

Triunfo Water & Sanitation District
FY2020 Budget Report
FY2019 Adopted Budget vs. FY2020 Proposed Budget
VRSD Contract Services Cost Analysis by Project

Potable Water (Continued)

Project 222203 – PW – Maintenance – Coatings & Linings

FY19: \$25,648 FY20: \$27,316 \$1,668 Increase (+7%)

This budget provides funding for coatings and corrosion control of water system related equipment, appurtenances and other facilities. This includes PRV stations, structures, tank sites, booster pumps stations, etc.

Cost Analysis: This cost increase is due to increased labor hourly rates.

Project 222300 – PW – Operations

FY19: \$338,682 FY20: \$349,658 \$10,866 Increase (+3%)

This budget provides funding for the overall Oak Park Water System operation, including staff, operating supplies, utilities, permit fees, and required sampling.

Cost Analysis: This cost increase is due to increased labor hourly rates. Additionally, 200 labor hours were reallocated to Project 222305.

Project 222300E – PW – Operations – Emergency Callouts

FY19: \$13,170 FY20: \$12,180 \$990 Decrease (-8%)

This budget pays for emergency call outs and overtime work, as required.

Cost Analysis: This cost decrease is due to adjustments made to labor hourly rates.

Project 222301 – PW – Operations – System Repairs

FY19: \$229,536 FY20: \$278,757 \$49,221 Increase (+21%)

This budget provides funding for the repair and maintenance of the water distribution system. Routine maintenance includes servicing valves, blow offs, air-vacs, and Cla-valves maintenance. This budget also covers the repair of leaks and line breaks.

Cost Analysis: This cost increase is due to increased labor hourly rates and the addition of \$60,000 for contractors to service line and water main leaks.

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Potable Water (Continued)

Project 222302 – PW – Operations – Customer Service

FY19: \$91,696 FY20: \$188,340 \$96,644 Increase (+105%)

This budget provides funding for all customer-related activities covered by the field staff. This includes: on-off meter reads for customers that are moving in and out of a residence, posting shut-off notices, investigating high bill inquiries, troubleshooting customer's water service when they have low water pressure, shut-off service for non-payment, and turning service back on when payment is made.

Cost Analysis: This cost increase is due to increased labor hourly rates and \$81,371 related to Aqua Metric contract services provided through VRSD. Aqua Metric was budgeted in FY19, but it was not budgeted as a contract service provided through VRSD.

Project 222302E – PW – Operations – Customer Service – Emergency Callouts

FY19: \$9,219 FY20: \$8,526 \$693 Decrease (-8%)

This budget pays for emergency call outs and overtime work as required.

Cost Analysis: This cost decrease is due to adjustments made to labor hourly rates.

Project 222303 – PW – Operations – Fire Hydrant

FY19: \$77,346 FY20: \$78,107 \$761 Increase (+1%)

This budget provides funding for fire hydrant maintenance. Work includes lubricating, exercising, and painting, the caps and valves. This budget also includes funding for 12 replacement hydrants that have exceeded their service life. During FY19, labor hours are budgeted for the maintenance of 320 hydrants.

Cost Analysis: This cost increase is due to increased labor hourly rates.

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Potable Water (Continued)

Project 222304 – PW – Operations – Anode Checks/Leak Protection

FY19: \$12,385 FY20: \$47,415 \$35,030 Increase (+283%)

This budget provides funding for inspection of potable water services in the system with a listening device to search for service line leaks. During FY20, labor hours are budgeted for 1,375 services to be tested. This is based on a 4 year repeating cycle. Leak detection programs are required by Senate Bill 555(h) and Executive Orders B-37-16 and B-40-16. It is anticipated that leak detection will become more stringent by the state in the future.

Cost Analysis: This cost increase includes 500 additional Water/Wastewater Helper hours to do the walking leak surveys. Due to new water loss requirements, this will be an ongoing cost.

Project 222305 – PW – Operations – Meter Replacement

FY19: \$11,871 FY20: \$30,975 \$19,104 Increase (+161%)

This budget provides funding for labor and supplies necessary to replace or test water meters and radios that are not working properly.

Cost Analysis: This cost increase is due to an increase in labor to respond to meter problems and to reflect actual budget costs. For FY20, 200 labor hours were reallocated from Project 222300.

Project 222307 – PW – Operations – Customer AMI Training

FY19: \$52,560 FY20: \$56,520 \$3,960 Increase (+8%)

This budget provides funding for staff to assist customers with understanding meters, utility billing, customer leak detection, and tracking consumption. It also provides for meter readings that are requested by the Finance Department.

Cost Analysis: This cost increase is due to increased labor hourly rates.

Triunfo Water & Sanitation District FY2020 Budget Report FY2019 Adopted Budget vs. FY2020 Proposed Budget VRSD Contract Services Cost Analysis by Project

Potable Water (Continued)

Project 222400 – PW – Engineering

FY19: \$88,125 FY20: \$86,375 \$1,750 Decrease (-2%)

This budget provides funding for an SCE efficiency study on the pumps, GIS updates to the TSD system, and general engineering support on small projects, as needed. The efficiency study is part of a 5-year cycle and will be completed during FY20.

Cost Analysis: This cost decrease includes a net reduction of 25 Water/Wastewater Operations Superintendent and Operations Manager labor hours and adjustments to labor hourly rates.

Project 222410 – Engineering – Savoy BPS Vault Project

FY19: N/A FY20: \$19,632 New Project Number

This budget provides funding for removal and replacement of the old sealant in the lid of the station and replacement of the seals in the pump hatches over the pumps. The project will also include power injection of cracks in the wall that are seeping ground water into the vault. It will also include installation of a dehumidifier in the vault to protect the electrical components in the vault. This is important because the main Edison power is located inside the vault with all of the controls and meter.

Cost Analysis: This will improve operation efficiency and reliability, reducing electrical costs and call outs.

Project 222411 – Engineering – Dive Inspections of all PW Tanks

FY19: N/A FY20: \$21,247 New Project Number

This budget provides funding for the Dive inspection company to preform inspections of Kilburn, Deerhill, Savoy, and Oak Canyon, reservoirs. It has been over six years since the last inspection was performed and the water board made a point of this during the last inspection. It is recommended that tanks are inspected every five years.

Cost Analysis: There will be no additional cost for this unless a problem is identified during the inspection.

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Potable Water (Continued)

Project 222412– Engineering – Savoy Tank Coating Rehab

FY19: N/A

FY20: \$51,530

New Project Number

This budget will provide funding to pressure wash and spot blast the tank, as needed. The last inspection showed some minor rust areas on the tank and on the ladder. This will address the overall appearance and spot repairs. This project will not include a complete recoating of the tank.

Cost Analysis: This is not expected to increase any ongoing costs. This is a one-time project.

Project 222413 – Engineering – Distribution System Pressure Station Evaluation and Design

FY19: N/A

FY20: \$25,201

New Project Number

This budget will provide funding to evaluate the water distribution system for locations to install pressure monitoring stations. This will assist operations with early detection of problems in the system and will also be used in data for the leak detection program. At the end of the study, staff will recommend a design and locations for a Capitol Improvement Project.

