,607	\$84,787	\$85,391
<b>TOTAL EXPENSES</b>	<b>\$1,465,184</b>	<b>\$1,276,033</b>	<b>\$1,081,612</b>	<b>\$1,171,517</b>	<b>\$1,129,955</b>	<b>\$1,187,027</b>	<b>\$1,207,631</b>



# **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 FY16-17 or FY 17-18.

### **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 and Reservoir 3 to maintain the quality of the water within the recycled water distribution system. Includes expenditures related to weed abatement, landscape maintenance, and septic service. FY17 request includes an additional request (above status quo spending) of \$12 for tank diving.

5420 Well 1 & 2 water rights.

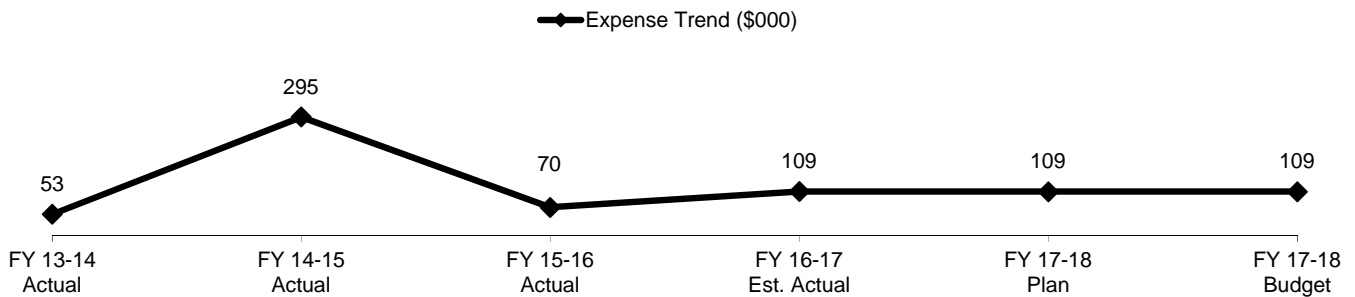
### **MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS**

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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>SOURCE OF SUPPLY</b>							
5115 Purchased Water - Potable Suppl	\$0	\$136,529	\$0	\$0	34,124	\$0	\$0
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	9,797	21,817	8,712	15,030	7,613	15,356	15,356
5405.1 Electricity	16,929	16,968	17,508	17,502	17,700	17,765	17,765
5405.2 Telephone	607	801	1,163	1,080	1,323	1,096	1,096
5405.4 Water	0	0	0	0	55	0	0
5410 Supplies/Material	1,267	362	3,449	2,500	2,317	2,530	2,530
5415 Outside Services	5,398	14,300	7,425	21,849	23,500	9,997	9,997
5420 Permits and Fee	100	100	100	100	100	102	102
5425 Consulting Services	0	0	0	0	0	0	0
Sub-total	\$34,098	\$54,348	\$38,357	\$58,061	\$52,608	\$46,846	\$46,846
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	992	25,650	7,056	14,765	3,775	15,179	15,179
5510 Supplies/Material	0	9,602	381	0	0	0	0
5515 Outside Services	516	1,155	1,155	1,260	990	1,279	1,279
Sub-total	\$1,508	\$36,407	\$8,592	\$16,025	\$4,765	\$16,458	\$16,458
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	0	0	0	0	0	0	0
5710.2 Technical Services	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	11,365	46,352	15,915	31,265	12,132	32,223	32,544
7226 Allocated Operations Services	5,698	21,639	6,642	12,650	5,464	12,996	12,997
Sub-total	\$17,063	\$67,991	\$22,557	\$43,915	\$17,596	\$45,219	\$45,541
<b>TOTAL EXPENSES</b>	<b>\$52,669</b>	<b>\$295,275</b>	<b>\$69,506</b>	<b>\$118,001</b>	<b>\$109,093</b>	<b>\$108,523</b>	<b>\$108,845</b>



# **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 FY16-17 or FY 17-18.

### **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**

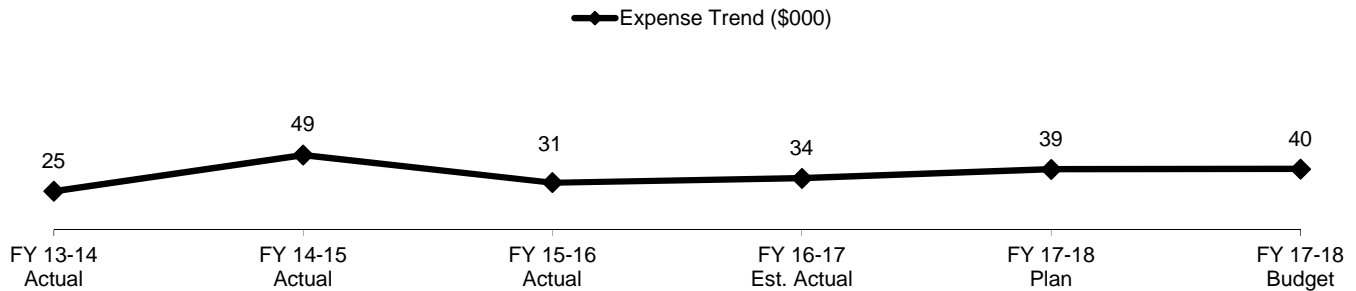
5700 SCADA Services – Labor and materials costs for services provided by Information Systems to maintain the SCADA system.

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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$7,938	\$16,490	\$9,290	\$9,334	\$11,188	\$9,623	\$9,623
5410 Supplies/Material	0	0	0	0	0	0	0
5420 Permits and Fee	88	88	88	88	88	89	89
Sub-total	\$8,026	\$16,578	\$9,378	\$9,422	\$11,276	\$9,712	\$9,712
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	1,785	2,966	0	3,024	0	3,127	3,127
5510 Supplies/Material	36	591	4,297	1,000	750	1,015	1,015
5515 Outside Services	0	0	0	0	0	0	0
Sub-total	\$1,821	\$3,557	\$4,297	\$4,024	\$750	\$4,142	\$4,142
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	0	413	3,431	2,802	3,431	2,901	2,901
5710.2 Technical Services	0	0	0	320	0	332	332
Sub-total	\$0	\$413	\$3,431	\$3,122	\$3,431	\$3,233	\$3,233
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	10,151	19,209	9,537	15,386	12,441	15,863	16,021
7226 Allocated Operations Services	5,089	8,968	3,979	6,224	5,607	6,396	6,397
Sub-total	\$15,240	\$28,177	\$13,516	\$21,610	\$18,048	\$22,259	\$22,418
<b>TOTAL EXPENSES</b>	<b>\$25,087</b>	<b>\$48,725</b>	<b>\$30,622</b>	<b>\$38,178</b>	<b>\$33,505</b>	<b>\$39,346</b>	<b>\$39,505</b>



5525 Consulting Services

# **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 FY16-17 or FY 17-18.

### **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.
- 5430 FY16-17 request is for valve repairs (\$15,000).

### **MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS**

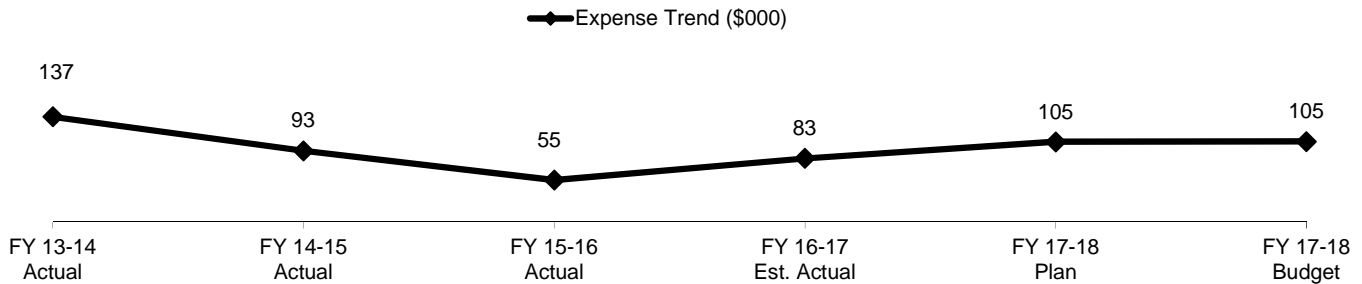
- 5500 Labor – Primarily labor hours worked by Construction Section personnel to provide maintenance and pipeline location in the recycled water distribution pipeline system.
- 5510 Supplies/Materials – Items required by staff to maintain the recycled water distribution system, such as valves, pipe, 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.

### **SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

- 5710.2 Technical Services – The costs for labor hours by Technical Services personnel.

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

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$5,414	\$1,580	\$937	\$3,365	\$484	\$3,443	\$3,443
5410 Supplies/Material	186	475	144	350	20	355	355
5415 Outside Services	0	0	0	0	0	0	0
5425 Consulting Services	0	0	0	0	0	0	0
5430 Capital Outlay	0	0	0	15,000	0	0	0
Sub-total	\$5,600	\$2,055	\$1,081	\$18,715	\$504	\$3,798	\$3,798
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	37,940	21,797	18,745	28,201	17,256	29,274	29,274
5510 Supplies/Material	4,751	3,156	3,600	4,000	3,491	4,060	4,060
5515 Outside Services	23,833	32,534	2,826	20,000	33,000	20,300	20,300
5520 Permits and Fee	937	768	814	500	500	500	500
Sub-total	\$67,461	\$58,255	\$25,985	\$52,701	\$54,247	\$54,134	\$54,134
<b>SPECIALTY EXPENSES</b>							
5710.2 Technical Services	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	42,891	22,269	19,509	32,322	19,565	33,316	33,648
7226 Allocated Operations Services	21,501	10,397	8,140	13,077	8,815	13,434	13,436
Sub-total	\$64,392	\$32,666	\$27,649	\$45,399	\$28,380	\$46,750	\$47,084
<b>TOTAL EXPENSES</b>	<b>\$137,453</b>	<b>\$92,976</b>	<b>\$54,715</b>	<b>\$116,815</b>	<b>\$83,131</b>	<b>\$104,682</b>	<b>\$105,016</b>



# **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**

No significant changes are anticipated for FY16-17 or FY 17-18.

### **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 (\$500) and state water board permit fees (\$1,250). FY14 expense of \$8,844 was for SWRCB WDR 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. FY12-13 funding (approximately \$200,000) included the completion of the sewer bridge project that was initiated in FY11-12 (painting and repair of 11 sewer bridges; total project amount was approximately \$245,000). Included in this account for FY15-16 are sewer flow monitoring costs (\$24K), JPA sewer line cleaning and video inspection services (\$6K).

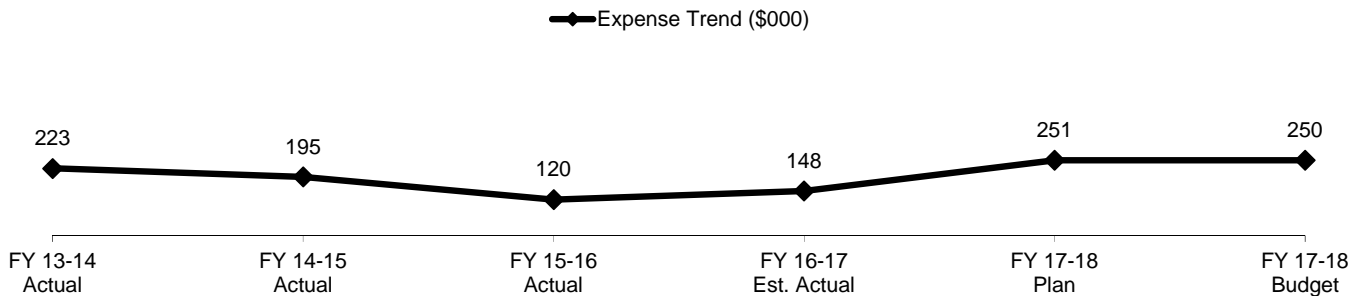
### **SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

5710.2 Technical Services – The costs for labor hours by Technical Services personnel.

5715.2 Other Laboratory Services – Labor and materials to manage the Industrial Pre-treatment Program.

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

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$0	\$0	\$0	\$0	\$298	\$0	\$0
5405.1 Electricity	310	313	312	348	254	353	353
5405.4 Water	0	0	0	200	0	203	203
5410 Supplies/Material	0	0	0	0	0	0	0
5420 Permits and Fee	9,316	472	472	1,750	472	1,776	472
5425 Consulting Services	0	0	0	0	0	0	0
Sub-total	\$9,626	\$785	\$784	\$2,298	\$1,024	\$2,332	\$1,028
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	74,876	57,136	38,702	83,959	31,316	87,304	87,304
5510 Supplies/Material	26	5,469	1,533	2,708	57	2,749	2,749
5515 Outside Services	27,703	49,330	24,233	33,755	65,000	34,261	34,261
5530 Capital Outlay	0	0	0	0	0	0	0
Sub-total	\$102,605	\$111,935	\$64,468	\$120,422	\$96,373	\$124,314	\$124,314
<b>SPECIALTY EXPENSES</b>							
5710.2 Technical Services	0	0	0	0	0	0	0
5715.2 Other Laboratory Services	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	73,702	55,955	38,288	85,725	34,905	88,362	89,243
7226 Allocated Operations Services	36,947	26,123	15,975	34,688	15,728	35,636	35,640
Sub-total	\$110,649	\$82,078	\$54,263	\$120,413	\$50,633	\$123,998	\$124,883
<b>TOTAL EXPENSES</b>	<b>\$222,880</b>	<b>\$194,798</b>	<b>\$119,515</b>	<b>\$243,133</b>	<b>\$148,030</b>	<b>\$250,644</b>	<b>\$250,225</b>



# 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 FY16-17 or FY 17-18.

### OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by treatment personnel to operate and maintain the plant.
- 5410 Line item formerly included instrumentation replacement which is now budgeted in the IIP.
- 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 – FY16-17 proposal includes air boots(\$5K), ammonia probe (7K), turbidity analyzer (\$10K).

### 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. FY 16-17 weed abatement increase estimated at \$100K.
- 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 FY16-17 items include switchgear preventative maintenance (\$40K), actuator replacements (\$35K) and calibration (\$14K).