Cost Analysis: This is not expected to be an ongoing expense. It is a one-time project.

Project 222500 – PW – EPG – Potable Water

FY19: \$108,389

FY20: \$73,355

\$35,034 Decrease (-32%)

This budget provides funding for laboratory testing, continuing the update of the Urban Water Management Plan, and regulatory report preparation of the water system, as required by the Department of Public Health.

Cost Analysis: This cost decrease includes a \$40,250 decrease in contractor expense through VRSD Contract Services and a labor cost increase due to increased labor hourly rates.

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Potable Water (Continued)

Project 222501 – PW – EPG – OP Water Conservation

FY19: \$74,700

FY20: \$29,570

\$45,130 Increase (+60%)

This budget provides funding for the continued implementation of Oak Park Water's Water Waste Ordinance. This program is staffed to provide customer awareness only as necessary. The water conservation hotline provides customers with conservation information. This budget also includes staff time to conduct water surveys, to assist customers with water conservation at their homes, and to prepare updates to the Board regarding Oak Park Water's water use compared to conservation goals.

Cost Analysis: 500 hours have been removed at the direction of the TSWD General Manager. This will result in no active patrols to locate violations of the permanent Water Conservation Ordinance.

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Reclaimed Water

Project 223200 – RW – Maintenance

FY19: \$81,594 **FY20: \$72,837** **\$8,757 Decrease (-11%)**

This program encompasses all of the RW booster pump station and the mechanical and electrical equipment within the station. This program will assist staff with identifying potential problems and allow for repair of equipment before breakdown.

Cost Analysis: This cost decrease is due to decreased labor hourly rates. Additionally, labor hours have been decreased in anticipation of normal maintenance of the reclaimed water system during FY20.

Project 223300 – RW – Operations

FY19: \$75,980 **FY20: \$83,099** **\$7,119 Increase (+9%)**

This budget provides funding for the operation of the reclaimed water system. This includes meter reading, valve exercising, blow off and Cla-valve maintenance. Also included are reclaimed water audits and regulatory reporting.

Cost Analysis: This cost increase is due to increased labor hourly rates and \$1,889 related to Aqua Metric contract services provided through VRSD. Aqua Metric was budgeted in FY19, but it was not budgeted as a contract service provided through VRSD.

Project 223300E – RW – Operations – Emergency Callouts

FY19: \$3,841 **FY20: \$3,670** **\$171 Decrease (-4%)**

This budget pays for staff to respond to emergency situations in the reclaimed water system.

Cost Analysis: This cost decrease is due to adjustments made to labor hourly rates.

Triunfo Water & Sanitation District
FY2020 Budget Report
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VRSD Contract Services Cost Analysis by Project

Capital Projects

VRSD Contract Services are not currently budgeted within Capital Projects. Staff will present potential VRSD Contract Services related to Capital Projects to the TWSD Board for approval.



Las Virgenes – Triunfo Joint Powers Authority

**Las Virgenes – Triunfo
Joint Powers Authority**

Fiscal Year 2018-19
And
Fiscal Year 2019-20

Triunfo Sanitation District

Janna Orkney
Susan Pan
Michael Paule – Vice Chair
Raymond Tjulander
James Wall

Mark Norris – General Manager

Las Virgenes Municipal Water District

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

David Pedersen – General Manager

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



Las Virgenes – Triunfo Joint Powers Authority
4232 Las Virgenes Road, Calabasas, CA 91302
818.251.2100



DATE: June 4, 2018

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

On June 4, 2018, the Board adopted the Fiscal Year 2018-19 Budget and approved the Fiscal Year 2019-20 Budget Plan. The proposed Fiscal Year 2018-19 Operating Budget of \$17,064,399 represents a net increase of 2.21% over the Fiscal Year 2017-18 Budget, and the proposed Fiscal Year 2019-20 Budget of \$17,422,676 represents an increase of 2.10% over the Fiscal Year 2018-19 Budget. Labor cost represent the largest component of the increase to the operating budget. New capital appropriations of \$11,262,467 in Fiscal Year 2018-19 and \$8,552,820 in Fiscal Year 2019-20 provide resources necessary for the Pure Water Project Las Virgenes-Triunfo, as well as necessary facility maintenance to ensure the continued delivery of high-quality service.

During Fiscal Years 2018-20, 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 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.

Pure Water Project Las Virgenes-Triunfo: On August 1, 2016, the JPA Board approved a Basis of Design Report and identified Scenario No. 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 Years 2018-20:

- Initiating preliminary design and environmental review for Pure Water Project Las Virgenes-Triunfo;
- Completing a Title XVI Feasibility Study using grant funding provided by the U.S. Bureau of Reclamation;
- Engaging the Los Angeles Regional Water Quality Control Board and State Water Resources Control Board, Division of Drinking Water, in discussions on permit conditions;
- Completing the final design and starting construction of 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.

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

Joint Powers Authority
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Michael Paule
Vice Chair, Las Virgenes-Triunfo
Joint Powers Authority
Chair, Triunfo Sanitation District
Board of Directors

ITEM # 4

Investments in the Future: The proposed Fiscal Years 2018-20 Budget Plan also 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:

- Summer Season TMDL Compliance
- Tapia Process Air Improvements Project
- Various Tapia Rehabilitation Projects
- Digester No. 2 Rehabilitation at Rancho
- Cordillera Tank Rehabilitation

In summary, with certainty from the 2017 National Pollution Discharge Elimination System (NPDES) Permit for the Tapia Water Reclamation Facility, the JPA is positioned to address the permit requirements by effectively eliminating discharges to Malibu Creek, while creating a "locally sourced, locally treated, and locally consumed" water source. The budget provides for this solution with minimal changes to operating expenditures, ensuring 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,

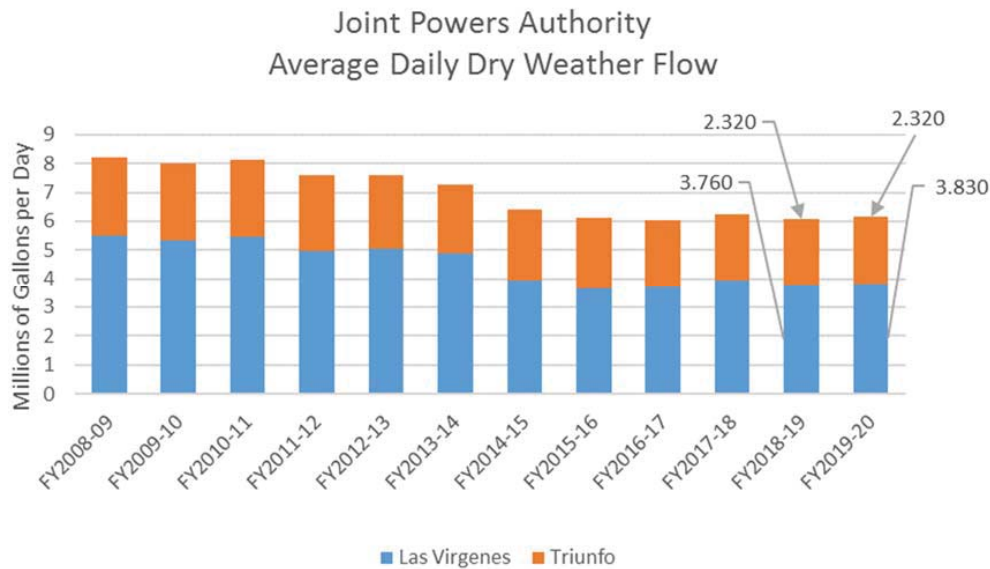


David W. Pedersen, P.E.
Administering Agent/General Manager

BUDGET OVERVIEW

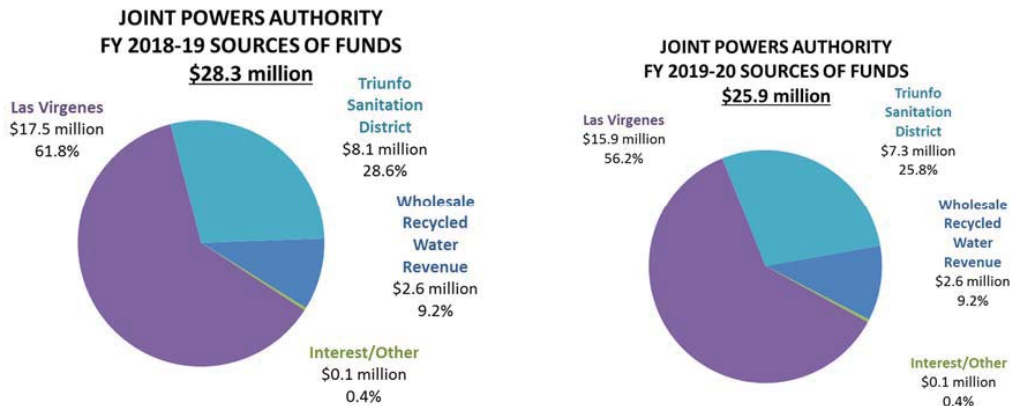
The following pages present an overview of the Fiscal Year 2018-20 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement.

The following graph shows the participant's sewage flows since FY 2008-09. The reduction in flows reflects low growth policies of cities within the watershed, 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 2018-20 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 2018-19 and FY 2019-20: LVMWD 39.4%; TSD 60.6%),
- Participants' reserve capacity rights in the treatment plant and recycled water system (FY 2018-19 and FY 2019-20: LVMWD 70.6%; TSD 29.4%),
- Participants' flow into the treatment plant (varies monthly – FY 2018-19: projected to be LVMWD 61.8%; TSD 38.2%, and FY 2019-20: projected to be LVMWD 62.3%; TSD 37.7%), or
- Equal shares by participants for audit and meter station expense.

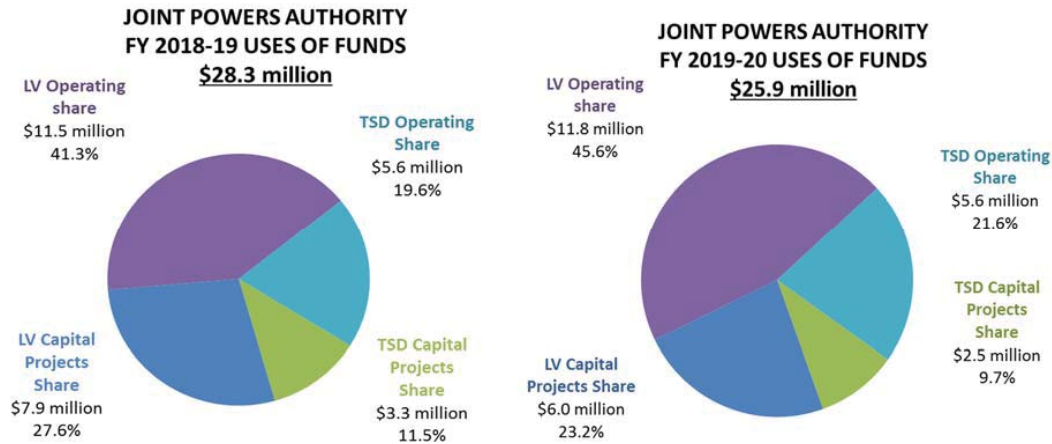
Because allocation of expense varies by type of expense, the overall percentage allocated to each participant changes from year to year. For FY 2018-19 the participant's contribution from Triunfo Sanitation District (TSD) decreased from \$4,761,155 to \$4,750,243, while Las Virgenes (LV) participant's contribution increased from \$9,360,748 to \$9,558,062. The change was caused by a decrease in expenses allocated based on reserve capacity rights in the trunk sewer which are 60.6% TSD and 39.4% LV as well as a decrease in expenses allocated by each participant's flow into the treatment plant which are 61.8% TSD and 38.2% LV. The total anticipated contribution from partners in FY 2018-19 is estimated to be \$0.4 million (2.21%) more than budgeted in FY 2017-18 for operations contribution and \$0.9 million (8.37%) more in capital projects contribution. For FY 2019-20, operations contribution is estimated to be \$0.3 million (2.15%) more than budgeted in FY2018-19 and \$2.7 million (26.07%) less in capital projects contribution.

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

	FY2015-16 ACTUAL	FY2016-17 ACTUAL	FY2017-18 BUDGET	FY2017-18 EST. ACTUAL	FY2018-19 BUDGET	FY2019-20 BUDGET
Operating Revenue						
Recycled Water Revenue						
Las Virgenes Municipal Water District	1,557,726	1,369,024	1,707,782	1,620,868	1,817,122	1,838,299
Triunfo Sanitation District	728,937	688,676	765,442	747,671	838,972	849,097
Total Recycled Water Revenue	2,286,663	2,057,700	2,473,224	2,368,539	2,656,094	2,687,396
MWD Incentive - Local Projects	-	-	-	-	-	-
Other	59,178	110,537	80,000	80,000	80,000	80,000
Total Operating Revenue	2,345,841	2,168,237	2,553,224	2,448,539	2,736,094	2,767,396
Interest & Other Revenue	33,063	45,010	20,000	20,000	20,000	20,000
Participant's Contribution						
Las Virgenes Municipal Water District						
Operations	7,623,145	8,483,081	9,360,748	8,941,283	9,558,062	9,810,461
Capital Projects	1,986,781	3,124,743	7,337,311	5,009,664	7,951,302	6,038,291
Total Las Virgenes	9,609,926	11,607,824	16,698,059	13,950,947	17,509,364	15,848,752
Triunfo Sanitation District						
Operations	3,917,234	4,058,695	4,761,155	4,030,378	4,750,243	4,824,819
Capital Projects	827,356	1,307,957	3,055,481	2,086,177	3,311,165	2,514,529
Total Triunfo	4,744,590	5,366,652	7,816,636	6,116,555	8,061,408	7,339,348
Total Sources of Funds	16,733,420	19,187,723	27,087,919	22,536,041	28,326,866	25,975,496

Use of Joint Powers Authority Funds

For operations and capital improvement projects, the use of funds in the proposed budget is \$28.3 million for FY 2018-19, and \$25.9 million for FY 2019-20, as shown below.