### 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.

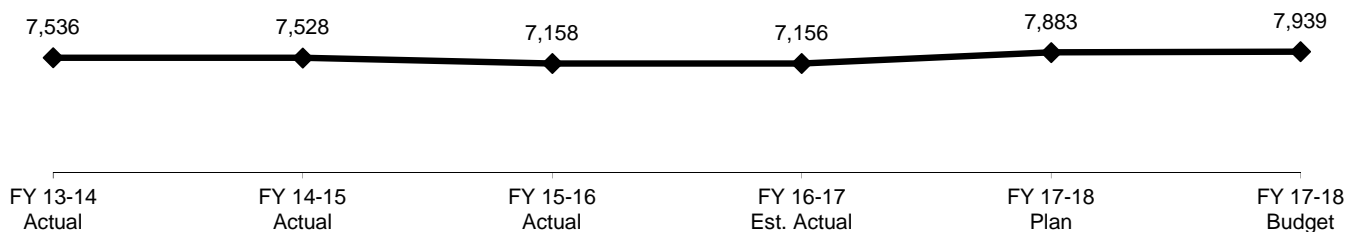
### SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$1,071,046	\$1,062,903	\$1,025,483	\$1,026,320	\$1,104,315	\$1,069,822	\$1,069,822
5405.1 Electricity	960,665	998,142	857,098	966,728	695,000	981,229	981,229
5405.2 Telephone	12,353	14,294	20,092	16,560	21,198	16,808	16,808
5405.3 Natural Gas	10,868	10,131	9,492	10,085	8,597	10,236	10,236
5405.4 Water	4,047	3,252	2,880	3,500	3,776	3,553	3,553
5410 Supplies/Material	39,840	17,275	40,885	32,000	23,384	32,480	32,480
5410.1 Fuel	4,596	7,161	2,147	6,000	0	6,500	6,500
5410.2 Chlorine	0	0	0	0	0	0	0
5410.3 Sulphur Dioxide	0	0	0	0	0	0	0
5410.5 Ferric Chloride	84,096	60,306	56,100	69,500	31,956	70,700	70,700
5410.6 Defoamer/Deodorant	5,992	5,990	0	6,800	6,500	0	0
5410.9 Alum	25,577	14,569	6,205	25,600	15,500	25,900	25,900
5410.10 Sodium Hypochlorite	272,557	243,406	150,971	160,000	159,000	160,000	160,000
5410.11 Sodium Bisulfite	187,291	150,059	110,119	130,000	70,000	130,000	130,000
5410.13 Aqua Ammonia	18,298	20,249	40,318	50,000	18,035	50,000	50,000
5415 Outside Services	20,067	18,788	31,025	20,600	26,059	20,900	30,000
5417 Odor Control	45,933	35,616	25,122	41,200	51,442	41,800	45,000
5420 Permits and Fee	88,089	106,393	97,656	106,000	105,000	107,500	107,500
5425 Consulting Services	7,626	11,582	948	0	0	0	0
5430 Capital Outlay	38,610	16,609	27,790	22,000	20,000	0	15,000
Sub-total	\$2,897,551	\$2,796,725	\$2,504,331	\$2,692,893	\$2,359,762	\$2,727,428	\$2,754,728
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	547,300	582,571	571,656	624,675	594,410	640,147	640,147
5510 Supplies/Material	179,603	259,856	349,781	240,000	134,296	243,600	243,600
5515 Outside Services	101,893	151,912	194,471	235,000	208,279	137,000	137,000
5518 Building Maintenance	53,394	53,940	36,880	51,000	34,375	51,765	60,000
5525 Consulting Services	0	0	0	0	0	0	0
5530 Capital Outlay	21,148	0	19,488	89,000	87,000	75,000	75,000
Sub-total	\$903,338	\$1,048,279	\$1,172,276	\$1,239,675	\$1,058,360	\$1,147,512	\$1,155,747
<b>EFFLUENT DISPOSAL</b>							
6788 District Sprayfield	267,574	254,095	258,114	311,384	249,912	311,920	311,920
6789 005 Discharge	350	5,523	3,652	370	360	380	380
Sub-total	\$267,924	\$259,618	\$261,766	\$311,754	\$250,272	\$312,300	\$312,300
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	71,457	58,344	42,939	78,934	55,640	92,963	92,963
5710.2 Technical Services	0	922	1,228	0	0	0	0
5715.2 Other Lab Services	136,252	136,041	154,359	136,000	65,174	138,040	138,040
5715.3 Tapia Lab Sampling	126,090	128,179	128,246	123,872	114,502	128,559	128,559
5525 Consulting Services	324,966	320,243	305,216	361,724	366,588	374,546	374,546
Sub-total	\$658,765	\$643,729	\$631,988	\$700,530	\$601,904	\$734,108	\$734,108
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	1,870,810	1,895,203	1,825,966	2,039,221	1,989,157	2,110,334	2,131,360
7226 Allocated Operations Services	937,835	884,799	761,913	825,127	896,189	851,063	851,171
Sub-total	\$2,808,645	\$2,780,002	\$2,587,879	\$2,864,348	\$2,885,346	\$2,961,397	\$2,982,531
<b>TOTAL EXPENSES</b>	<b>\$7,536,223</b>	<b>\$7,528,353</b>	<b>\$7,158,240</b>	<b>\$7,809,200</b>	<b>\$7,155,644</b>	<b>\$7,882,745</b>	<b>\$7,939,414</b>

◆ 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

No significant changes are anticipated for FY16-17 or FY 17-18.

### 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 – FY16-17 expenses include boiler water treatment services (\$2K).
- 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.
- 5430 Capital Outlay – Purchase of small tools, instruments and sump pumps.

### 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. FY17 estimate includes newly required weed abatement services (\$100K).
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5530 FY 16-17 request includes wiring replacement (\$18K); and switchgear preventative maintenance (\$36K). FY17-18 proposed expenditures include reactor room replacement (\$9.9K), Rancho office room floor (\$5.9K), dewatering building floor (\$6.6K), maintenance shop floor replacement (\$6.6K), and rain gutter replacement (\$132K).

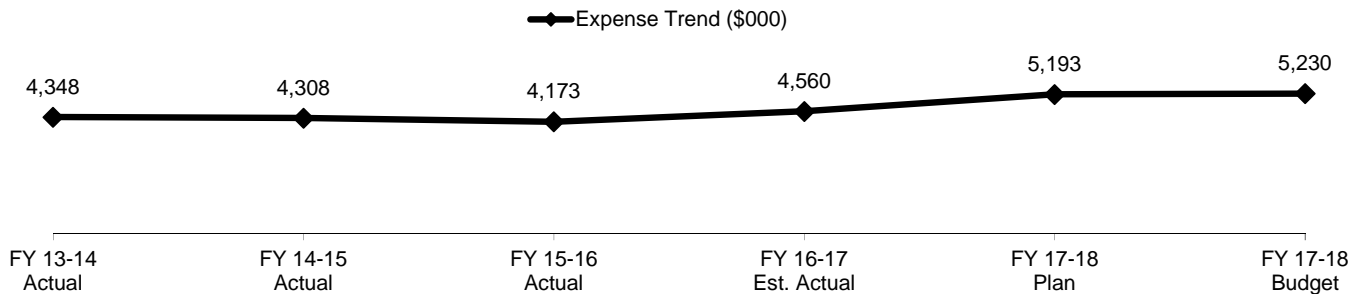
### SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$689,383	\$681,234	\$734,588	\$746,202	\$760,546	\$773,542	\$773,542
5405.1 Electricity	366,846	403,373	316,670	367,000	201,728	372,505	372,505
5405.2 Telephone	7,627	6,406	10,309	7,472	7,300	7,584	7,584
5405.3 Natural Gas	914	13,163	8,139	6,300	10,207	6,395	6,395
5405.4 Water	5,746	7,076	3,229	5,100	2,541	5,177	5,177
5410 Supplies/Material	41,787	24,501	26,985	25,500	21,546	25,800	25,800
5410.1 Fuel	6,447	5,012	1,761	4,826	2,000	4,898	4,898
5410.7 Polymer	167,894	114,821	81,706	117,485	115,000	119,247	119,247
5410.8 Amendment	242,394	181,136	200,344	193,000	185,500	195,000	195,000
5415 Outside Services	4,636	5,115	1,766	5,000	39,000	5,100	5,100
5417 Odor Control	53,063	94,864	47,055	100,000	97,701	100,000	100,000
5420 Permits and Fee	9,073	12,041	13,528	10,294	24,000	10,448	10,448
5425 Consulting Services	0	0	0	0	0	0	0
5430 Capital Outlay	0	0	0	0	0	0	2,000
Sub-total	\$1,595,810	\$1,548,742	\$1,446,080	\$1,588,179	\$1,467,069	\$1,625,696	\$1,627,696
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	503,417	498,274	461,803	596,057	498,024	610,791	610,791
5510 Supplies/Material	205,926	234,931	222,924	211,000	171,075	214,165	214,165
5515 Outside Services	52,338	104,651	122,568	200,300	137,000	101,804	101,804
5518 Building Maintenance	62,396	54,662	59,686	56,000	44,598	56,840	56,840
5525 Consulting Services	0	4,002	0	0	0	0	0
5530 Capital Outlay	26,641	23,670	12,134	54,000	51,500	161,040	179,040
Sub-total	\$850,718	\$920,190	\$879,115	\$1,117,357	\$902,197	\$1,144,640	\$1,162,640
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	17,438	9,644	12,249	53,914	12,484	46,704	46,704
5710.2 Technical Services	0	168	0	0	0	0	0
5712 Compost Sales/Use Tax	7,852	4,549	3,721	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	6,594	8,119	10,024	8,992	3,785	9,127	9,127
5715.3 Tapia Lab Sampling	146	706	846	213	349	221	221
7202 Allocated Lab Expense	10,655	10,500	10,007	11,860	12,019	12,280	12,280
Sub-total	\$42,685	\$33,686	\$36,847	\$78,979	\$32,637	\$72,332	\$72,332
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	1,237,937	1,230,826	1,277,948	1,624,991	1,488,051	1,674,972	1,691,661
7226 Allocated Operations Services	620,570	574,623	533,243	657,520	670,428	675,492	675,578
Sub-total	\$1,858,507	\$1,805,449	\$1,811,191	\$2,282,511	\$2,158,479	\$2,350,464	\$2,367,239
<b>TOTAL EXPENSES</b>	<b>\$4,347,720</b>	<b>\$4,308,067</b>	<b>\$4,173,233</b>	<b>\$5,067,026</b>	<b>\$4,560,382</b>	<b>\$5,193,132</b>	<b>\$5,229,907</b>



# **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 FY16-17 or FY 17-18.

### **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.

5417 Odor Control – No funds required in FY16-17

5420 Permits and Fees – RWQCB permit fees for biosolids injection and SCAQMD permits for the generator, carbon scrubber, and biofilter. FY16-17 budget proposal includes SWRQCB fees of approximately \$69K.

### **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.

5530 Capital requests for FY17-18 Centrate pump station 24" plug valve (\$39.6K).

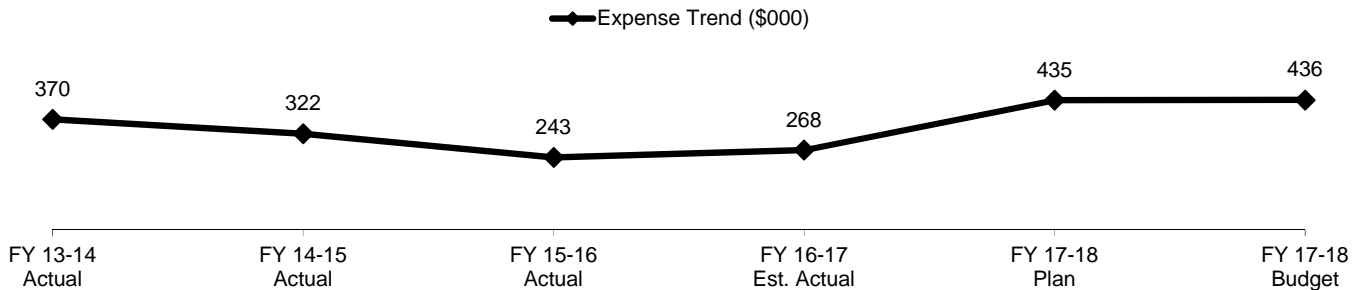
### **SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

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/Centrate Treatment - 751830**

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$25,275	\$8,986	\$6,452	\$24,005	\$1,012	\$25,005	\$25,005
5405.1 Electricity	75,411	79,032	70,884	79,650	51,006	80,845	80,845
5405.2 Telephone	0	0	0	0	0	0	0
5405.4 Water	727	813	913	780	1,126	792	792
5410 Supplies/Material	0	0	665	0	0	0	0
5410.1 Fuel	4,936	2,805	2,096	3,778	895	3,835	3,835
5415 Outside Services	0	0	0	0	0	0	0
5417 Odor Control	263	0	0	0	0	0	0
5420 Permits and Fee	66,168	69,264	69,264	72,250	69,327	73,334	73,334
5425 Consulting Services	2,516	0	0	0	0	0	0
Sub-total	\$175,296	\$160,900	\$150,274	\$180,463	\$123,366	\$183,811	\$183,811
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	33,241	25,284	5,935	34,412	22,881	35,236	35,236
5510 Supplies/Material	18,784	10,955	6,344	10,500	6,939	10,658	10,658
5515 Outside Services	6,047	22,357	16,201	17,500	25,000	17,763	17,763
5530 Capital Outlay	0	0	0	0	0	39,600	39,600
Sub-total	\$58,072	\$58,596	\$28,480	\$62,412	\$54,820	\$103,257	\$103,257
<b>SPECIALTY EXPENSES</b>							
5715.2 Other Lab Services	5,384	3,329	3,802	6,300	3,500	6,395	6,395
5715.3 Tapia Lab Sampling	9,100	11,684	8,818	8,802	10,648	9,135	9,135
7202 Allocated Lab Expense	21,309	21,000	20,014	23,720	24,038	24,560	24,560
Sub-total	\$35,793	\$36,013	\$32,634	\$38,822	\$38,186	\$40,090	\$40,090
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	67,486	45,450	22,151	74,655	35,294	76,953	77,719
7226 Allocated Operations Services	33,830	21,217	9,241	30,205	15,901	31,033	31,037
Sub-total	\$101,316	\$66,667	\$31,392	\$104,860	\$51,195	\$107,986	\$108,756
<b>TOTAL EXPENSES</b>	<b>\$370,477</b>	<b>\$322,176</b>	<b>\$242,780</b>	<b>\$386,557</b>	<b>\$267,567</b>	<b>\$435,144</b>	<b>\$435,914</b>



# JOINT POWERS AUTHORITY

## Administration – 751840

### FUNCTION

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

### SIGNIFICANT CHANGES

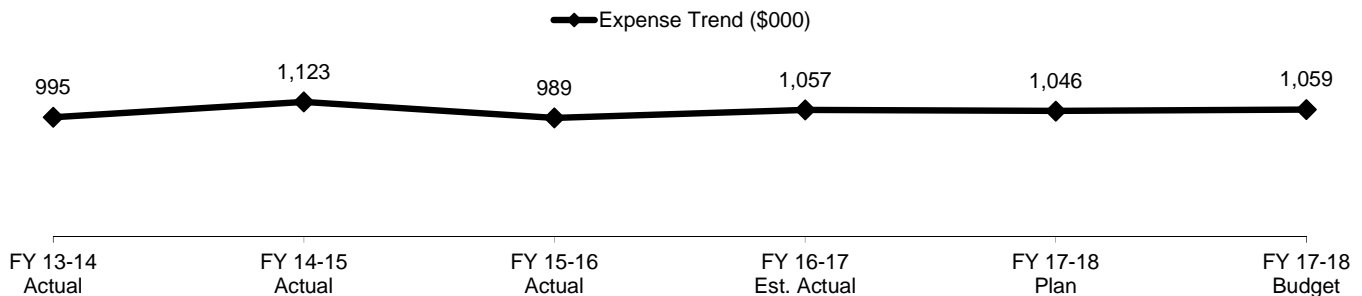
No significant changes are anticipated for FY16-17 or FY 17-18.

### 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 (\$5,000). Also includes programs designed to accommodate home-school students.
- 6604 Public Education Program – Quarterly tours of Rancho/Tapia (\$4,000); Malibu Creek Watershed and regulatory issue outreach (\$3,500); JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc. (\$10,000)-
- 6606 Community Group Outreach – JPA related publications and community group outreach related to watershed stewardship and NPDES permit (\$6,000), and speaker’s bureau expenses (\$1,000).
- 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. FY 12-13 and FY 13-14 costs are to cover legal services related to the Malibu Creek TMDL issue.
- 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. Regulatory and permitting assistance from outside sources for the National Pollution Discharge Elimination System (NPDES) renewal for Tapia (\$50K).
- 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 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$8,036	\$2,049	\$0	\$7,168	\$0	\$7,111	\$7,111
5430 Capital Outlay	0	0	0	0	0	0	0
Sub-total	\$8,036	\$2,049	\$0	\$7,168	\$0	\$7,111	\$7,111
<b>MAINTENANCE DIVISION EXPENSE</b>							
5525 Consulting Services	0	0	0	0	0	0	0
5530 Capital Outlay	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>INVENTORY EXPENSES</b>							
5536 Inventory Adjustment	50	12,800	3,102	4,400	4,000	4,840	4,840
Sub-total	\$50	\$12,800	\$3,102	\$4,400	\$4,000	\$4,840	\$4,840
<b>PUBLIC INFORMATION</b>							
6602 School Education Program	5,156	10,509	9,290	9,915	13,017	11,975	11,975
6604 Public Education Program	66,785	39,331	57,663	67,634	66,155	71,835	71,835
6606 Community Group Outreach	373	1,184	220	5,015	455	6,525	6,525
6608 Intergovernmental Coordination	1,872	1,842	6,008	10,342	6,448	10,618	10,618
Sub-total	\$74,186	\$52,866	\$73,181	\$92,906	\$86,075	\$100,953	\$100,953
<b>RESOURCE CONSERVATION</b>							
6785 Watershed Programs	23,796	27,504	4,370	88,389	1,000	89,474	89,474
Sub-total	\$23,796	\$27,504	\$4,370	\$88,389	\$1,000	\$89,474	\$89,474
<b>SPECIALTY EXPENSES</b>							
5715.3 Tapia Lab Sampling	0	0	0	0	0	0	0
5725 Gen Supplies/Small Tools	0	0	0	0	0	0	0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>ADMINISTRATIVE EXPENSES</b>							
6872 Litigation/Outside Services	88,533	219,268	106,211	50,000	150,000	50,000	50,000
6874 Litigation/District Costs	0	0	0	0	5,000	0	0
6516 Other Professional Services	92,259	20,186	149,719	6,540	100,000	50,000	50,000
6517 Audit Fees	5,300	2,500	3,296	2,650	2,575	2,730	2,730
7110 Travel/Misc Staff Expense	13	54	138	0	26	0	0
7135.1 Property Insurance	55,127	55,181	55,132	56,801	55,132	59,073	59,073
7135.4 Earthquake Insurance	92,800	89,726	88,786	91,475	88,786	95,134	95,134
7145 Claims Paid	0	147,000	18,000	0	72,000	0	0
7153 TSD Staff Services	500	4,036	1,804	5,000	5,000	5,000	5,000
5525 Consulting Services	389,038	344,732	336,150	336,456	336,150	377,798	377,798
7203 Allocated Building Maint	80,473	88,082	95,945	95,565	82,757	85,410	97,010
7225 Allocated Support Services	56,762	38,976	37,553	82,309	47,113	84,585	85,428
7226 Allocated Operations Services	28,456	18,196	15,671	33,307	21,228	34,115	34,119
Sub-total	\$889,261	\$1,027,937	\$908,405	\$760,103	\$965,767	\$843,845	\$856,292
<b>TOTAL EXPENSES</b>	<b>\$995,329</b>	<b>\$1,123,156</b>	<b>\$989,058</b>	<b>\$952,966</b>	<b>\$1,056,842</b>	<b>\$1,046,223</b>	<b>\$1,058,670</b>