The proposed operating expenses for FY 2018-19 are approximately \$369,000 or 2.21% higher than the adopted budget for FY 2017-18. The main drivers for the increased operating expenses are projected increases of approximately: \$560,000 in allocated labor and support costs. These increases are offset by a projected decrease in capital outlay of \$238,000 that was budgeted last year for one-time capital outlay expenses. For FY 2019-20, operating expenses are \$358,000 more than budgeted in FY2018-19 primarily due to increased allocated labor and support costs.

The proposed capital improvement project (CIP) budget for FY 2018-19 is approximately \$0.9 million higher than the budget for FY2017-18. This variance is detailed in the capital improvement projects detailed listing and varies from year-to-year based on the approved CIP and the timing of project completion. For FY 2019-20, capital improvement projects budget is approximately \$1.8 million less than budgeted in FY 2018-19.

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

	FY2015-16 ACTUAL	FY2016-17 ACTUAL	FY2017-18 BUDGET	FY2017-18 EST. ACTUAL	FY2018-19 BUDGET	FY2019-20 BUDGET
Operating Expenses						
Las Virgenes Municipal Water District	9,303,649	9,974,396	11,179,772	10,684,072	11,503,865	11,778,363
Triunfo Sanitation District	4,615,634	4,780,627	5,515,354	4,756,128	5,560,534	5,644,313
Total Operating Expenses	13,919,283	14,755,023	16,695,126	15,440,200	17,064,399	17,422,676
Capital Projects						
Las Virgenes Municipal Water District	1,986,781	3,124,742	7,337,311	5,009,664	7,951,302	6,038,291
Triunfo Sanitation District	827,356	1,307,958	3,055,481	2,086,177	3,311,165	2,514,529
Total Capital Projects	2,814,137	4,432,700	10,392,792	7,095,841	11,262,467	8,552,820
Total Uses of Funds	16,733,420	19,187,723	27,087,918	22,536,041	28,326,866	25,975,496

Wholesale Recycled Water Rates

At the JPA meeting on June 6, 2011, the JPA board approved the current formula for determining the wholesale rate of recycled water charged to its two customers – Las Virgenes Municipal Water District and Triunfo Sanitation District. The formula bases the wholesale water rate on operating costs, administrative overhead for recycled water operations, and a depreciation expense for recycled water capital assets. The July 1, 2018 proposed wholesale rate for recycled water with pumping is \$474.80 per acre-foot, which is higher than the previous rate of \$423.13 per acre-foot. The July 1, 2019 proposed wholesale rate for recycled water with pumping is \$480.53 per acre-foot, which is higher than the previous rate of \$474.80 per acre-foot. For FY 2018-19 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$344.83 per acre-foot is an increase from \$311.96 per acre-foot in the prior year. For FY 2019-20 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$346.65 per acre-foot is an increase from \$344.83 per acre-foot in FY 2018-19.

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 Joint Powers Authority agreement, the general and administrative costs are distributed to the JPA based upon direct labor hours.

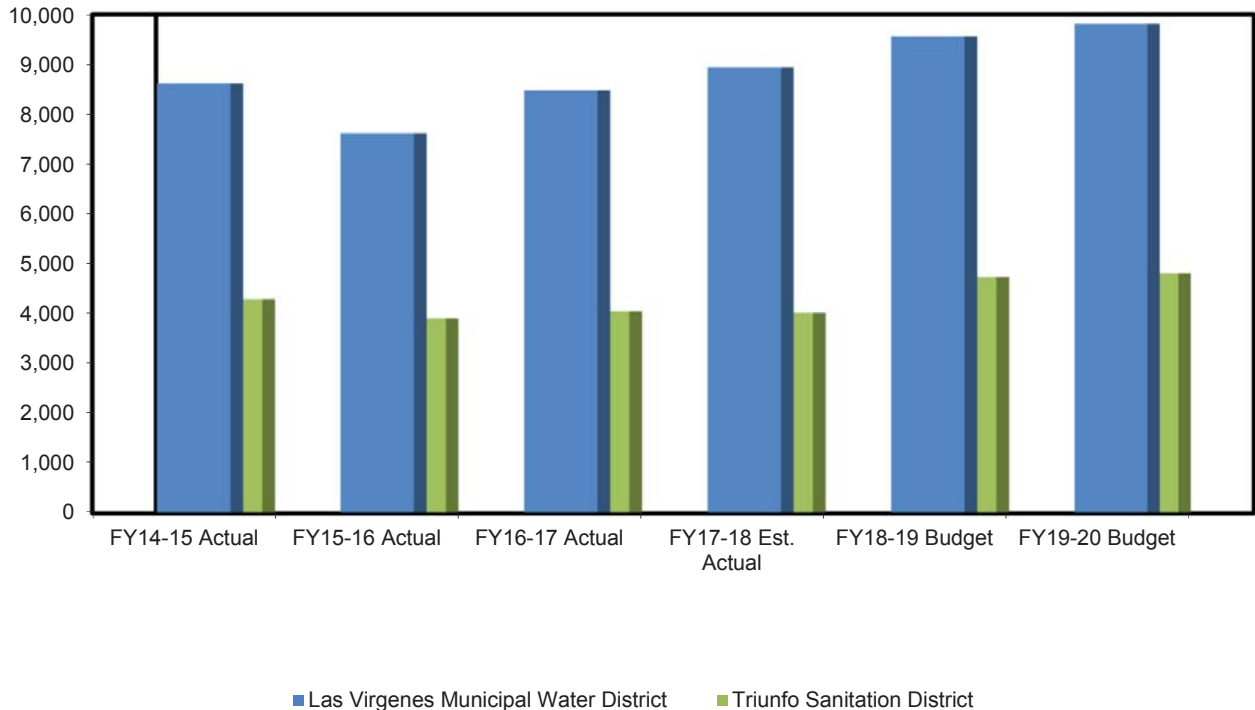
The FY 2018-19 Las Virgenes Municipal Water District budget for general and administrative expenses (otherwise known as Internal Services) is \$17.7 million. Of this total, \$7.11 million is allocated to the JPA based upon projected labor hours. For FY 2019-20, \$17.9 million total and \$7.26 allocated.