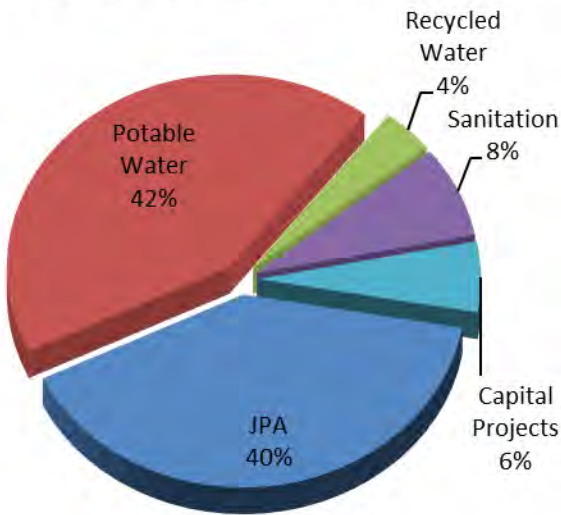
# INTERNAL SERVICES

The Internal Service fund is used to account for all costs related to the General Administration of the District. In addition, all personnel related costs, including salaries, benefits, training, etcetera, are administered through the Internal Service fund. Personnel working in the various enterprises account for their workload distribution through the timekeeping system. Labor costs are charged to each enterprise as determined and credits are posted to the Internal Service fund. All net accumulated costs are allocated to the various enterprise and capital project funds as described below.

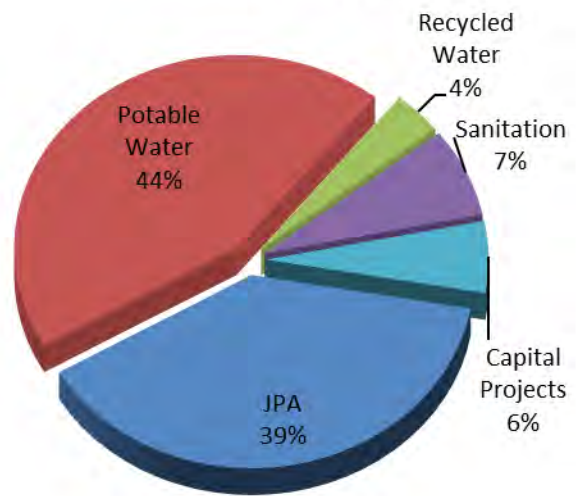
The Joint Powers Authority (JPA) agreement between Las Virgenes Municipal Water District (LV) and Triunfo Sanitation District (TSD) calls for allocation of General and Administrative costs based on the actual cost of labor. General and administrative costs are defined as accounting, personnel and general management expenses. As such, Internal Service costs which are not related to the function of the JPA are excluded from the allocation process. These excluded costs include all costs for the LV Board of Directors, some of the General Manager's office costs, administration and operation of Customer Service activities, including a portion of Information Services costs, water meter maintenance, water conservation activities and new customer planning and coordination.

All remaining costs are allocated between LV enterprises (potable water, recycled water, and non-JPA sanitation), Capital Improvement Projects, and the JPA operations. The allocation is based on the labor charged through the timekeeping system to each of these operations or projects. The allocation of costs is performed monthly with a final reconciliation at year-end. Each agency's share of the allocated costs for JPA operations is billed monthly as provided in the JPA agreement.

**FY 2016-17 Estimated Actual**



**FY 2017-18 Budget**



The allocated costs are shown in the budget reports as Allocated Support Services and Allocated Operations Services. Allocated Support Services are costs which originate from cost centers that provide general central service. These cost centers include general management, departmental administration, accounting, payroll, human resources, information systems, and public information administration. Allocated Operations Services are costs which originate in operations related cost centers. These cost centers include water administration, water treatment, facilities maintenance, electrical maintenance, construction services, laboratory services, wastewater treatment, composting, and technical services.

# DISTRICT STAFFING PLAN

**FY 2016-17 - FY 2017-18**

Business Unit	DIVISION Dept/Section	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Auth Positions	Filled as 4/15/2017	2017-18 Proposed Positions
	<b>BOARD &amp; GENERAL MANAGER</b>							
701121	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>TOTAL GENERAL MANAGER</b>		2.0	2.0	2.0	2.0	2.0	2.0	2.0

Business Unit	DIVISION Dept/Section	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Proposed Positions	Filled as 4/15/2017	2017-18 Proposed Positions
	<b>RESOURCE CONSERVATION &amp; PUBLIC OUTREACH</b>							
701210	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701220	Customer Service-Administration	1.0	1.0	1.0	1.0	1.0	1.0	1.0
701221	Customer Service Operations	15.0	15.0	15.0	15.0	15.0	15.0	15.0
701226	Customer Service Programs	3.0	3.0	3.0	3.0	3.0	3.0	3.0
701223	Resource/Watershed Conservation	3.0	3.0	3.0	4.0	3.0	3.0	3.0
701230	Public Information	3.0	3.0	3.0	3.0	3.0	3.0	3.0
<b>TOTAL RESOURCE CONSERVATION &amp; PUBLIC OUTREACH</b>		27.0	27.0	27.0	28.0	27.0	27.0	27.0

Business Unit	DIVISION Dept/Section	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Proposed Positions	Filled as 4/15/2017	2017-18 Proposed Positions
	<b>FACILITIES &amp; OPERATIONS</b>							
701310	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701320	Facilities Maintenance-Admin	1.2	1.2	1.2	0.7	0.7	0.7	0.7
701326	Electrical/Instrumentation-Maint	6.0	6.0	6.0	7.0	7.0	7.0	7.0
701321	Facilities Maintenance-Maint	8.0	8.0	8.0	8.0	8.0	7.0	8.0
701325	Facilities Maintenance-Fleet	1.0	1.0	1.0	1.0	1.0	1.0	1.0
701330	Water Division-Admin	0.8	0.8	0.8	0.3	0.3	0.3	0.3
701331	Water Treatment & Production	11.0	11.0	11.0	11.0	11.0	9.0	11.0
701322	Construction	7.0	7.0	7.0	6.0	6.0	5.0	6.0
701340	Reclamation Division-Admin	3.0	3.0	3.0	3.0	3.0	3.0	3.0
701341	Reclamation Division-Lab	6.0	6.0	6.0	6.0	6.0	5.0	6.0
701342	Reclamation Division-Treatment	9.0	9.0	9.0	8.0	8.0	8.0	8.0
701343	Reclamation Division-Composting	6.0	6.0	6.0	7.0	7.0	7.0	7.0
701350	Technical Services Division	8.0	8.0	8.0	9.0	9.0	9.0	9.0
<b>TOTAL FACILITIES &amp; OPERATIONS</b>		69.0	69.0	69.0	69.0	69.0	64.0	69.0

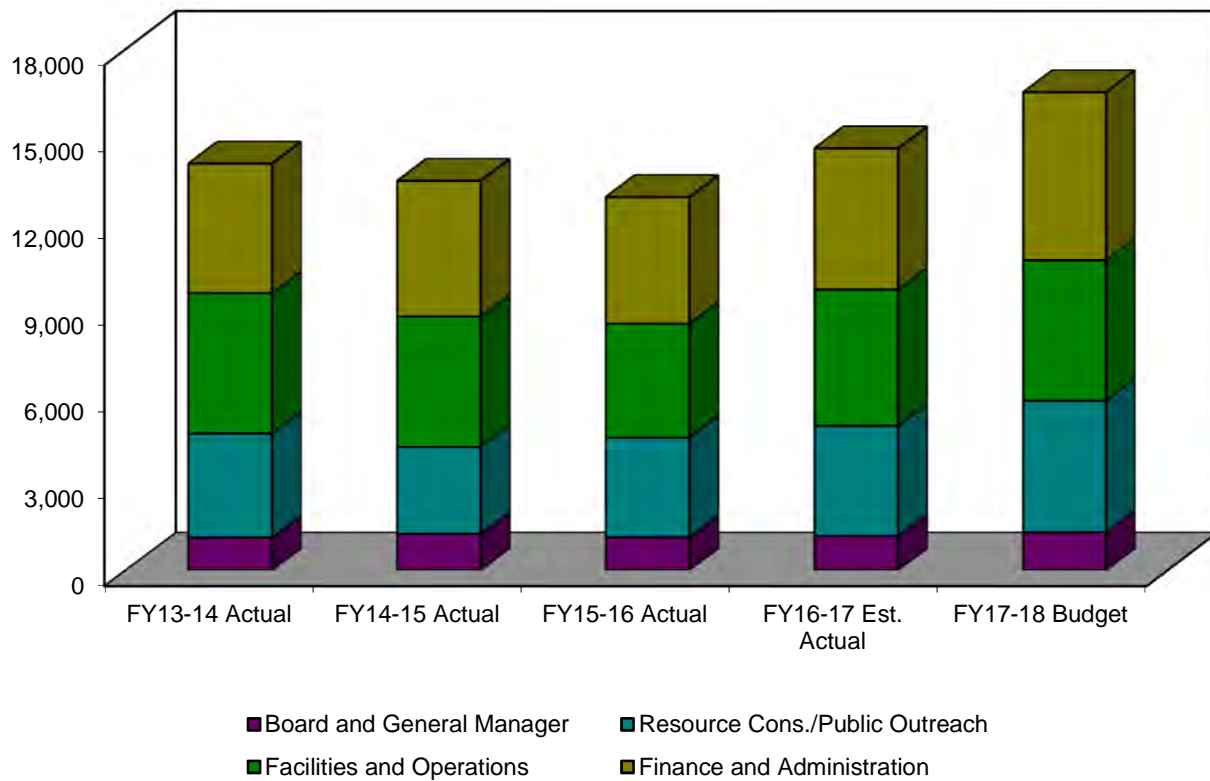
Business Unit	DIVISION Dept/Section	2012-13 Auth Positions	2013-14 Auth Positions	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Proposed Positions	Filled as 4/15/2017	2017-18 Proposed Positions
	<b>FINANCE &amp; ADMINISTRATION</b>							
701410	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701420	Information Systems	6.0	6.0	6.0	6.0	6.0	5.0	6.0
701430	Human Resources/Risk Mgmt	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701440	Accounting	9.0	9.0	9.0	9.0	9.0	9.0	9.0
<b>TOTAL FINANCE &amp; ADMINISTRATION</b>		19.0	19.0	19.0	19.0	19.0	18.0	19.0

<b>TOTAL AGENCY STAFF POSITIONS</b>		117.0	117.0	117.0	118.0	117.0	111.0	117.0
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**Las Virgenes Municipal Water District**  
**Internal Service Summary**  
(Dollars in Thousands)

	FY13-14 Actual	FY14-15 Actual	FY15-16 Actual	FY16-17 Est. Actual	FY17-18 Budget
<b>Board and General Manager</b>	1,144	1,276	1,161	1,200	1,321
<b>Resource Cons./Public Outreach</b>	3,626	3,031	3,469	3,835	4,577
<b>Facilities and Operations</b>	4,829	4,492	3,920	4,691	4,837
<b>Finance and Administration</b>	4,458	4,664	4,355	4,856	5,777
	<b>14,057</b>	<b>13,463</b>	<b>12,905</b>	<b>14,582</b>	<b>16,512</b>



**Las Virgenes Municipal Water District  
Internal Service Summary**

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>BOARD EXPENSES</b>							
6000 Directors' Fees	\$83,893	\$82,600	\$77,600	\$90,000	\$82,800	\$90,000	\$90,000
6005 Directors' Benefits	79,809	79,741	77,699	77,075	80,579	77,075	77,075
6010 Directors' Conference Expenses	26,724	33,169	24,588	30,000	33,000	30,000	30,000
6015 Directors' Miscellaneous	563	1,355	775	2,000	300	2,000	2,000
6020 Election Expense	0	54,821	0	43,000	0	0	0
Sub-total	\$190,989	\$251,686	\$180,662	\$242,075	\$196,679	\$199,075	\$199,075
<b>PAYROLL EXPENSES</b>							
6100 Staff Salaries	9,736,971	9,859,752	10,175,631	11,092,348	10,657,250	11,452,671	11,452,671
6102 Staff Overtime	390,665	360,053	415,244	246,755	386,384	255,118	255,118
6105 Staff Benefits	4,915,514	4,166,054	2,787,307	4,788,227	4,477,132	4,964,849	4,964,849
6110 Staff Taxes	951,996	935,629	1,012,997	1,046,150	1,096,123	1,074,662	1,074,662
Sub-total	\$15,995,146	\$15,321,488	\$14,391,179	\$17,173,480	\$16,616,889	\$17,747,300	\$17,747,300
6115 Staff Costs Recovered	(7,266,733)	(7,267,690)	(7,224,829)	(8,085,712)	(7,605,211)	(8,348,065)	(8,348,065)
Net Payroll Expenses	\$8,728,413	\$8,053,798	\$7,166,350	\$9,087,768	\$9,011,678	\$9,399,235	\$9,399,235
<b>OFFICE EQUIPMENT &amp; POSTAGE</b>							
6200 Forms, Supplies & Postage	119,761	109,103	119,243	153,750	121,339	164,752	164,752
6205 Equipment Rental	8,415	7,605	6,039	7,600	7,600	7,600	7,600
6210 Equipment Repairs	608	876	1,892	3,000	2,500	3,000	3,000
6215 Equipment Maintenance	318,685	323,835	342,201	310,944	312,280	330,500	330,500
6220 Outside Services	133,821	161,088	351,169	342,600	220,980	342,600	345,100
6225 Radio Maintenance Expense	12,244	7,815	28,928	11,380	16,500	11,551	11,551
6230 Safety Equipment	20,486	34,561	18,121	20,285	19,346	20,359	20,359
6235 Records Management	54,384	37,901	51,070	50,000	45,504	50,000	50,000
6250 Equipment Interest Expense	4,423	2,962	3,847	4,500	4,500	3,500	3,500
Sub-total	\$672,827	\$685,746	\$922,510	\$904,059	\$750,549	\$933,862	\$936,362
<b>PROFESSIONAL SERVICES</b>							
6500 Legal Services	108,120	94,087	100,464	99,000	94,000	99,000	99,000
6505 Legal Advertising	16,355	18,062	18,581	15,000	3,800	15,000	15,000
6516 Other Professional Services	45,588	167,471	117,442	554,860	114,499	562,115	562,115
6517 Audit Fees	21,000	37,500	31,664	37,000	37,000	38,100	38,100
6522 Management Consultant Fees	5,815	134,281	53,851	25,000	60,000	52,500	127,500
Sub-total	\$196,878	\$451,401	\$322,002	\$730,860	\$309,299	\$766,715	\$841,715
<b>RES CONSER/PUBLIC OUTREACH</b>							
6602 School Education Program	4,816	5,416	40,276	15,540	23,707	15,765	15,765
6604 Public Education Program	142,080	148,927	226,905	200,084	219,268	200,817	200,817
6606 Community Group Outreach	3,226	7,711	6,082	13,406	4,568	14,606	14,606
6608 Intergovernmental Coordination	10,447	17,897	16,252	16,499	16,765	17,909	17,909
Sub-total	\$160,569	\$179,951	\$289,515	\$245,529	\$264,308	\$249,097	\$249,097
<b>HUMAN RESOURCES</b>							
6800 Safety	17,592	11,768	11,513	38,000	16,000	38,000	38,000
6810 Recruitment Expenses	17,553	12,766	15,820	10,000	10,000	10,000	10,000
6812 Retired Employee Benefits	862,983	868,442	827,847	985,283	952,638	1,073,468	1,073,468
6815 Employee Recognition Function	7,330	16,021	8,652	15,000	13,500	15,000	15,000
6820 Employee Assistance Program	0	0	0	1,000	0	1,000	1,000
6825 Employee Wellness Program	977	5,470	7,470	10,000	10,000	10,000	10,000
6830 Training & Prof. Development	88,091	105,773	78,959	166,584	117,157	156,541	161,541
6840 DOT Testing	825	1,000	999	1,000	1,000	1,000	1,000
6850 Unemployment Ins. Benefit	0	1,155	1,575	5,000	0	5,000	5,000
6855 Donated Sick Leave	(1,352)	1,050	0	0	0	0	0
6872 Litigation - Outside Services	131,237	32,073	38,109	50,000	11,650	50,000	50,000
Sub-total	\$1,125,236	\$1,055,518	\$990,944	\$1,281,867	\$1,131,945	\$1,360,009	\$1,365,009

**Las Virgenes Municipal Water District  
Internal Service Summary**

	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Est. Actual	FY 17-18 Plan	FY 17-18 Budget
<b>OTHER G&amp;A EXPENSES</b>							
7100 Provision for Uncollectible Accts	47,011	41,161	15,506	50,000	50,000	50,000	50,000
7105 Dues/Subscriptions/Memberships	119,112	118,073	119,490	111,380	102,140	111,325	111,325
7110 Travel/Misc. Expenses	3,017	1,707	3,882	7,370	2,302	7,387	7,387
7135.1 Property Insurance	32,435	32,707	32,678	33,668	33,759	35,014	35,014
7135.2 Liability Insurance	181,792	163,484	167,021	163,919	182,628	170,476	170,476
7135.3 Automobile Insurance	38,176	54,572	64,884	69,951	67,336	72,750	72,750
7135.4 Earthquake Insurance	55,005	53,183	52,626	54,220	54,215	56,389	56,389
7135.5 Excess Liability Insurance	206,111	201,897	198,720	203,770	194,333	211,921	211,921
7145 Claims Paid	3,500	718	0	0	0	0	0
7152 LAFCO Charges	13,405	18,501	24,631	21,000	21,410	21,000	21,000
Sub-total	\$699,565	\$686,005	\$679,441	\$715,278	\$708,123	\$736,262	\$736,262
<b>OPERATING EXPENSE</b>							
5400 Labor	331,609	282,308	406,544	358,275	429,601	371,647	371,647
5405.1 Utilities - Energy	133,464	141,743	117,059	131,600	115,300	133,575	133,575
5405.2 Utilities - Telephone	176,756	233,023	247,839	241,520	247,825	243,676	244,472
5405.3 Utilities - Gas	24,975	22,047	17,792	21,915	13,102	22,244	22,244
5405.4 Utilities - Water	15,953	14,963	15,535	15,096	16,455	15,323	15,323
5415 Outside Services	0	78,834	171,825	200,000	185,306	200,000	200,000
5430 Capital Outlay	44,186	95,079	89,470	101,000	101,000	75,500	75,500
Sub-total	\$726,943	\$867,997	\$1,066,064	\$1,069,406	\$1,108,589	\$1,061,965	\$1,062,761
<b>MAINTENANCE EXPENSE</b>							
5500 Labor	372,074	370,366	328,208	440,177	359,847	454,830	454,830
5510 Supplies/Materials	419,592	201,946	316,641	472,677	201,473	474,490	474,490
5510.1 Fuel	161,331	112,807	72,662	116,900	64,197	118,654	118,654
5515 Outside Services	395,709	315,657	331,713	368,949	257,088	373,733	373,733
5520 Permits/Fee	6,086	9,698	11,891	14,229	14,490	14,440	14,440
5530 Capital Outlay	3,747	7,871	9,135	23,200	0	0	23,200
6255 Rental Charge - Vehicles	141,976	153,536	158,463	178,822	171,491	206,113	206,113
Sub-total	\$1,500,515	\$1,171,881	\$1,228,713	\$1,614,954	\$1,068,586	\$1,642,260	\$1,665,460
<b>INVENTORY EXPENSE</b>							
5536 Inventory Adjustment	12,196	24,861	7,148	11,550	10,500	12,705	12,705
Sub-total	\$12,196	\$24,861	\$7,148	\$11,550	\$10,500	\$12,705	\$12,705
<b>GEN'L SPECIALTY EXPENSE</b>							
5725 Supplies and Small Tools	42,037	31,676	52,777	49,048	21,164	44,462	44,462
Sub-total	\$42,037	\$31,676	\$52,777	\$49,048	\$21,164	\$44,462	\$44,462
<b>TOTAL EXPENSES</b>	<b>\$14,056,167</b>	<b>\$13,460,518</b>	<b>\$12,906,123</b>	<b>\$15,952,394</b>	<b>\$14,581,420</b>	<b>\$16,405,647</b>	<b>\$16,512,143</b>
<b>ALLOCATED EXPENSES</b>							
ALLOCATED TECHNICAL SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED CUSTOMER INFO SYSTEMS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED LABORATORY EXPENSES	(\$532,731)	(\$524,989)	(\$500,353)	(\$592,991)	(\$600,962)	(\$614,009)	(\$614,009)
ALLOCATED VEHICLE EXPENSES	\$1	\$4	(\$2)	\$0	\$0	\$0	\$0
ALLOCATED LEGAL EXPENSES	(\$131,228)	(\$32,073)	(\$38,109)	(\$50,000)	(\$11,650)	(\$50,000)	(\$50,000)
ALLOCATED OPS BLDG EXPENSES	(\$160,947)	(\$176,164)	(\$191,890)	(\$191,131)	(\$165,515)	(\$170,821)	(\$194,021)
ALLOCATED INTERNAL G&A	\$91	(\$30)	\$2	\$1	\$1	\$1	\$1
ALLOCATED SUPPORT SERVICES(G&A)	(\$5,608,593)	(\$5,763,615)	(\$5,085,225)	(\$6,652,729)	(\$6,031,221)	(\$6,813,547)	(\$6,871,580)
ALLOCATED OPERATIONS SERVICES(G&A)	(\$7,622,760)	(\$6,963,651)	(\$7,090,546)	(\$8,465,544)	(\$7,772,073)	(\$8,757,271)	(\$8,782,534)
<b>TOTAL ALLOCATED EXPENSES</b>	<b>(\$14,056,167)</b>	<b>(\$13,460,518)</b>	<b>(\$12,906,123)</b>	<b>(\$15,952,394)</b>	<b>(\$14,581,420)</b>	<b>(\$16,405,647)</b>	<b>(\$16,512,143)</b>

**Las Virgenes Municipal Water District**  
**Summary of Allocated Internal Service Costs**  
**FY 2016-17 Estimated Actual**

				Cost Recipient				
	Total Costs	Direct Allocations	Allocated G&A Costs	JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
Central Service Provider								
General Manager	722,417	4,676	727,093	394,273	178,950	9,347	144,523	727,093
General Manager-100% LVMWD	237,926	(11,650)	226,276	-	230,301	-	(4,025)	226,276
Board of Directors	239,666	-	239,666	-	246,488	-	(6,822)	239,666
<b>Board of Directors &amp; GM</b>	<b>1,200,009</b>	<b>(6,974)</b>	<b>1,193,035</b>	<b>394,273</b>	<b>655,739</b>	<b>9,347</b>	<b>133,676</b>	<b>1,193,035</b>
RCPO Administration	398,246	-	398,246	215,950	31,565	-	150,731	398,246
Customer Service Admin	211,908	-	211,908	-	-	-	211,908	211,908
Customer Service Operations	1,240,031	473,566	1,713,597	-	2,045,184	12,729	(344,316)	1,713,597
Meter Service	889,014	-	889,014	-	1,033,362	-	(144,348)	889,014
Customer Service Programs	256,331	9,255	265,586	-	376,955	-	(111,369)	265,586
Resource/Watershed Conservation	417,061	4,676	421,737	-	480,277	53,364	(111,904)	421,737
Public Information	423,333	-	423,333	229,554	63,613	14,073	116,093	423,333
<b>RCPO</b>	<b>3,835,924</b>	<b>487,497</b>	<b>4,323,421</b>	<b>445,504</b>	<b>4,030,956</b>	<b>80,166</b>	<b>(233,205)</b>	<b>4,323,421</b>
Facilities & Operations Admin	502,181	4,676	506,857	274,844	285,229	63,159	(116,375)	506,857
Facilities Maint/Const Admin	165,660	3,264	168,924	91,599	96,591	21,389	(40,655)	168,924
Electrical	212,284	27,814	240,098	130,196	148,316	4,418	(42,832)	240,098
Maintenance	161,922	92,795	254,717	138,121	106,115	256	10,225	254,717
Building 8 Maintenance	377,880	-	377,880	204,908	-	-	172,972	377,880
Building 7 Maintenance	165,515	(165,515)	-	1	66,369	-	(66,370)	-
Construction	181,297	120,610	301,907	163,711	177,453	-	(39,257)	301,907
Fleet Maintenance	487,113	(487,113)	-	-	-	-	-	-
Water Administration	70,404	1,364	71,768	38,917	52,715	-	(19,864)	71,768
Water Treatment & Production	256,850	78,864	335,714	182,041	228,229	351	(74,907)	335,714
Reclamation Administration	454,182	9,255	463,437	251,302	-	-	212,135	463,437
Laboratory	591,707	(591,707)	-	-	404,510	-	(404,510)	-
Wastewater Treatment Facility	144,287	18,510	162,797	88,277	125,373	-	(50,853)	162,797
Composting Facility	129,538	23,187	152,725	82,815	155,490	-	(85,580)	152,725
Planning & Technical Services	790,353	(84,863)	705,490	382,557	82,229	555,532	(314,828)	705,490
<b>Facilities &amp; Operations</b>	<b>4,691,173</b>	<b>(948,859)</b>	<b>3,742,314</b>	<b>2,029,289</b>	<b>1,928,619</b>	<b>645,105</b>	<b>(860,699)</b>	<b>3,742,314</b>
Finance & Administration Admin	1,108,202	-	1,108,202	600,929	234,071	-	273,202	1,108,202
Information Systems	1,356,042	(309,791)	1,046,251	587,601	154,072	34,085	270,493	1,046,251
Human Resources	1,269,052	-	1,269,052	688,151	152,739	33,790	394,372	1,269,052
Finance & Accounting	1,121,018	-	1,121,018	607,878	430,591	60,389	22,160	1,121,018
<b>Finance &amp; Administration</b>	<b>4,854,314</b>	<b>(309,791)</b>	<b>4,544,523</b>	<b>2,484,559</b>	<b>971,473</b>	<b>128,264</b>	<b>960,227</b>	<b>4,544,523</b>
<b>Total Allocated G&amp;A Costs</b>	<b>14,581,420</b>	<b>(778,127)</b>	<b>13,803,293</b>	<b>5,353,625</b>	<b>7,586,787</b>	<b>862,882</b>	<b>(1)</b>	<b>13,803,293</b>
Direct Allocations								
Allocated Laboratory Expenses				402,645	198,317	-	-	600,962
Allocated Ops Bldg Expenses				82,757	82,758	-	-	165,515
Allocated Legal Expenses				-	11,650	-	-	11,650
<b>Total Direct Allocations</b>				<b>485,402</b>	<b>292,725</b>	<b>-</b>	<b>-</b>	<b>778,127</b>
<b>Total all Allocated Costs</b>				<b>5,839,027</b>	<b>7,879,512</b>	<b>862,882</b>	<b>(1)</b>	<b>14,581,420</b>

**Las Virgenes Municipal Water District  
Summary of Allocated Internal Service Costs  
FY 2017-18 Budget**

	Total Costs	Direct Allocations	Allocated G&A Costs	Cost Recipient				
				JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
Central Service Provider								
General Manager	765,268	6,377	771,645	414,374	199,248	10,503	147,520	771,645
General Manager-100% LVMWD	309,388	(50,000)	259,388	-	264,013	-	(4,625)	259,388
Board of Directors	245,630	-	245,630	-	253,317	-	(7,687)	245,630
<b>Board of Directors &amp; GM</b>	<b>1,320,286</b>	<b>(43,623)</b>	<b>1,276,663</b>	<b>414,374</b>	<b>716,578</b>	<b>10,503</b>	<b>135,208</b>	<b>1,276,663</b>
RCPO Administration	407,888	-	407,888	219,037	34,542	-	154,309	407,888
Customer Service Admin	323,014	-	323,014	-	-	-	323,014	323,014
Customer Service Operations	1,545,408	475,094	2,020,502	-	2,497,055	17,035	(493,588)	2,020,502
Meter Service	1,196,213	-	1,196,213	-	1,374,442	-	(178,229)	1,196,213
Customer Service Programs	222,004	12,621	234,625	-	380,946	-	(146,321)	234,625
Resource/Watershed Conservation	375,180	6,377	381,557	-	465,383	54,751	(138,577)	381,557
Public Information	507,892	-	507,892	272,741	76,335	17,067	141,749	507,892
<b>RCPO</b>	<b>4,577,599</b>	<b>494,092</b>	<b>5,071,691</b>	<b>491,778</b>	<b>4,828,703</b>	<b>88,853</b>	<b>(337,643)</b>	<b>5,071,691</b>
Facilities & Operations Admin	505,928	6,377	512,305	275,109	310,720	69,539	(143,063)	512,305
Facilities Maint/Const Admin	168,520	4,450	172,970	92,886	106,316	23,794	(50,026)	172,970
Electrical	192,366	37,929	230,295	123,670	162,093	4,685	(60,153)	230,295
Maintenance	160,032	126,539	286,571	153,890	119,766	288	12,627	286,571
Building 8 Maintenance	445,676	-	445,676	239,331	-	-	206,345	445,676
Building 7 Maintenance	194,021	(194,021)	-	1	75,985	-	(75,986)	-
Construction	76,469	164,467	240,936	129,384	160,046	-	(48,494)	240,936
Fleet Maintenance	664,249	(664,249)	-	-	-	-	-	-
Water Administration	72,257	1,860	74,117	39,801	58,484	-	(24,168)	74,117
Water Treatment & Production	228,697	107,542	336,239	180,561	246,112	378	(90,812)	336,239
Reclamation Administration	506,402	12,621	519,023	278,718	-	-	240,305	519,023
Laboratory	601,388	(601,388)	-	-	479,895	-	(479,895)	-
Wastewater Treatment Facility	61,818	25,241	87,059	46,750	100,777	-	(60,468)	87,059
Composting Facility	121,311	31,618	152,929	82,123	171,278	-	(100,472)	152,929
Planning & Technical Services	838,535	(74,079)	764,456	410,516	93,913	634,477	(374,450)	764,456
<b>Facilities &amp; Operations</b>	<b>4,837,669</b>	<b>(1,015,093)</b>	<b>3,822,576</b>	<b>2,052,740</b>	<b>2,085,385</b>	<b>733,161</b>	<b>(1,048,710)</b>	<b>3,822,576</b>
Finance & Administration Admin	1,129,881	-	1,129,881	606,750	243,342	-	279,789	1,129,881
Information Systems	1,846,879	(293,406)	1,553,473	834,224	207,470	46,388	465,391	1,553,473
Human Resources	1,494,319	-	1,494,319	802,455	178,784	39,974	473,106	1,494,319
Finance & Accounting	1,305,510	-	1,305,510	701,069	500,706	70,877	32,858	1,305,510
<b>Finance &amp; Administration</b>	<b>5,776,589</b>	<b>(293,406)</b>	<b>5,483,183</b>	<b>2,944,498</b>	<b>1,130,302</b>	<b>157,239</b>	<b>1,251,144</b>	<b>5,483,183</b>
<b>Total Allocated G&amp;A Costs</b>	<b>16,512,143</b>	<b>(858,030)</b>	<b>15,654,113</b>	<b>5,903,390</b>	<b>8,760,968</b>	<b>989,756</b>	<b>(1)</b>	<b>15,654,113</b>
Direct Allocations								
Allocated Laboratory Expenses				411,386	202,623	-	-	614,009
Allocated Ops Bldg Expenses				97,010	97,011	-	-	194,021
Allocated Legal Expenses				-	50,000	-	-	50,000
<b>Total Direct Allocations</b>				<b>508,396</b>	<b>349,634</b>	<b>-</b>	<b>-</b>	<b>858,030</b>
<b>Total all Allocated Costs</b>				<b>6,411,786</b>	<b>9,110,602</b>	<b>989,756</b>	<b>(1)</b>	<b>16,512,143</b>



# CAPITAL IMPROVEMENT PROJECTS

Each year the District prepares a Five-Year Infrastructure Investment Plan (IIP) as a planning document used to identify the future facility improvements or replacement projects required by the District to maintain and improve the level of service to customers, or to achieve regulatory compliance. Annual funding approval is requested based on funding availability, priority of need and overall justification. Many projects span multiple fiscal years from design through construction and to the acceptance and ultimate use of the facility. The District appropriates funds as needed on an annual basis as detailed in the IIP. If unforeseen delays in work result in an appropriation remaining unspent on a continuing project at the end of the fiscal year, that unspent appropriation will continue to be available for that project until the project is completed or cancelled as specified in the IIP. The projected annual expenditures shown in the following pages represent the total working capital requirements needed to complete the projects as scheduled. The FY17-18 appropriations amounts represent additional funds needed in each of the upcoming fiscal years.