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)**

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
JPA Revenues	2,326	2,346	2,168	2,449	2,736	2,767
JPA Expenses	15,189	13,920	14,755	15,440	17,064	17,423
Net Operating Expense	12,863	11,574	12,587	12,991	14,328	14,656
Non-Operating Revenue (Expense)	(66)	34	45	20	20	20
Net Expenses	12,929	11,540	12,542	12,971	14,308	14,636
Las Virgenes Municipal Water District	8,624	7,623	8,483	8,941	9,558	9,811
Triunfo Sanitation District	4,305	3,917	4,059	4,030	4,750	4,825
Total Allocated Expenses	12,929	11,540	12,542	12,971	14,308	14,636



**FISCAL YEAR 2017-18 ESTIMATED ACTUAL
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS**

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	126,937	0	0	0	0	126,937
TREATMENT RECLAMATION	0	4,970,836	2,696,999	0	0	7,667,835
TREATMENT COMPOSTING	0	3,109,102	1,623,826	0	0	4,732,928
TREATMENT INJECTION	0	149,565	144,529	0	0	294,094
PUMP STATIONS	0	1,280,420	0	0	0	1,280,420
TANKS/RESERVOIR WELLS	0	75,601	0	0	0	75,601
SYSTEM OPERATION	0	26,084	0	0	0	26,084
WATER SYSTEM	0	120,664	0	0	0	120,664
ADMINISTRATIVE EXPENSES	0	1,107,303	0	3,495	0	1,110,798
TAPIA WAREHOUSE	0	4,840	0	0	0	4,840
REVENUES	0	(2,448,539)	0	0	(20,000)	(2,468,539)
TOTAL EXPENSES	126,937	8,395,875	4,465,354	3,495	(20,000)	12,971,661

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	46,078	53.1%	4,990,009	42.3%	1,888,845	25.0%	874	82.2%	(16,449)	53.3%	6,909,357
U-2 SANITATION DISTRICT	3.1%	3,935	17.5%	1,644,541	20.7%	924,328	25.0%	874	0.0%	0	19.8%	2,573,678
RECYCLED WATER FUND				(541,752)							-4.2%	(541,752)
LVMWD	39.4%	50,013	70.6%	6,092,798	63.0%	2,813,173	50.0%	1,748	82.2%	(16,449)	68.9%	8,941,283
TRIUNFO SANITATION DISTRICT	60.6%	76,924	29.4%	2,303,077	37.0%	1,652,181	50.0%	1,747	17.8%	(3,551)	31.1%	4,030,378
TOTAL ALLOCATION	100.0%	126,937	100.0%	8,395,875	100.0%	4,465,354	100.0%	3,495	100.0%	(20,000)	100.0%	12,971,661

GROUP

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

**JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
ESTIMATED ACTUAL FY 2017-18**

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.64	965	42.3%	6,501,892	<u>6,738</u>	50.1%
U-2 SANITATION DISTRICT	1.29	471	20.7%	2,439,391	<u>5,179</u>	18.8%
LVMWD	3.93	1,436	63.0%	8,941,283	<u>6,227</u>	68.9%
TRIUNFO SANITATION DISTRICT	2.31	843	37.0%	4,030,378	<u>4,781</u>	31.1%
TOTAL ALL PARTICIPANTS	6.24	2,279	100.0%	12,971,661	5,692	100.0%
RETURN FLOWS	1.36	498				
WESTLAKE WELLS	0.34	123				
	<u>7.95</u>	<u>2,900</u>				

FY 2018-19 and FY 2019-20 Budget

Joint Powers Authority
208

May 22, 2018

FISCAL YEAR 2018-19 OPERATING BUDGET
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
SEWER EXPENSE	145,224	0	0	0	0	145,224
TREATMENT RECLAMATION	0	5,770,074	2,875,654	0	0	8,645,728
TREATMENT COMPOSTING	0	3,488,005	1,827,857	0	0	5,315,862
TREATMENT INJECTION	0	168,334	149,994	0	0	318,328
PUMP STATIONS	0	1,340,876	0	0	0	1,340,876
TANKS/RESERVOIR WELLS	0	130,611	0	0	0	130,611
SYSTEM OPERATION	0	46,517	0	0	0	46,517
WATER SYSTEM	0	99,358	0	0	0	99,358
ADMINISTRATIVE EXPENSES	0	1,013,895	0	3,600	0	1,017,495
TAPIA WAREHOUSE	0	4,400	0	0	0	4,400
REVENUES	0	(2,736,093)	0	0	(20,000)	(2,756,093)
TOTAL EXPENSES	145,224	9,325,976	4,853,505	3,600	(20,000)	14,308,305
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	52,716	53.1%	5,401,022	40.6%	1,970,523	25.0%	900	82.2%	(16,449)	51.8%	7,408,712
U-2 SANITATION DISTRICT	3.1%	4,502	17.5%	1,779,998	21.2%	1,028,943	25.0%	900	0.0%	0	19.7%	2,814,343
RECYCLED WATER FUND				(664,993)							-4.6%	(664,993)
TOTAL LVMWD	39.4%	57,218	70.6%	6,516,027	61.8%	2,999,466	50.0%	1,800	82.2%	(16,449)	66.8%	9,558,062
TRIUNFO SANITATION DISTRICT	60.6%	88,006	29.4%	2,809,949	38.2%	1,854,039	50.0%	1,800	17.8%	(3,551)	33.2%	4,750,243
TOTAL ALLOCATION	100.0%	145,224	100.0%	9,325,976	100.0%	4,853,505	100.0%	3,600	100.0%	(20,000)	100.0%	14,308,305
	A		B		C		D		E		TOTAL	

GROUP

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

JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
FY 2018-19

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.47	902	40.6%	6,898,478	7,648	48.3%
U-2 SANITATION DISTRICT	1.29	472	21.2%	2,646,205	5,606	18.5%
LVMWD	3.76	1,374	61.8%	9,544,683	6,947	66.8%
TRIUNFO SANITATION DISTRICT	2.32	848	38.2%	4,744,578	5,595	33.2%
TOTAL ALL PARTICIPANTS	6.09	2,222	100.0%	14,289,261	6,431	100.0%
RETURN FLOWS	1.35	494				
WESTLAKE WELLS	0.28	101				
	7.72	2,817				