Each project is assigned a priority in order to develop a vocabulary of time and need sensitivity of projects relative to each other. The higher priority projects reflect projects that typically are driven by external needs, events, or regulation, rather than district needs. It is not the intent to fund only Priority 1 or Priority 2 projects and defer the Priority 3 projects. Rather the intent is to achieve a blend of projects in all Priorities consistent with fund availability.

## Priority 1 – Essential Projects

- Required by law, regulation or court mandate to be accomplished immediately.
- Disaster recovery work needed to restore service.
- Emergency repairs to maintain/restore service reliability, or to resolve or correct a hazardous situation.

## Priority 2 – Necessary Projects

- High need for scheduled repair, replacement or upgrade to maintain or improve service reliability.
- Safety improvement to protect life or property.
- Improvement to protect facilities, equipment and structures.
- Cost related efficiency improvements.
- Conservation of resources.
- Water quality improvement – no regulatory requirement.
- Matching funding available (like grants).
- Current demand related improvements.

## Priority 3 – Desirable or Deferrable Projects

- Routine improvements or repairs to systems.
- No direct cost benefit.
- Cosmetic improvements.
- Future demand related improvements.

Projects identified in the Las Virgenes – Triunfo Joint Powers Authority Infrastructure Investment Plan have shared funding responsibility of the District and Triunfo Sanitation District consistent with the Joint Powers Authority Agreement. Allocation of costs between the two agencies for Joint Powers Authority construction or replacement costs is governed by the JPA agreement and is based on capacity rights, flow amounts and other defined criteria.

Each project is funded by one or more Capital Funds. A description of each of the LVMWD Capital Funds is:

- Recycled Water Conservation Fund – Provides for construction of new facilities or services to support new users, as well as conservation programs, such as low flow toilet rebates. Source of revenue for this Fund is a component of the Water Capacity Fee for the Water Conservation Fund.
- Recycled Water Replacement Fund – Provides for the repair, upgrade, and replacement of component facilities in the existing recycled water system. Source of revenue for this Fund is Recycled Water Rates.

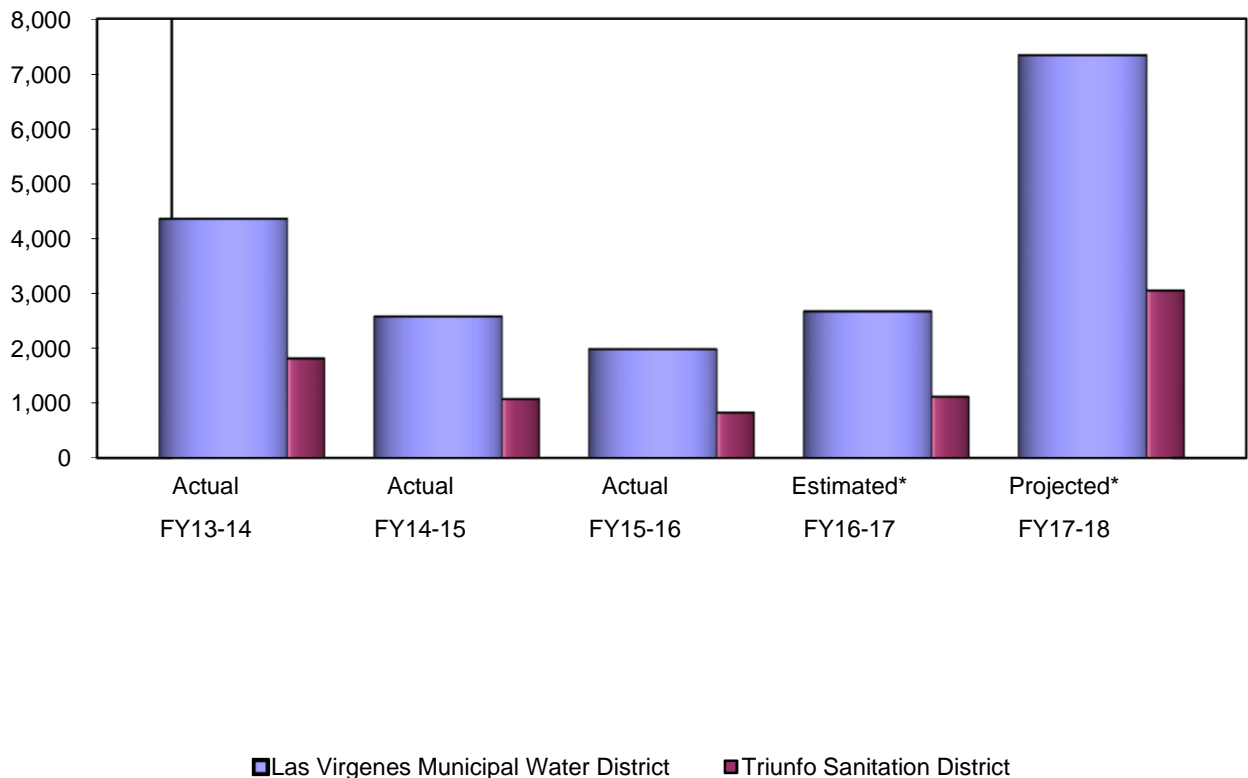
- Sanitation Construction Fund – Provides for construction projects related to the Sanitation System to support new demands or requirements. Source of revenue for this Fund is the Sewer Capacity Fee.
- Sanitation Replacement Fund – Provides for projects to repair, upgrade and replace component facilities in the Sanitation System. Source of revenue for this Fund is Sewer Rates.

The District has actively pursued funding for capital projects from various Federal, State and County government agencies. Currently the Los Angeles County Flood Control District has secured State of California Proposition 84 funding for the LVMWD-CMWD Interconnection project up to the amount of \$354,000. No other grant funds are currently approved for the proposed JPA capital improvements. Staff also expects to receive incentives to offset the installation costs of the Lighting Efficiency projects, as well as annual operating cost savings from completion of those projects.



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

	FY13-14 Actual	FY14-15 Actual	FY15-16 Actual	FY16-17 Estimated*	FY17-18 Projected*
<b>Las Virgenes Municipal Water District</b>	4,361	2,582	1,987	2,676	7,337
<b>Triunfo Sanitation District</b>	1,816	1,075	827	1,117	3,055
	<b>6,177</b>	<b>3,657</b>	<b>2,814</b>	<b>3,793</b>	<b>10,392</b>



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

# Las Virgenes - Triunfo Joint Powers Authority

## Working Capital Requirements

### Capital Improvement Projects

#### FY16-17 and FY17-18

Job #	Title	Approved Appropriations	Prior Expenditures	Estimated Expenditures FY16-17	Projected Carryover July 1, 2017	FY17-18 Appropriation	FY17-18 Working Capital Requirement
10418	Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)	\$443,231	\$338,631	\$68,057	\$0	\$0	\$0
10513	Tapia Sluice Gate and Drive Replacement	\$545,105	\$24,009	\$415,000	\$0	\$0	\$0
10520	SCADA System Communication Upgrades	\$93,100	\$32,447	\$0	\$0	\$0	\$0
10537	Raw Sludge Wet Well Mixing Improvements	\$148,000	\$32,659	\$204,328	(\$88,987)	\$196,614	\$107,627
10540	Lost Hill Overpass Recycled Water Main Relocation	\$852,433	\$112,606	\$2,664	\$737,163	(\$115,109)	\$622,054
10559	Manhole Rehabilitation, F2/F3 Line	\$291,500	\$2,272	\$6,635	\$0	\$0	\$0
10560	Rancho: Rehabilitate Existing Centrate Line	\$175,390	\$0	\$1,892	\$0	\$0	\$0
10564	Centrate Equalization Tank	\$1,573,008	\$186,929	\$1,284,954	\$0	\$0	\$0
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$318,000	\$162,227	\$94,788	\$60,985	\$761,706	\$822,691
10567	Programmable Logic Controller Upgrades	\$226,000	\$0	\$0	\$226,000	\$106,850	\$332,850
10574	Rancho Facility Improvements	\$384,000	\$136,100	\$13,848	\$0	\$0	\$0
10579	Security Upgrades - JPA	\$33,044	\$13,977	\$5,639	\$0	\$0	\$0
10587	Recycled Water Storage Study	\$2,271,644	\$700,498	\$484,705	\$1,086,441	(\$1,086,441)	\$0
10588	Woodland Hills Golf Course RW Pipeline Extension	\$1,432,692	\$390,265	\$390	\$0	\$0	\$0
10589	WIMS Software Implementation	\$32,350	\$25,740	\$0	\$0	\$0	\$0
10597	Tapia Electrical and Instrumentation Upgrades	\$167,810	\$0	\$0	\$167,810	(\$101,810)	\$66,000
10600	Tapia Water Reclamation Facility Reliability Improvements	\$132,000	\$25,216	\$117,219	\$0	\$0	\$0
10601	Rancho Reliability Improvements	\$96,400	\$57,025	\$97,475	\$0	\$0	\$0
10602	Miscellaneous RW Extension	\$106,000	\$6,921	\$0	\$99,079	\$32,321	\$131,400
10607	Tapia: Primary Tanks No. 2 - 5 Rehabilitation	\$946,160	\$32,058	\$840,105	\$0	\$0	\$0
10608	Rancho Amendment Bin and Conveyance Modification Project	\$776,500	\$0	\$58,500	\$718,000	(\$347,850)	\$370,150

# Las Virgenes - Triunfo Joint Powers Authority

## Working Capital Requirements

### Capital Improvement Projects

### FY16-17 and FY17-18

Job #	Title	Approved Appropriations	Prior Expenditures	Estimated Expenditures FY16-17	Projected Carryover July 1, 2017	FY17-18 Appropriation	FY17-18 Working Capital Requirement
10611	Tapia Duct Bank Infrastructure Upgrade	\$66,000	\$0	\$0	\$0	\$0	\$0
10617	Flow Meter Replacement - JPA Meters	\$25,849	\$0	\$0	\$0	\$0	\$0
10619	Summer Season 2013 TMDL Compliance	\$200,000	\$0	\$0	\$200,000	\$0	\$200,000
10621	Recycled Water Tank Coating Evaluation and Repair	\$30,000	\$0	\$0	\$30,000	\$0	\$30,000
10622	Capri Tract w/o Lindero Greenbelt Recycled Water Improvements	\$431,000	\$0	\$0	\$0	\$0	\$0
10623	Hillcrest and Oak Park North Apartments Recycled Water Improvements	\$300,000	\$0	\$0	\$0	\$0	\$0
10624	Tapia Chemical Building Roof Replacement	\$55,000	\$0	\$27,500	\$0	\$0	\$0
10626	Process Air Improvements	\$1,797,400	\$0	\$69,584	\$1,727,816	(\$175,816)	\$1,552,000
10629	Canyon Oaks Park RW Main Extension	\$399,780	\$0	\$0	\$0	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$0	\$0	\$0	\$0	\$1,850,000	\$1,850,000
60023	Tapia Lighting Efficiency Upgrade	\$0	\$0	\$0	\$0	\$469,920	\$469,920
70002	Rancho Reliability Improvements FY 17-18	\$0	\$0	\$0	\$0	\$132,000	\$132,000
70007	Tapia Water Reclamation Facility Reliability Improvements FY 17-18	\$0	\$0	\$0	\$0	\$132,000	\$132,000
70009	Tapia Primary Tanks No. 4-5 Rehabilitation	\$0	\$0	\$0	\$0	\$790,000	\$790,000
70010	Tapia Sluice Gate and Drive Replacement FY 17-18	\$0	\$0	\$0	\$0	\$556,600	\$556,600
70012	Tapia Grit and Skimmings Pipeline Replacement	\$0	\$0	\$0	\$0	\$202,500	\$202,500
70013	Land Acquisition	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
99911	Rancho Las Virgenes: FOG Receiving Facilities	\$0	\$0	\$0	\$0	\$25,000	\$25,000
<b>Total CIP Budget</b>		<b>\$14,349,396</b>	<b>\$2,279,580</b>	<b>\$3,793,283</b>	<b>\$4,964,307</b>	<b>\$5,428,485</b>	<b>\$10,392,792</b>