FISCAL YEAR 2019-20 OPERATING BUDGET
ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
SEWER EXPENSE	147,995	0	0	0	0	147,995
TREATMENT RECLAMATION	0	5,877,030	2,986,685	0	0	8,863,715
TREATMENT COMPOSTING	0	3,574,303	1,841,209	0	0	5,415,512
TREATMENT INJECTION	0	170,807	151,230	0	0	322,037
PUMP STATIONS	0	1,379,114	0	0	0	1,379,114
TANKS/RESERVOIR WELLS	0	133,191	0	0	0	133,191
SYSTEM OPERATION	0	47,592	0	0	0	47,592
WATER SYSTEM	0	101,209	0	0	0	101,209
ADMINISTRATIVE EXPENSES	0	1,003,771	0	3,700	0	1,007,471
TAPIA WAREHOUSE	0	4,840	0	0	0	4,840
REVENUES	0	(2,767,396)	0	0	(20,000)	(2,787,396)
TOTAL EXPENSES	147,995	9,524,461	4,979,124	3,700	(20,000)	14,635,280
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$				
U-1 SANITATION DISTRICT	36.3%	53,722	53.1%	5,506,417	41.3%	2,056,378	25.0%	925	82.2%	(16,449)	51.9%	7,600,993
U-2 SANITATION DISTRICT	3.1%	4,588	17.5%	1,814,733	21.0%	1,045,616	25.0%	925	0.0%	0	19.6%	2,865,862
RECYCLED WATER FUND				(656,394)							-4.5%	(656,394)
TOTAL LVMWD	39.4%	58,310	70.6%	6,664,756	62.3%	3,101,994	50.0%	1,850	82.2%	(16,449)	67.0%	9,810,461
TRIUNFO SANITATION DISTRICT	60.6%	89,685	29.4%	2,859,705	37.7%	1,877,130	50.0%	1,850	17.8%	(3,551)	33.0%	4,824,819
TOTAL ALLOCATION	100.0%	147,995	100.0%	9,524,461	100.0%	4,979,124	100.0%	3,700	100.0%	(20,000)	100.0%	14,635,280
	A		B		C		D		E		TOTAL	

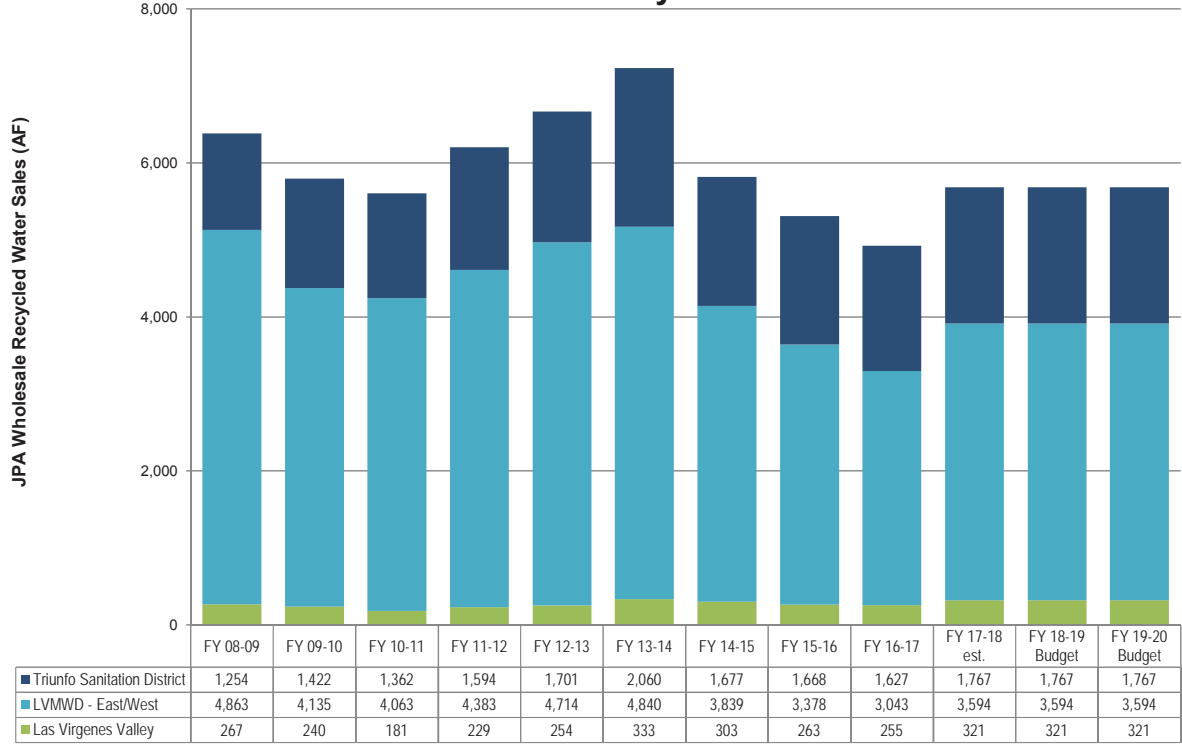
GROUP

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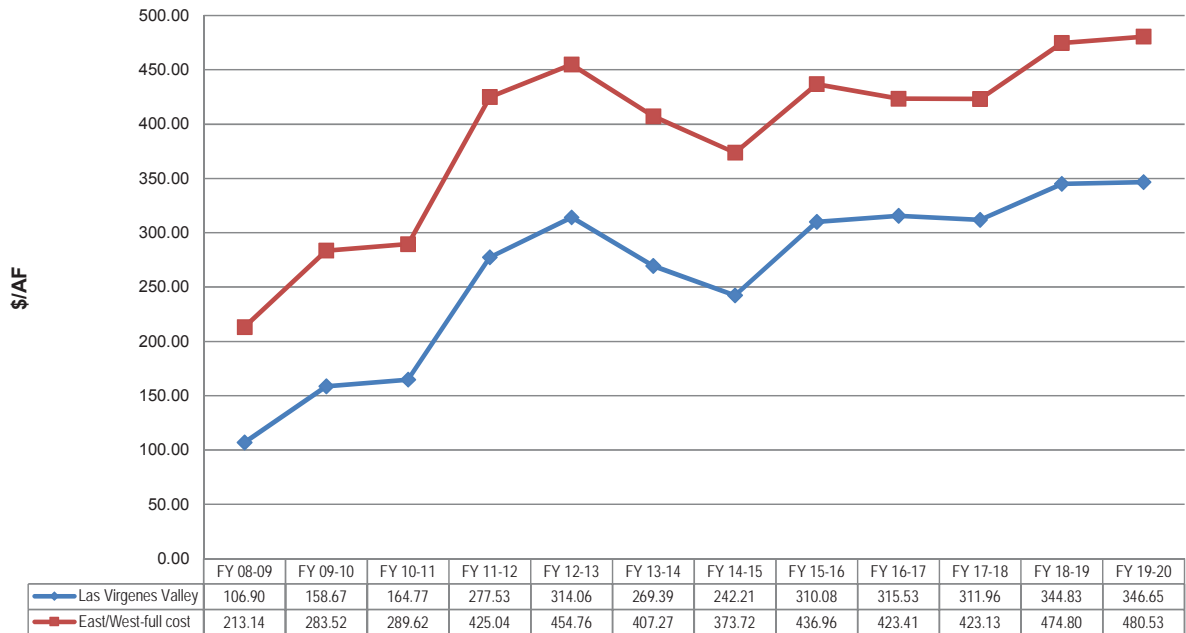
JOINT POWERS AUTHORITY
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION
FY 2019-20