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10418	<b>Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)</b>	Cao	3 Completed	Appr. \$443,231 Exp. \$406,688	<b>\$0</b>
	Rehabilitation of 18" RW pipe between Tapia and Mulholland Highway due to excessive failure rate. Cost estimate is based on the installation of an active cathodic protection system. The project is divided in three phases: 1) FY12-13; 2) FY13-14; 3) FY14-15.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10513	<b>Tapia Sluice Gate and Drive Replacement</b>	Olinger	2 Completed	Appr. \$545,105 Exp. \$439,009	<b>\$0</b>
	Replaces existing gates in the tanks and channels at Tapia as well as drive mechanisms for flights and chains.				
	<i>Sub-Projects: FY17-18 Tapia Sluice Gate and Drive Replacement \$556,600</i>				
	<i>FY18-19 - FY19-20 Sluice Gate &amp; Drive replacement project \$769,400</i>				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10520	<b>SCADA System Communication Upgrades</b>	Schlageter	2 Deferred	Appr. \$93,100 Exp. \$32,447	<b>\$0</b>
	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.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10537	<b>Raw Sludge Wet Well Mixing Improvements</b>	Adams	2 Continuing	Appr. \$148,000 Exp. \$236,987	<b>\$196,614</b>
	Replace the existing centrifugal mixing pump with a pump that is more appropriate for sludge mixing.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10540	<b>Lost Hill Overpass Recycled Water Main Relocation</b>	Zhao	2 Continuing	Appr. \$852,433 Exp. \$115,270	<b>(\$115,109)</b>
	Relocate the existing 10" recycled water pipeline in the Lost Hills overpass to the new overpass that will under construction beginning May 2015.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10559	<b>Manhole Rehabilitation, F2/F3 Line</b>	Schlageter	2 Deferred	Appr. \$291,500 Exp. \$8,907	<b>\$0</b>
	The project consists of rehabilitation of existing deteriorated manholes identified by sewer collection inspection. The rehabilitation project includes various repair alternatives based upon the severity of their condition.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	40.10%	59.90%	
	Estimated Impact on Annual Operating Expense		\$0		
10560	<b>Rancho: Rehabilitate Existing Centrate Line</b>	Schlageter	2 Completed	Appr. \$175,390 Exp. \$1,892	<b>\$0</b>
	Provide mechanical and/or chemical cleaning of minerals from the existing centrate line. No planning is needed due to the availability of existing documentation.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10564	<b>Centrate Equalization Tank</b>	Schlageter	2 Completed	Appr. \$1,573,008 Exp. \$1,471,883	<b>\$0</b>
	Construct a centrate equalization tank at the centrate treatment facility.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction	25.00%	70.60%	29.40%	
	Sanitation Replacement	75.00%			
	Estimated Impact on Annual Operating Expense		\$0		
10565	<b>Rancho Las Virgenes Digester Cleaning and Repair</b>	Adams	1 Continuing	Appr. \$318,000 Exp. \$257,015	<b>\$761,706</b>
	To clean out and evaluate the condition of existing digesters # 1 and #2. The full scope of repairs is unknown at this time but could include coatings ,concrete patching, pipe and valve repairs, removal of the steam lances, and repairs to hatches and seals.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10567	<b>Programmable Logic Controller Upgrades</b>	Schlageter	2 Continuing	Appr. \$226,000 Exp. \$0	<b>\$106,850</b>
	<p>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.</p>				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10574	<b>Rancho Facility Improvements</b>	Triplett	3 Cancelled	Appr. \$384,000 Exp. \$149,948	<b>\$0</b>
	<p>Replace and repair significant components of the JPA's Rancho Las Virgenes Composting Facility.1) Replacement Sump Pumps (4 @ \$8K/ea.) - \$35,0002) Amendment Bin Overhaul (welding/coating) - \$50,0003) Conveyor Screw Replacement (2) - \$30,0004) Dewatering Compressor (1) - \$10,000</p>				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10579	<b>Security Upgrades - JPA</b>	Miller	3 Completed	Appr. \$33,044 Exp. \$19,616	<b>\$0</b>
	<p>Remote Access Control: \$20,000 Security Cameras: \$15,000 Lock and Key Control: \$5,000</p>				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10587	<b>Recycled Water Storage Study</b>	Lippman	1 Continuing	Appr. \$2,271,644 Exp. \$1,185,203	<b>(\$1,086,441)</b>
	<p>On April 6, 2015, the Board approved the Recycled Water - Seasonal Storage Plan of Action and directed staff to prepare a Basis of Design Report (BODR) for two scenarios: 1) the use of Las Virgenes Reservoir for indirect potable reuse; and 2) repurposing the Encino Reservoir for seasonal storage. On August 1, 2016 the JPA Board selected indirect potable reuse using Las Virgenes Reservoir as the preferred scenario for the Basis of Design Report. See Project 10635.</p>				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation	30.00%	70.60%	29.40%	
	Sanitation Construction	20.00%			
	Sanitation Replacement	50.00%			
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10588	<b>Woodland Hills Golf Course RW Pipeline Extension</b>	Schlageter	2 Cancelled	Appr. \$1,432,692 Exp. \$390,655	<b>\$0</b>
	Installation of a 16 inch pipeline from the intersection of Park Granada and Park Capri (Calabasas) to the Los Angeles city boundary and extending to the Woodland Hills Country Club. The JPA will manage the development of the preliminary design, environmental documentation (with CEQA) and final design and construction of the project. The JPA will be reimbursed for all costs related to this project by the LADWP.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation	100.00%	70.60%	29.40%	
	<b>Other Funding from: Los Angeles Dept. of Water &amp; Power</b>				
	Estimated Impact on Annual Operating Expense		\$0		
10589	<b>WIMS Software Implementation</b>		2 Cancelled	Appr. \$32,350 Exp. \$25,740	<b>\$0</b>
	Purchase and installation of Water Information Management solution.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10597	<b>Tapia Electrical and Instrumentation Upgrades</b>	Korkosz	3 Continuing	Appr. \$167,810 Exp. \$0	<b>(\$101,810)</b>
	Replace obsolete and malfunctioning mechanical protective relays for generators with new solid state controls. The controls will provide better generator protection and troubleshooting capabilities (generators 1 & 2). Generator vendor will be selected through RFP process.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10600	<b>Tapia Water Reclamation Facility Reliability Improvements</b>	Dingman	3 Annual	Appr. \$132,000 Exp. \$142,435	<b>\$0</b>
	Replace or rehabilitate facilities and equipment at the Tapia Water Reclamation Facility (WRF) based on failure, exceedence of useful life, or obsolescence. Specific projects are identified for each fiscal year.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10601	<b>Rancho Reliability Improvements</b>	Schlageter	2 Annual	Appr. \$96,400 Exp. \$154,500	<b>\$0</b>
	Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, exceedence of useful life, or obsolescence. Specific projects are identified for each fiscal year.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10602	<b>Miscellaneous RW Extension</b>	Schlageter	2 Continuing	Appr. \$106,000 Exp. \$6,921	<b>\$32,321</b>
	Funding to develop miscellaneous recycled water system extensions.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10607	<b>Tapia: Primary Tanks No. 2 - 5 Rehabilitation</b>	Olinger	2 Cancelled	Appr. \$946,160 Exp. \$872,163	<b>\$0</b>
	Concrete repair and the installation of a protective coating in the tanks. This project also includes the replacement of existing aluminum launders with stainless steel launders and new stainless steel inlet diffusers.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10608	<b>Rancho Amendment Bin and Conveyance Modification Project</b>	Adams	2 Continuing	Appr. \$776,500 Exp. \$58,500	<b>(\$347,850)</b>
	The project consists of installing a new smaller amendment bin and modification to the conveyor system to simplify the amendment conveyance process.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10611	<b>Tapia Duct Bank Infrastructure Upgrade</b>	Korkosz	2 Deferred	Appr. \$66,000 Exp. \$0	<b>\$0</b>
	Add new duct bank from the front gate to the chemical building with several intercept points along the way.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		



# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10617	<b>Flow Meter Replacement - JPA Meters</b>	Anders	1 Completed	Appr. \$25,849 Exp. \$0	<b>\$0</b>
	Replace end of life flow meters at two (2) locations. Includes the purchase of wireless flow meters and installation.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10619	<b>Summer Season 2013 TMDL Compliance</b>	Lippman	1 Continuing	Appr. \$200,000 Exp. \$0	<b>\$0</b>
	Construction of a 1MGD "side stream" treatment facility at Tapia to treat stream flow augmentation discharges to the 2013 TMDL limits of 1 mg/L total nitrogen and 0.1 mg/L total phosphorous. The cost estimate is based on membrane technology. The size is based on the maximum daily flow from 2013-2015.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction	25.00%	70.60%	29.40%	
	Sanitation Replacement	75.00%			
	Estimated Impact on Annual Operating Expense		\$0		
10621	<b>Recycled Water Tank Coating Evaluation and Repair</b>	Olinger	2 Continuing	Appr. \$30,000 Exp. \$0	<b>\$0</b>
	The project consists of evaluating the coatings of three (3) steel tanks (Indian Hills, Parkway, Cordillera), that have been identified as needing possible rehabilitation based upon the annual diver's inspection report. The project would include review of the applicable inspection reports and videos and update the "Coating Evaluations and Proposed Rehabilitation Activities" report that was last prepared in June 2002 with recommended rehabilitation.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10622	<b>Capri Tract w/o Lindero Greenbelt Recycled Water Improvements</b>	TSD	2 Cancelled	Appr. \$431,000 Exp. \$0	<b>\$0</b>
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations
10623	<b>Hillcrest and Oak Park North Apartments Recycled Water Improvements</b>	TSD	2 Cancelled	Appr. \$300,000 Exp. \$0	<b>\$0</b>
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10624	<b>Tapia Chemical Building Roof Replacement</b>	Miller	3 Completed	Appr. \$55,000 Exp. \$27,500	<b>\$0</b>
	Replacement of original chemical building roof located at the Tapia Water Reclamation Facility. The original roof is over 20 years old and has developed leaks in numerous locations. Based on extent of the repairs necessary a total replacement of the 4,700 square foot roof is recommended. The flat roof will be stripped to the rafters and replaced with new sheeting, tar paper and rocks. Rain gutters and roof drainage will also be addressed as part of the replacement.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement	100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense		\$0		
10626	<b>Process Air Improvements</b>	Schlageter	2 Continuing	Appr. \$1,797,400 Exp. \$69,584	<b>(\$175,816)</b>
	The first phase is to replace the existing Roots blowers with new, high efficiency, single stage blowers. To replace the air diffusers in the aeration basins with new full floor mounted fine bubble diffusers.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction	25.00%	70.60%	29.40%	
	Sanitation Replacement	75.00%			
	Estimated Impact on Annual Operating Expense		(\$184,000)		
10629	<b>Canyon Oaks Park RW Main Extension</b>	Schlageter	2 Cancelled	Appr. \$399,780 Exp. \$0	<b>\$0</b>
	This extension will serve the City of Westlake Village's Canyon Oaks Park and eliminate a long private service line to Yerba Buena School.				
	Project Funding:		JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation	100.00%	70.60%	29.40%	
	<b>Other Funding from: Prop 84 IRWMP</b>		<b>\$354,000</b>		
	Estimated Impact on Annual Operating Expense		\$0		

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations	
10635	<b>Pure Water Project Las Virgenes-Triunfo</b>	Lippman	1 Continuing	Appr. Exp.	\$0 \$0	<b>\$1,850,000</b>
	<p>On August 1, 2016 the JPA Board selected indirect potable reuse using Las Virgenes Reservoir as the preferred scenario for the Basis of Design Report. This CIP will fund preliminary studies, outreach, CEQA analysis, preliminary design and final design.</p> <p><i>Sub-Projects: 10636-Mixing &amp; Dilution Study</i>  <i>10637-Facility Siting Study</i>  <i>10638-Demonstration Project</i></p>					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Recycled Water Conservation	30.00%	70.60%	29.40%		
	Sanitation Construction	20.00%				
	Sanitation Replacement	50.00%				
	Estimated Impact on Annual Operating Expense		\$0			
60023	<b>Tapia Lighting Efficiency Upgrade</b>	Zhao	3 New	Appr. Exp.	\$0 \$0	<b>\$469,920</b>
	<p>Replace internal and external lights at Tapia.</p>					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	<b>Other Funding from: Incentives</b>		<b>\$25,000</b>			
	Estimated Impact on Annual Operating Expense		(\$53,000)			
70002	<b>Rancho Reliability Improvements FY 17-18</b>	Adams	2 Annual	Appr. Exp.	\$0 \$0	<b>\$132,000</b>
	<p>Based on analysis of break history, facility age, pipe material, location and other distribution system indicators, this project will fund specific repair and/or replacement projects.</p>					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	Estimated Impact on Annual Operating Expense		\$0			
70007	<b>Tapia Water Reclamation Facility Reliability Improvements FY 17-18</b>	Dingman	3 Annual	Appr. Exp.	\$0 \$0	<b>\$132,000</b>
	<p>Based on analysis of break history, facility age, pipe material, location and other distribution system indicators, this project will fund specific repair and/or replacement projects.</p>					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	Estimated Impact on Annual Operating Expense		\$0			

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations	
70009	<b>Tapia Primary Tanks No. 4-5 Rehabilitation</b>	Olinger	2 New	Appr. Exp.	\$0 \$0	<b>\$790,000</b>
	Concrete repair and the installation of a protective coating in the tanks. This project also includes the replacement of existing aluminum launders with stainless steel launders and new stainless steel inlet diffusers					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	Estimated Impact on Annual Operating Expense		\$0			
70010	<b>Tapia Sluice Gate and Drive Replacement FY 17-18</b>	Olinger	2 New	Appr. Exp.	\$0 \$0	<b>\$556,600</b>
	Replace existing gates in the tanks and channels at Tapia as well as drive mechanisms. Replace ten RAS gates in FY 17-18					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	Estimated Impact on Annual Operating Expense		\$0			
70012	<b>Tapia Grit and Skimmings Pipeline Replacement</b>	Dingman	2 New	Appr. Exp.	\$0 \$0	<b>\$202,500</b>
	Replace approximately 230 feet of grit piping and "Y" grit valves as well as approximately 200 feet of primary skimming pipe. Pipe diameters vary from 4" to 8".					
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Sanitation Replacement	100.00%	70.60%	29.40%		
	Estimated Impact on Annual Operating Expense		\$0			
70013	<b>Land Acquisition</b>	Lippman	New	Appr. Exp.	\$0 \$0	<b>\$2,000,000</b>
	Project Funding:		JPA Share - LV:	JPA Share - TSD:		
	Recycled Water Conservation	30.00%	70.60%	29.40%		
	Sanitation Construction	20.00%				
	Sanitation Replacement	50.00%				
	Estimated Impact on Annual Operating Expense					

# JPA - Capital Improvement Project Detail, FY2017-18

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2017	FY17-18 Appropriations	
99911	<b>Rancho Las Virgenes: FOG Receiving Facilities</b>	Dingman	3 New	Appr. Exp.	\$0 \$0	<b>\$25,000</b>

To conduct a study to determine the market for local high strength wastes (food waste, fats, oils, and grease (FOG)) that can be fed into the third digester. After completion of the study, the installation of facilities for receiving and conveying fats, oils, and grease (FOG) and food waste into the newly constructed third digester.

Project Funding:	JPA Share - LV:	JPA Share - TSD:
Sanitation Construction	20.00%	70.60%
Sanitation Replacement	80.00%	29.40%
Estimated Impact on Annual Operating Expense	\$0	

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**Total Capital Improvement Project Appropriations** **\$5,428,485**

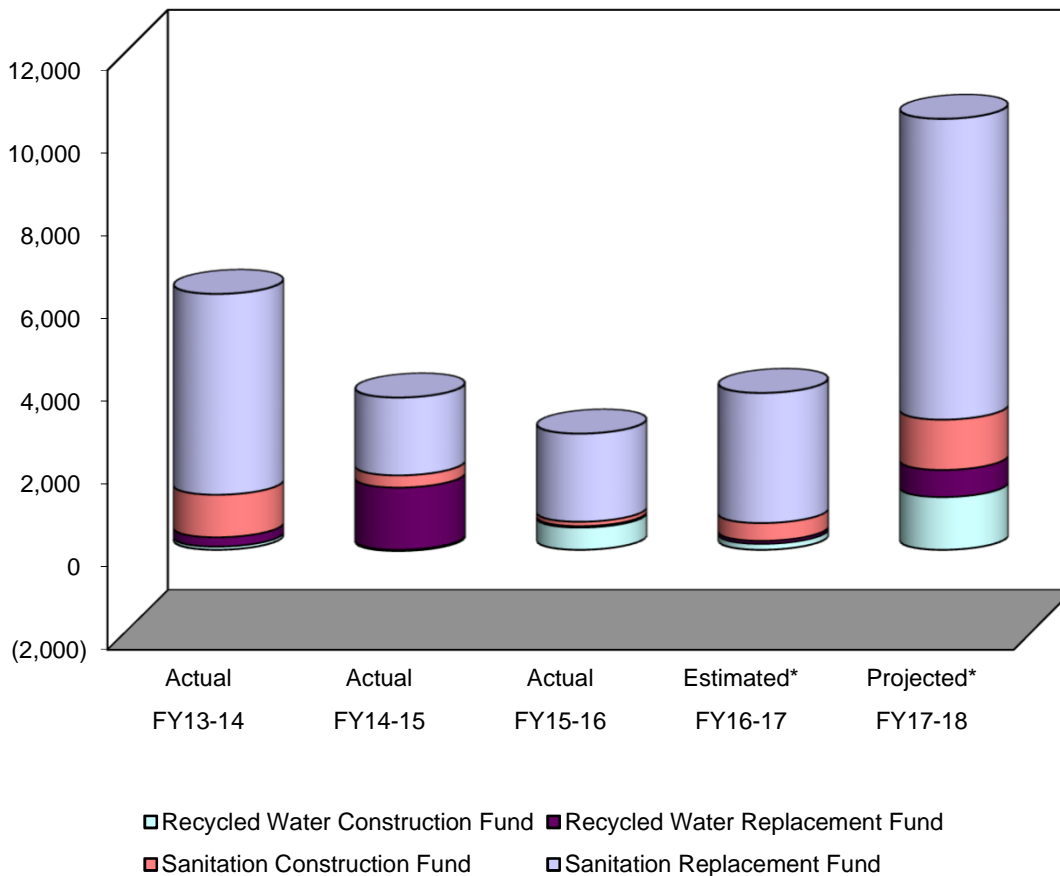
**Total Other Funding** **\$379,000**

Total Estimated Impact on Annual Operating Expense (\$237,000)

Appropriations by Fund	FY 2017-18 Appropriations	JPA Projects TSD Share	Net LVMWD Appropriations
Recycled Water Conservation	\$861,389	\$253,248	\$608,140
Recycled Water Replacement	(\$115,109)	(\$33,842)	(\$81,267)
Sanitation Construction	\$513,758	\$151,045	\$362,713
Sanitation Replacement	\$4,168,448	\$1,225,524	\$2,942,924
<b>GRAND TOTAL</b>	<b>\$5,428,485</b>	<b>\$1,595,975</b>	<b>\$3,832,510</b>

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

	FY13-14 Actual	FY14-15 Actual	FY15-16 Actual	FY16-17 Estimated*	FY17-18 Projected*
<b>Recycled Water Construction Fund</b>	77	(25)	543	146	1,286
<b>Recycled Water Replacement Fund</b>	228	1,514	33	71	652
<b>Sanitation Construction Fund</b>	1,037	295	108	435	1,213
<b>Sanitation Replacement Fund</b>	4,835	1,873	2,130	3,141	7,241
	<b>6,177</b>	<b>3,657</b>	<b>2,814</b>	<b>3,793</b>	<b>10,392</b>