PARTICIPANT	PROJECTED SEWAGE FLOWS			ALLOCATION OF TOTAL EXPENSES TO PARTICIPANTS		
	MILLION GALLONS PER DAY (MGD)	MILLION GALLONS PER YEAR (MG)	PERCENT BASED ON FLOWS	TOTAL EXP	\$ PER MG	%
	(A)	(B)	(C)	(D)	(D) / (B)	
U-1 SANITATION DISTRICT	2.54	928	41.3%	7,107,303	7,659	48.6%
U-2 SANITATION DISTRICT	1.29	471	21.0%	2,703,158	5,739	18.5%
LVMWD	3.83	1,399	62.3%	9,810,461	7,012	67.1%
TRIUNFO SANITATION DISTRICT	2.32	847	37.7%	4,824,819	5,696	32.9%
TOTAL ALL PARTICIPANTS	6.15	2,246	100.0%	14,635,280	6,516	100.0%
RETURN FLOWS	1.36	496				
WESTLAKE WELLS	0.30	109				
	7.81	2,851				

Annual JPA Wholesale Recycled Water Sales



JPA Wholesale Recycled Water rates



RW WHOLESALE RATE COMPUTATIONS

FY 2018-19 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,340,876	644,081	696,795	
Reservoirs	130,611	130,611		
System Operations	46,517	46,517		
Distribution	99,358	99,358		
RW Operations	<u>1,617,361</u>			
RW Ops/Total JPA Ops	9.5%			
Total JPA Admin	1,021,895			
RW Administration	96,855	96,855		
subtotal:Operations & Admin	<u>1,714,216</u>	<u>1,017,421</u>		
Depreciation FY16-17	941,916	941,916	-	
Total Cost	<u>\$ 2,656,132</u>	<u>\$ 1,959,337</u>	<u>\$ 696,795</u>	
Costs per Acre Foot		<u>\$ 344.83</u>	<u>\$ 129.97</u>	<u>\$ 474.80</u>

FY 2018-19 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	321	\$ 344.83 /AF	\$ 110,690.43
LVMWD East	1,443	\$ 474.80 /AF	\$ 685,136.40
LVMWD West	2,151	\$ 474.80 /AF	\$ 1,021,294.80
Total LVMWD	<u>3,915</u>		<u>\$ 1,817,121.63</u>
TSD	1,767	\$ 474.80 /AF	\$ 838,971.60
	<u>5,682</u>		<u>\$ 2,656,093.23</u>

RW WHOLESALE RATE COMPUTATIONS

FY 2019-20 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,379,114	661,409	717,705	
Reservoirs	133,191	133,191		
System Operations	47,592	47,592		
Distribution	101,209	101,209		
RW Operations	<u>1,661,106</u>			
RW Ops/Total JPA Ops	9.5%			
Total JPA Admin	1,012,311			
RW Administration	96,515	96,515		
subtotal:Operations & Admin	<u>1,757,622</u>	<u>1,039,917</u>		
Est. Depreciation FY17-18	929,736	929,736	-	
Total Cost	<u>\$ 2,687,358</u>	<u>\$ 1,969,653</u>	<u>\$ 717,705</u>	
Costs per Acre Foot		<u>\$ 346.65</u>	<u>\$ 133.88</u>	<u>\$ 480.53</u>

FY 2019-20 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	321	\$ 346.65 /AF	\$ 111,274.65
LVMWD East	1,443	\$ 480.53 /AF	\$ 693,404.79
LVMWD West	2,151	\$ 480.53 /AF	\$ 1,033,620.03
Total LVMWD	<u>3,915</u>		<u>\$ 1,838,299.47</u>
TSD	1,767	\$ 480.53 /AF	\$ 849,096.51
	<u>5,682</u>		<u>\$ 2,687,395.98</u>