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

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
CAPITAL IMPROVEMENT PROJECTS  
EXPENDITURE LISTING by FUND  
FY 2016-17 ESTIMATED ACTUAL**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2016-17 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2016-17 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
<b>Recycled Water Conservation</b>								
10587	Recycled Water Storage Study	\$484,705	30.0%	\$145,412	29.4%	\$42,751	70.6%	\$102,661
10588	Woodland Hills Golf Course RW Pipeline Extension	\$390	100.0%	\$390	29.4%	\$115	70.6%	\$275
10602	Miscellaneous RW Extension	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10629	Canyon Oaks Park RW Main Extension	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
<b>Total: Recycled Water Conservation</b>				<b>\$145,802</b>		<b>\$42,866</b>		<b>\$102,936</b>
<b>Recycled Water Replacement</b>								
10418	Rehabilitation of 18" RW Pipe (Tapia/Mulholland Highway)	\$68,057	100.0%	\$68,057	29.4%	\$20,009	70.6%	\$48,048
10540	Lost Hill Overpass Recycled Water Main Relocation	\$2,664	100.0%	\$2,664	29.4%	\$783	70.6%	\$1,881
10621	Recycled Water Tank Coating Evaluation and Repair	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10622	Capri Tract w/o Lindero Greenbelt Recycled Water Improve	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10623	Hillcrest and Oak Park North Apartments Recycled Water Impr	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
<b>Total: Recycled Water Replacement</b>				<b>\$70,721</b>		<b>\$20,792</b>		<b>\$49,929</b>
<b>Sanitation Construction</b>								
10564	Centrate Equalization Tank	\$1,284,954	25.0%	\$321,239	29.4%	\$94,444	70.6%	\$226,794
10587	Recycled Water Storage Study	\$484,705	20.0%	\$96,941	29.4%	\$28,501	70.6%	\$68,440
10619	Summer Season 2013 TMDL Compliance	\$0	25.0%	\$0	29.4%	\$0	70.6%	\$0
10626	Process Air Improvements	\$69,584	25.0%	\$17,396	29.4%	\$5,114	70.6%	\$12,282
<b>Total: Sanitation Construction</b>				<b>\$435,576</b>		<b>\$128,059</b>		<b>\$307,516</b>
<b>Sanitation Replacement</b>								
10513	Tapia Sluice Gate and Drive Replacement	\$415,000	100.0%	\$415,000	29.4%	\$122,010	70.6%	\$292,990
10520	SCADA System Communication Upgrades	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10537	Raw Sludge Wet Well Mixing Improvements	\$204,328	100.0%	\$204,328	29.4%	\$60,072	70.6%	\$144,256

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
CAPITAL IMPROVEMENT PROJECTS  
EXPENDITURE LISTING by FUND  
FY 2016-17 ESTIMATED ACTUAL**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2016-17 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2016-17 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
10559	Manhole Rehabilitation, F2/F3 Line	\$6,635	100.0%	\$6,635	59.9%	\$3,974	40.1%	\$2,661
10560	Rancho: Rehabilitate Existing Centrate Line	\$1,892	100.0%	\$1,892	29.4%	\$556	70.6%	\$1,336
10564	Centrate Equalization Tank	\$1,284,954	75.0%	\$963,716	29.4%	\$283,332	70.6%	\$680,383
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$94,788	100.0%	\$94,788	29.4%	\$27,868	70.6%	\$66,920
10567	Programmable Logic Controller Upgrades	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10574	Rancho Facility Improvements	\$13,848	100.0%	\$13,848	29.4%	\$4,071	70.6%	\$9,777
10579	Security Upgrades - JPA	\$5,639	100.0%	\$5,639	29.4%	\$1,658	70.6%	\$3,981
10587	Recycled Water Storage Study	\$484,705	50.0%	\$242,353	29.4%	\$71,252	70.6%	\$171,101
10589	WIMS Software Implementation	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10597	Tapia Electrical and Instrumentation Upgrades	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10600	Tapia Water Reclamation Facility Reliability Improvements	\$117,219	100.0%	\$117,219	29.4%	\$34,462	70.6%	\$82,757
10601	Rancho Reliability Improvements	\$97,475	100.0%	\$97,475	29.4%	\$28,658	70.6%	\$68,817
10607	Tapia: Primary Tanks No. 2 - 5 Rehabilitation	\$840,105	100.0%	\$840,105	29.4%	\$246,991	70.6%	\$593,114
10608	Rancho Amendment Bin and Conveyance Modification Project	\$58,500	100.0%	\$58,500	29.4%	\$17,199	70.6%	\$41,301
10611	Tapia Duct Bank Infrastructure Upgrade	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10617	Flow Meter Replacement - JPA Meters	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10619	Summer Season 2013 TMDL Compliance	\$0	75.0%	\$0	29.4%	\$0	70.6%	\$0
10624	Tapia Chemical Building Roof Replacement	\$27,500	100.0%	\$27,500	29.4%	\$8,085	70.6%	\$19,415
10626	Process Air Improvements	\$69,584	75.0%	\$52,188	29.4%	\$15,343	70.6%	\$36,845
<b>Total: Sanitation Replacement</b>				<b>\$3,141,185</b>	<b>\$925,532</b>	<b>\$2,215,653</b>		
<b>GRAND TOTAL</b>				<b>\$3,793,283</b>	<b>\$1,117,249</b>	<b>\$2,676,034</b>		



**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
CAPITAL IMPROVEMENT PROJECTS  
WORKING CAPITAL REQUIREMENT by FUND  
FY 2017-18**

WORK ORDER NO.	PROJECT NAME/FUND	FY 2017-18 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE		
					RATIO	AMOUNT	
<b>Recycled Water Conservation</b>							
10587	Recycled Water Storage Study	\$0	30.0%	\$0	29.4%	\$0	\$0
10602	Miscellaneous RW Extension	\$131,400	100.0%	\$131,400	29.4%	\$38,632	\$92,768
10635	Pure Water Project Las Virgenes-Triunfo	\$1,850,000	30.0%	\$555,000	29.4%	\$163,170	\$391,830
70013	Land Acquisition	\$2,000,000	30.0%	\$600,000	29.4%	\$176,400	\$423,600
<b>Total: Recycled Water Conservation</b>				<b>\$1,286,400</b>		<b>\$378,202</b>	<b>\$908,198</b>
<b>Recycled Water Replacement</b>							
10540	Lost Hill Overpass Recycled Water Main Relocation	\$622,054	100.0%	\$622,054	29.4%	\$182,884	\$439,170
10621	Recycled Water Tank Coating Evaluation and Repair	\$30,000	100.0%	\$30,000	29.4%	\$8,820	\$21,180
<b>Total: Recycled Water Replacement</b>				<b>\$652,054</b>		<b>\$191,704</b>	<b>\$460,350</b>
<b>Sanitation Construction</b>							
10587	Recycled Water Storage Study	\$0	20.0%	\$0	29.4%	\$0	\$0
10619	Summer Season 2013 TMDL Compliance	\$200,000	25.0%	\$50,000	29.4%	\$14,700	\$35,300
10626	Process Air Improvements	\$1,552,000	25.0%	\$388,000	29.4%	\$114,072	\$273,928
10635	Pure Water Project Las Virgenes-Triunfo	\$1,850,000	20.0%	\$370,000	29.4%	\$108,780	\$261,220
70013	Land Acquisition	\$2,000,000	20.0%	\$400,000	29.4%	\$117,600	\$282,400
99911	Rancho Las Virgenes: FOG Receiving Facilities	\$25,000	20.0%	\$5,000	29.4%	\$1,470	\$3,530
<b>Total: Sanitation Construction</b>				<b>\$1,213,000</b>		<b>\$356,622</b>	<b>\$856,378</b>
<b>Sanitation Replacement</b>							
10537	Raw Sludge Wet Well Mixing Improvements	\$107,627	100.0%	\$107,627	29.4%	\$31,642	\$75,985
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$822,691	100.0%	\$822,691	29.4%	\$241,871	\$580,820
10567	Programmable Logic Controller Upgrades	\$332,850	100.0%	\$332,850	29.4%	\$97,858	\$234,992

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
CAPITAL IMPROVEMENT PROJECTS  
WORKING CAPITAL REQUIREMENT by FUND  
FY 2017-18**

WORK ORDER NO.	PROJECT NAME/FUND	FY 2017-18 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE		
					RATIO	AMOUNT	
10587	Recycled Water Storage Study	\$0	50.0%	\$0	29.4%	\$0	\$0
10597	Tapia Electrical and Instrumentation Upgrades	\$66,000	100.0%	\$66,000	29.4%	\$19,404	\$46,596
10608	Rancho Amendment Bin and Conveyance Modification Project	\$370,150	100.0%	\$370,150	29.4%	\$108,824	\$261,326
10619	Summer Season 2013 TMDL Compliance	\$200,000	75.0%	\$150,000	29.4%	\$44,100	\$105,900
10626	Process Air Improvements	\$1,552,000	75.0%	\$1,164,000	29.4%	\$342,216	\$821,784
10635	Pure Water Project Las Virgenes-Triunfo	\$1,850,000	50.0%	\$925,000	29.4%	\$271,950	\$653,050
60023	Tapia Lighting Efficiency Upgrade	\$469,920	100.0%	\$469,920	29.4%	\$138,156	\$331,764
70002	Rancho Reliability Improvements FY 17-18	\$132,000	100.0%	\$132,000	29.4%	\$38,808	\$93,192
70007	Tapia Water Reclamation Facility Reliability Improvements FY	\$132,000	100.0%	\$132,000	29.4%	\$38,808	\$93,192
70009	Tapia Primary Tanks No. 4-5 Rehabilitation	\$790,000	100.0%	\$790,000	29.4%	\$232,260	\$557,740
70010	Tapia Sluice Gate and Drive Replacement FY 17-18	\$556,600	100.0%	\$556,600	29.4%	\$163,640	\$392,960
70012	Tapia Grit and Skimmings Pipeline Replacement	\$202,500	100.0%	\$202,500	29.4%	\$59,535	\$142,965
70013	Land Acquisition	\$2,000,000	50.0%	\$1,000,000	29.4%	\$294,000	\$706,000
99911	Rancho Las Virgenes: FOG Receiving Facilities	\$25,000	80.0%	\$20,000	29.4%	\$5,880	\$14,120
<b>Total: Sanitation Replacement</b>				<b>\$7,241,338</b>		<b>\$2,128,953</b>	<b>\$5,112,385</b>
<b>GRAND TOTAL</b>				<b>\$10,392,792</b>		<b>\$3,055,481</b>	<b>\$7,337,311</b>

# **RESOURCE CONSERVATION AND PUBLIC OUTREACH**

## **Program Descriptions**

Resource Conservation and Public Outreach Programs are included as individual line-item requests throughout the Budget. To provide a consolidated review, each Program is detailed on the following pages. This allows a more in-depth description of each Program and a more comprehensive perspective than is available within the business unit line-item explanations.

# RESOURCE CONSERVATION AND PUBLIC OUTREACH

## Public Outreach Programs

### School Education

#### FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2016-17 Adopted Budget	2016-17 Estimated Actual	2017-18 Budget Plan	2017-18 Proposed Budget
<b>Program Expenses</b>					
701230.6602	School Education	15,540	23,707	15,765	15,765
101900.6602	School Education - 100% LVMWD	203,684	162,851	214,514	214,514
751840.6602	School Education - 100% JPA	9,915	13,017	11,975	11,975
	Total Expenses	\$ 229,139	\$ 199,575	\$ 242,254	\$ 242,254

#### PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

701230.6602 Staff support for Outdoor Education including educational materials.

101900.6602 Includes LVUSD water science education school initiative (\$107,000); annual school poster contest and related calendar (\$7,500); elementary school theatrical presentations and related take-home support materials (\$8,800); secondary school outreach program (\$5,000), the annual library book program (\$3,500), and MWD's Solar Cup Challenge for participating high schools (\$2,500 per participant).

751840.6602 Wastewater education initiatives, programs and tours (\$5,000). Also includes programs designed to accommodate home-school students and school education programs in the TSD service area .

# RESOURCE CONSERVATION AND PUBLIC OUTREACH

## Public Outreach Programs

### Public Education

#### FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2016-17 Adopted Budget	2016-17 Estimated Actual	2017-18 Budget Plan	2017-18 Proposed Budget
	<b>Program Expenses</b>				
701230.6604	Public Education	309,581	219,268	200,817	200,817
101900.6604	Public Education - 100% LVMWD	222,887	142,445	233,793	233,793
751840.6604	Public Education - 100% JPA	67,398	66,155	71,835	71,835
	Total Expenses	\$ 599,866	\$ 427,868	\$ 506,445	\$ 506,445

#### PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

- 701230.6604 Includes community outreach (\$15,000); events and activities; printing and production of customer newsletters; website costs; District brochures and handout materials (\$15,000).
- 101900.6604 Includes water conservation-related display advertising, shut down notifications and other incident-specific notices to customers (\$10,000); conservation education to hotels, restaurants and businesses (\$5,000); chamber directories (\$1,800) and "water supply only" District quarterly tours for potable water (\$4,000), production and mailing of the annual water quality report, production of the annual "Popular Budget", construction project notifications and outreach (variable), rate change notifications.
- 751840.6604 Quarterly tours of Rancho/Tapia (\$4,000); Malibu Creek Watershed and regulatory issue outreach (\$3,500); JPA activities and display advertising related to watershed, compost and recycled water promotion, pharmaceutical disposal education, etc. (\$10,000).

# RESOURCE CONSERVATION AND PUBLIC OUTREACH

## Public Outreach Programs

### Community Group Outreach

#### FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

ACCT #	DESCRIPTION	2016-17 Adopted Budget	2016-17 Estimated Actual	2017-18 Budget Plan	2017-18 Proposed Budget
<b>Program Expenses</b>					
701230.6606	Community Group Outreach	13,406	4,568	14,606	14,606
101900.6606	Comm'ty Group Outreach - 100% LVMWD	8,096	3,915	8,164	8,164
751840.6606	Community Group Outreach - 100% JPA	5,015	455	6,525	6,525
	Total Expenses	\$ 26,517	\$ 8,938	\$ 29,295	\$ 29,295

#### PROGRAM DESCRIPTION

All programs include staff time charged from 701230.6100 and other units.

- 701230.6606 Includes funding and staff time for community forums and workshops (\$10,000); meetings and fees for speaker's bureau, HOA outreach, chamber events and luncheons (\$2,000) and community liaison expenses (\$1,000).
- 101900.6606 Includes water-related community group events; brochures, advertising, posters, speaker's bureau publications and supplies, photos and training materials (\$2,000).
- 751840.6606 JPA related publications and community group outreach related to watershed stewardship and NPDES permit (\$6,000) and speaker's bureau expenses (\$1,000).

# RESOURCE CONSERVATION AND PUBLIC OUTREACH

## Public Outreach Programs

### Intergovernmental Coordination

#### FUNDING SOURCES

Las Virgenes MWD - general	701230
Las Virgenes MWD - 100%	101900
Joint Powers Authority - 100%	751840

		2016-17 Adopted Budget	2016-17 Estimated Actual	2017-18 Budget Plan	2017-18 Proposed Budget
ACCT #	DESCRIPTION				
	<b>Program Expenses</b>				
701230.6608	Intergovernmental Coordination	16,499	16,765	17,909	17,909
101900.6608	Intergovt'al Coord'n - 100% LVMWD	10,284	2,042	10,469	10,469
751840.6608	Intergovt'al Coord'n - 100% JPA	10,342	6,448	10,618	10,618
	Total Expenses	\$ 37,125	\$ 25,255	\$ 38,996	\$ 38,996

#### PROGRAM DESCRIPTION

Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the federal and state legislators and staff, county, cities, school districts, federal agencies and regulatory bodies.

Budget includes funds for responses to legislative or regulatory issues that emerge during the year.

# GLOSSARY

**005** – Alternate effluent discharge point for treated wastewater from Tapia WRF.

**Account** – A record of a business transaction; a reckoning of money received or paid.

**Accounting System** – The total structure of records and procedures that discover, record, classify, summarize, and report information on the financial position and results of operations of a government entity.

**Accounts Payable** – Purchase of services and supplies as of or prior to June 30 but not yet paid at June 30.

**Accounts Receivable** – General bills due from customers.

**Accrual** – The recognition of a revenue or expense in a budget year even though the actual cash may not be received or paid until the following budget year.

**Acre-Foot of Water (AF)** – The volume of water that would cover one acre to a depth of one foot.

**Adoption** – Formal action by the Board of Directors, which sets the spending limits for the fiscal year.

**Advance Refunding** – A defeasance of outstanding debt prior to the date the bonds can be called by depositing cash and/or securities.

**American Water Works Association (AWWA)** – An international nonprofit scientific and educational society dedicated to the improvement of water quality and supply.

**Amortization** – Gradual reduction, redemption, or liquidation of the balance of an account; according to a specified schedule of times and amounts.

**Appropriation** – A funding authorization made by the Board, which permits the District to incur obligations and to make expenditures of resources.

**Aqueduct** – A canal for conveying a large amount of water.

**Assets** – Resources owned or held by the enterprise as a result of past events and from which future economic benefits are expected to flow to the enterprise.

**Association of California Water Agencies (ACWA)** – Association representing over 400 public water agencies consisting of municipal, irrigation, county and California water districts, and a number of special purpose agencies. ACWA also represents non-profit and non-public mutual water companies. Members provide the link between local, state and federal water projects, and ultimate water consumers.

**Audit** – Performed by the District's independent certified public accountant (CPA), with the objective to determine if the District's financial statements present fairly the District's financial position and results of operations in conformity with generally accepted accounting principles (GAAP).

**Automatic Meter Reading (AMR)** – Automatic collection of water meter data using remote reading devices.

**Biosolids** – Nutrient-rich solid materials that are produced from the organic residuals that are a byproduct of the treatment of domestic wastewater in a wastewater treatment plant.

**Bond Call** – Bonds that are redeemable by the issuer prior to the specified maturity date at a specified price at or above par.

**Budget** – The District's financial plan balancing proposed expenditures for a certain period of time to the expected income or revenue for that same period.

**California Association of Sanitation Agencies (CASA)** – An organization of various municipal agencies that provide wastewater collection, treatment, transportation and disposal in California.



**California Environmental Quality Act (CEQA)** – Legislation passed in 1969 to implement Federal law establishing environmental standards. Turbidity and other standards were established for treated wastewater discharges into public streams and rivers.

**California Public Utilities Commission (CPUC)** – Commission governing the business operations of private utilities in so much as they affect the rates of the services sold.

**Capacity Fee** – Fee imposed when a customer requests a new service connection. Capacity fee funds are used by the District to plan, design and construct new facilities to support the additional demand placed by on the water and sanitation systems by the new service connections.

**Capital Assets** – Assets of a long-term nature such as land, buildings, machinery, furniture, plants and transmission and distribution infrastructure, and other equipment. The District has defined such assets as those with an expected life in excess of three years and an acquisition cost in excess of \$5,000.

**Capital Improvement Program (CIP)** – A plan to provide for the maintenance or replacement of existing assets, infrastructure, and equipment and for the construction or acquisition of new facilities and equipment.

**Capital Improvement Program-Labor Reimbursement** – Salaries are budgeted 100% in the District's operating budget. Labor expended on capital improvement projects is then reimbursed to the operating budget from the project budget.

**Capital Improvement Project Funds** – Funds used to account for financial resources used for the acquisition or construction of major capital facilities, as approved in the five year Capital Improvement Plan.

**Capitalized Interest** – Funds provided from the proceeds of a bond issue, used to cover interest payments until revenue sources to repay the debt are available.

**Certificates of Participation (COP)** – Form of lease-purchase financing used to construct or acquire capital facilities and equipment.

**Coverage** – A margin of safety for payment of debt service, reflecting the number of times by which earnings for a period of time exceed debt service payable in such a period.

**Current Assets** – Cash, bank deposits, investments, accounts and other amounts receivable. Assets which can be converted to cash, consumed or sold within one year.

**Current Liabilities** – Accounts, contracts, deposits and other payables due within one year.

**Customer Information System (CIS)** – A system maintaining customer data including usage, billing and payment information.

**Customer Water Budget** – Volumetric allotments of water based on a set indoor demand volume and weather-adjusted outdoor demand.

**Debt** – An obligation resulting from the borrowing of money or from the purchase of goods and services. These include bonds and accounts payable.

**Debt Service** – Interest and principal payments on bond issues and Certificates of Participation. Also included are the issuance costs related to bond funding.

**Defeasance** – To set aside sufficient money to retire outstanding debt when due. A full defeasance results in release from covenants and contractual obligations contained in the bond documents.

**Deficiency** – A general term indicating the amount by which anything falls short of some requirement of expectation.

**Deficit** – The excess of expenditures over revenues during an accounting period.

**Depreciation** – An element of cost resulting from the service of long-lived assets in an economic organization and represents the loss in asset value because of wear, deterioration, obsolescence or action of the physical elements.

**Drought** – A period of drier-than-normal conditions that results in water-related problems.

**Effluent** – Treated wastewater discharged from wastewater treatment plants.

**Emergency Action Plan (EAP)** – Emergency Action Plan as required by the Federal Energy Regulatory Commission (FERC) as it applies to dams and reservoirs of high or moderate hazard potential to life and property. The EAP consists typically of notification procedures to alert the appropriate authorities in the event of a hazardous condition developing and also includes continuous monitoring of the facility to provide an early warning to the operator.

**Enterprise Fund** – A fund established to account for the financing of self-supporting enterprises, such as a utility fund, which render services primarily to the public.

**Entity** – The basic unit upon which accounting and/or financial reporting activities focus.

**Equivalent Residential Unit (ERU)** – Water usage equivalent to a typical single-family dwelling.

**Expenses** – Decreases in economic benefits during the accounting period in the form of outflows or depletions of assets or incurrences of liabilities that result in decreases in equity.

**Fiscal Year** – The beginning and ending period for recording financial transactions. The District has specified July 1 to June 30 as its fiscal year.

**Full Time Equivalent (FTE)** – An FTE equates to one full-time employee working 2,080 hours per year.

**Fund** – An accounting entity that records all financial transactions for specific activities or government functions.

**Geographic Information System (GIS)** – A system combining computer hardware, software, and geographic data for collecting, storing, analyzing and displaying geographically referenced information.

**Generally Accepted Accounting Principles (GAAP)** – Accounting standards and financial reporting practices promulgated by several national committees and boards. Primary sources for governmental accounting are the National Council on Governmental Accounting, producing governmental accounting, auditing and financial reporting (GAAP), the Governmental Accounting Standards Board (GASB), and the Government Finance Officers Association (GFOA).

**Governmental Accounting Standards Board (GASB)** – National advisory board of accounting standards for public agencies. Identifies procedures, methods and standards for presenting the financial condition of public agencies.

**Hundred Cubic Feet (HCF)** – The base billing unit used to charge customers for water service, equal to one hundred cubic feet of water. Also used to express Customer Water Budget volumes.

**Infrastructure** – The accumulated pipelines, treatment plants and storage facilities of the District, including all meters, valves, pumps, filters and other appurtenances, whether constructed by the District or dedicated by private entities.

**Internal Service Funds** – Internal Service Funds are used to account for the financing of goods or services provided by one or more departments to other operating departments of the District on a cost reimbursement basis.

**Joint Powers Authority (JPA)** – A joint powers agreement between the District and Triunfo Sanitation District for the purpose of constructing, operating, maintaining and providing for the replacement of a joint sewer system.

**Liabilities** – Present obligations of the enterprise arising from past events.

**Line Item** – Expenditure classifications established to account for and budget the appropriations approved.

**Local Agency Investment Funds (LAIF)** – An investment fund established by the California State Treasurer for the benefit for public agencies. The District, per its investment policy may invest up to the maximum permitted under State law (California Government Code Section 16429.1).

**Maintenance** – The upkeep of physical properties in condition for use or occupancy. Examples are the inspection of equipment to detect defects and the making of repairs.

**Metropolitan Water District (MWD)** – A consortium of 26 cities and water districts that provides drinking water to nearly 18 million people in parts of Los Angeles, Orange, San Diego, Riverside, San Bernardino and Ventura counties.

**Municipal** – In its broadest sense, an adjective, which denotes the state and all subordinate units of government.

**Net Assets** – The excess of assets over liabilities, represents the cumulative effect of revenues and other financing sources over expenses and other financing uses.

**NPDES** – National Pollution Discharge Elimination System

**O&M** – Operations and Maintenance

**Obligations** – Amounts that a government may be legally required to meet out of its resources. They include not only actual liabilities, but also encumbrances not yet paid.

**Operating Expenses** – All costs associated with the day-to-day business of the District, which are not considered capital improvements or debt repayments.

**Operating Revenue** – Revenue generated from the day-to-day business of the District.

**Potable Water** – Water that is suitable for drinking.

**Projected** – An estimate of revenues and expenditures based on past trends, the present economic situation and future financial forecasts.

**Proposition 218** – The “Right to Vote on Taxes Act”. Limits the methods by which local governments can create or increase taxes, fees and charges without taxpayer consent. Proposition 218 requires taxpayer approval of property related assessments and fees.

**Proposition 50** – The Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002.

**Proprietary Fund** – A method of accounting for a government’s ongoing activities that is similar to those often found in the private sector.

**Public Employees Retirement System (PERS)** – An agent, multiple-employer, public retirement system to which the District contributes that acts as a common investment and administrative agent for participating public entities within the State of California.

**Pump Station** – Mechanical devices installed in sewer or water systems or other liquid-carrying pipelines that moves the liquids to a higher level.

**Recycled Water** – Treated wastewater of a quality suitable for nonpotable applications, such as landscape irrigation, decorative water features, and nonfood crops.

**Regional Water Quality Control Board (RWQCB)** – Statewide Regional Water Control Boards that work to preserve California water.

**Reserves** – An amount set aside in an account for future use.

**Reservoir** – A pond, lake, tank, or basin (natural or engineered) where water is collected and stored.

**Resolution** – A special or temporary order of a legislative body; an order to a legislative body requiring less legal formality than an ordinance or statute.

**Revenue** – An inflow of assets, not necessarily in cash, in exchange for services rendered.

**Revenue Bond** – A bond payable solely from net or gross non ad valorem tax revenues derived from general fund revenues, tax increment revenues, or tolls, charges or rents paid by users of the facility constructed with the proceeds of the bond issue.

**Right of Way** – A legal right of passage over another person’s ground.

**Sanitation Service** – The collection, treatment, reuse and disposal of wastewater.

**Sewage** – Word used interchangeably with wastewater.

**Standby Charge** – Fee collected for the maintenance and upkeep of the District’s Potable Water Infrastructure.

**Supervisory Control and Data Acquisition (SCADA)** – The Supervisory Control and Data Acquisition system collects operational data from remote units to monitor and control water and wastewater systems and facilities throughout the District service area.

**Tapia Effluent Alternatives (TEA)** – Study funded by the JPA to identify alternatives to effluent discharge into Malibu Creek.

**Title 22** – Title 22 of the California Code of Regulations sets state environmental health standards for potable and non-potable water. When “Title 22” is referenced in conjunction with reclaimed wastewater, this means a tertiary wastewater effluent that has been filtered and disinfected and meets California State Health Department standards for full human body contact.

**Total Maximum Daily Load (TMDL)** – The maximum amount of a given pollutant that a receiving body of water can assimilate without violating water quality standards.

**Wastewater** – Word used interchangeably with sewage. Any water that has come into contact with, or contains biological contaminants, particulate contaminants, or inorganic or organic solutes.

**Water Budget** – Same as Customer Water Budget.

**Water Reclamation Facility (WRF)** – A facility that controls and filters out raw sewage and water-treating both to meet standards set by state and federal guidelines for the discharge of the effluent into streams and rivers or for reuse, and for the proper disposal of the sludge.

**Water Treatment Plant (WTP)** – A facility that monitors and controls the quality of water, to include purity and turbidity as required by state and federal guidelines.

**Watershed** – A geographic area, surrounded by the highest ridgelines, which drains into a river, river system, or body of water.

**Working Capital** – The difference between current assets and current liabilities. Represents the amount available for operations or other expenditures.

# ACRONYMS

<b>ACWA</b>	Association of California Water Agencies
<b>AF</b>	Acre Feet
<b>AMMS</b>	Automated Maintenance Management System
<b>AMR/AMI</b>	Automated Meter Reading/Advanced Metering Infrastructure
<b>APWA</b>	American Public Works Association
<b>ASCE</b>	American Society of Civil Engineers
<b>AWA</b>	Association of Water Agencies of Ventura County
<b>AWWA</b>	American Water Works Association
<b>BMP</b>	Best Management Practice
<b>BNR</b>	Biological Nutrient Removal
<b>CAL-ARP</b>	California Accidental Release Program
<b>CALPERS</b>	California Public Employees Retirement System
<b>CASA</b>	California Association of Sanitations Agencies
<b>CCR</b>	Consumer Confidence Report
<b>CEQA</b>	California Environmental Quality Act
<b>CIP</b>	Capital Improvement Program
<b>CIS</b>	Customer Information System
<b>CIWMB</b>	California Integrated Waste Management Board
<b>COBRA</b>	Consolidated Omnibus Budget Reconciliation Act
<b>COP</b>	Certificates of Participation
<b>CPUC</b>	California Public Utilities Commission
<b>CUPA</b>	Certified Unified Program Agency
<b>CSMFO</b>	California Society of Municipal Finance Officers
<b>CWEA</b>	California Water Environment Association
<b>DCDA</b>	Double Check Detector Assembly
<b>DCS</b>	Distributed Control System
<b>DE</b>	Diatomaceous Earth
<b>DPH</b>	Department of Public Health
<b>DMP</b>	Digital Map Products
<b>DWR</b>	Department of Water Resources
<b>EAP</b>	Emergency Action Plan
<b>EPA</b>	United States Environmental Protection Agency
<b>ERU</b>	Equivalent Residential Unit
<b>FOG</b>	Fats, Oils and Grease disposal
<b>FSA</b>	Flexible Spending Allowance
<b>FTE</b>	Full Time Equivalent
<b>GAAP</b>	Generally Accepted Accounting Principles
<b>GASB</b>	Governmental Accounting Standards Board
<b>Geosmin/MIB</b>	Geosmin/Methylisoborneol
<b>GFOA</b>	Government Finance Officers Association
<b>GIS</b>	Geographical Information Systems
<b>GPCD</b>	Gallons Per Capita Per Day
<b>GPS</b>	Global Positioning System

<b>HAA5</b>	Haloacetic acids five
<b>HCF</b>	Hundred Cubic Feet
<b>HECW</b>	High Efficiency Clothes Washer
<b>HET</b>	High Efficiency Toilet
<b>HOA</b>	Home Owners Association
<b>HVAC</b>	Heating, Ventilation and Air Conditioning
<b>IIP</b>	Infrastructure Investment Plan
<b>IRP</b>	Integrated Resources Plan
<b>IRWMP</b>	Integrated Regional Water Management Plan
<b>JPA</b>	Joint Powers Authority
<b>JPIA</b>	Joint Powers Insurance Authority
<b>LAFCO</b>	Local Agency Formation Commission
<b>LAIF</b>	Local Agency Investment Fund
<b>LIMS</b>	Laboratory Information Management System
<b>LVMWD</b>	Las Virgenes Municipal Water District
<b>LVR</b>	Las Virgenes Reservoir
<b>LVUSD</b>	Las Virgenes Unified School District
<b>MCRC</b>	Malibu Creek Runoff Control Project
<b>MGD</b>	Million gallons per day
<b>MLSS</b>	Mixed Liquor Suspended Solids
<b>MOU</b>	Memorandum of Understanding
<b>MS4</b>	Municipal Separate Storm Sewer System
<b>MTBE/TOC</b>	Methyl Tertiary Butyl Ether/Total Organic Compound
<b>MWD</b>	Metropolitan Water District
<b>NGO</b>	Non Government Organization
<b>NPDES</b>	National Pollution Discharge Elimination System
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PERS</b>	Public Employees Retirement System
<b>PLC</b>	Programmable Logic Controller
<b>POWER</b>	Political Officials for Water and Environmental Reform
<b>PPA</b>	Power Purchase Agreement
<b>PVC</b>	Polyvinylchloride
<b>PW</b>	Potable Water
<b>RAS</b>	Return Activated Sludge
<b>RCPO</b>	Resource Conservation and Public Outreach
<b>RLV</b>	Rancho Las Virgenes
<b>RW</b>	Recycled Water
<b>RWPS</b>	Recycled Water Pump Station
<b>RWQCB</b>	Regional Water Quality Control Board
<b>SCADA</b>	Supervisory Control and Data Acquisition
<b>SCAP</b>	Southern California Association of Publicly-Owned Treatment Works
<b>SCAQMD</b>	South Coast Air Quality Management District
<b>SCE</b>	Southern California Edison
<b>SWRCB</b>	State Water Resources Control Board
<b>TEA</b>	Tapia Effluent Alternatives
<b>TMDL</b>	Total Maximum Daily Load

<b>TSD</b>	Triunfo Sanitation District
<b>TTHM</b>	Total trihalomethanes
<b>ULFT</b>	Ultra Low Flush Toilet
<b>UWMP</b>	Urban Water Management Plan
<b>VFD</b>	Variable Frequency Drive
<b>WBIC</b>	Weather Based Irrigation Controller
<b>WDR</b>	Waste Discharge Requirement
<b>WEF</b>	Water Environment Federation
<b>WRF</b>	Water Reclamation Facility
<b>WTP</b>	Water Treatment Plant