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

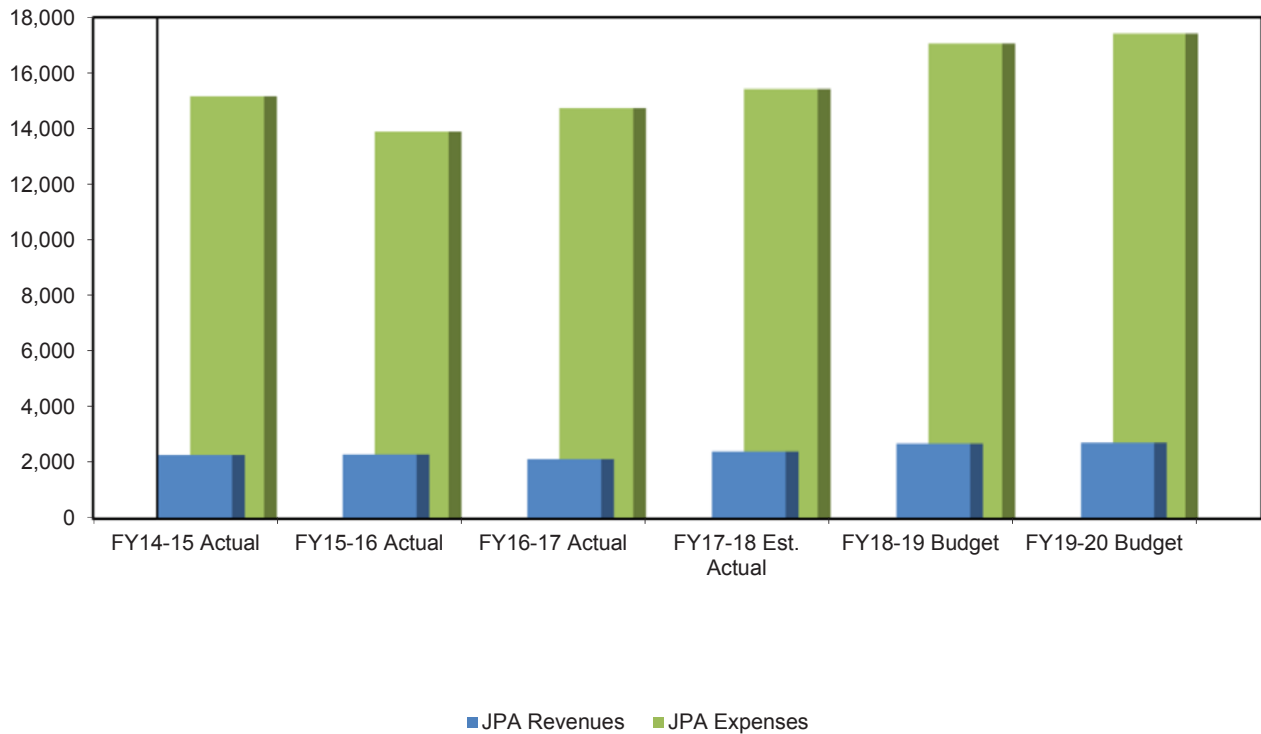
	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4235 RW Sales - LVMWD	\$1,508,136	\$1,557,726	\$1,369,024	\$1,707,782	\$1,620,868	\$1,817,122	\$1,838,299
4240 RW Sales - TSD	626,542	728,937	688,676	765,442	747,671	838,972	849,097
4245 MWD Incentive - Local Projects	100,331	0	0	0	0	0	0
4505 Other Income from Operations	54,523	41,954	96,197	65,000	65,000	65,000	65,000
4510 Compost Sales	36,698	17,224	14,161	15,000	15,000	15,000	15,000
TOTAL OPERATING REVENUES	\$2,326,230	\$2,345,841	\$2,168,058	\$2,553,224	\$2,448,539	\$2,736,093	\$2,767,396
SOURCE OF SUPPLY							
5115 Purchased Water - Potable Suppl	136,529	0	34,124	0	0	0	0
OPERATIONS DIVISION EXPENSE							
5400 Labor	1,833,291	1,814,962	1,986,771	1,935,364	1,951,367	2,206,257	2,263,114
5405.1 Electricity	2,547,058	2,227,083	2,101,399	2,470,770	2,382,756	2,438,504	2,509,986
5405.2 Telephone	21,501	31,564	52,977	25,488	46,524	41,998	43,228
5405.3 Natural Gas	23,294	17,631	21,443	16,631	16,914	20,789	21,413
5405.4 Water	11,141	7,022	7,956	9,725	9,662	8,808	9,066
5410 Supplies/Material	58,280	80,525	72,756	75,365	72,642	78,312	79,648
5410.1 Fuel	14,978	6,004	26,208	15,233	22,000	28,445	29,298
5410.5 Ferric Chloride	60,306	56,100	42,204	70,700	27,712	52,870	54,456
5410.6 Defoamer/Deodorant	5,990	0	6,082	0	7,079	4,000	4,120
5410.7 Polymer	114,821	81,706	120,588	119,247	120,000	105,705	108,876
5410.8 Amendment	181,136	200,344	142,893	195,000	89,570	120,000	123,600
5410.9 Alum	14,569	6,205	6,864	25,900	6,786	9,213	9,489
5410.10 Sodium Hypochlorite	243,406	150,971	212,248	160,000	150,792	202,208	208,274
5410.11 Sodium Bisulfite	150,059	110,119	77,498	130,000	102,964	112,559	115,936
5410.13 Aqua Ammonia	20,249	40,318	31,675	50,000	24,250	30,747	31,669
5415 Outside Services	42,275	46,961	57,168	50,097	47,000	57,500	58,400
5417 Odor Control	130,480	72,177	143,703	145,000	141,684	195,000	200,850
5420 Permits and Fee	188,358	181,108	193,347	191,945	170,571	187,765	191,295
5425 Consulting Services	11,582	948	0	170,000	96,859	69,177	4,302
5430 Capital Outlay	16,609	27,790	23,994	37,000	20,000	67,500	65,000
Sub-total	\$5,689,383	\$5,159,538	\$5,327,774	\$5,893,465	\$5,507,132	\$6,037,357	\$6,132,020
MAINTENANCE DIVISION EXPENSE							
5500 Labor	1,259,216	1,119,250	1,211,888	1,445,396	1,223,139	1,365,516	1,400,989
5510 Supplies/Material	532,159	585,576	396,570	484,164	388,060	483,500	483,500
5515 Outside Services	362,683	362,494	437,628	313,657	265,200	356,450	341,450
5518 Building Maintenance	108,602	96,566	88,631	116,840	110,000	116,000	116,000
5520 Permits and Fee	768	814	580	500	1,400	500	500
5525 Consulting Services	4,002	0	2,252	0	0	0	0
5530 Capital Outlay	23,670	31,622	45,774	293,640	213,000	25,500	95,000
Sub-total	\$2,291,100	\$2,196,322	\$2,183,323	\$2,654,197	\$2,200,799	\$2,347,466	\$2,437,439
INVENTORY EXPENSES							
5536 Inventory Adjustment	12,800	3,102	(2,393)	4,840	4,840	4,400	4,840
Sub-total	\$12,800	\$3,102	(\$2,393)	\$4,840	\$4,840	\$4,400	\$4,840
PUBLIC INFORMATION							
6602 School Education Program	10,509	9,290	22,535	11,975	20,484	19,770	20,971
6604 Public Education Program	39,331	57,663	70,275	71,835	59,980	67,668	67,722
6606 Community Group Outreach	1,184	220	1,182	6,525	3,594	5,990	6,028
6608 Intergovernmental Coordination	1,842	6,008	4,146	10,618	3,344	5,277	5,298
Sub-total	\$52,866	\$73,181	\$98,138	\$100,953	\$87,402	\$98,705	\$100,019
RESOURCE CONSERVATION							
6788 District Sprayfield	254,095	258,114	251,449	311,920	303,017	320,857	321,779
6789 005 Discharge	5,523	3,652	277	380	250	400	400
6785 Watershed Programs	27,504	4,370	60,773	89,474	26,382	46,429	46,594
Sub-total	\$287,122	\$266,136	\$312,499	\$401,774	\$329,649	\$368,196	\$369,290

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

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
SPECIALTY EXPENSES							
5700 SCADA Services	68,401	58,619	49,624	142,568	95,592	110,198	114,310
5710.2 Technical Services	1,090	1,228	0	332	0	638	646
5712 Compost Sales/Use Tax	4,549	3,721	2,922	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	147,489	168,185	141,224	153,562	93,894	152,286	156,855
5715.3 Tapia Lab Sampling	140,569	137,910	125,705	137,915	129,885	147,443	151,302
7202 Allocated Lab Expense	351,743	335,237	378,015	411,386	376,267	435,685	447,383
Sub-total	\$713,841	\$704,900	\$697,490	\$849,763	\$699,638	\$850,250	\$874,496
ADMINISTRATIVE EXPENSES							
6872 Litigation/Outside Services	219,268	106,211	83,990	50,000	25,000	25,000	25,000
6516 Other Professional Services	20,186	149,719	95,007	200,000	298,040	136,800	137,000
6517 Audit Fees	2,500	3,296	3,395	2,730	3,495	3,600	3,700
7110 Travel/Misc Staff Expense	54	138	248	0	0	0	0
7135.1 Property Insurance	55,181	55,132	56,955	59,073	56,347	58,038	59,779
7135.4 Earthquake Insurance	89,726	88,786	91,466	95,134	90,073	92,775	95,559
7145 Claims Paid	147,000	18,000	122,451	0	0	0	0
7153 TSD Staff Services	4,036	1,804	0	5,000	5,000	5,000	5,000
7155 Other Expense	0	0	54,029	0	0	0	0
6260 Rental Charge - Facility Repl	344,732	336,150	371,357	377,798	351,674	363,316	363,316
7203 Allocated Building Maint	88,082	95,945	83,651	97,010	97,010	107,102	88,804
7225 Allocated Support Services	3,432,606	3,288,672	3,528,201	4,218,645	3,779,639	4,465,585	4,606,605
7226 Allocated Operations Services	1,602,547	1,372,249	1,613,325	1,684,745	1,904,462	2,100,809	2,119,810
Sub-total	\$6,005,918	\$5,516,102	\$6,104,075	\$6,790,135	\$6,610,740	\$7,358,025	\$7,504,572
TOTAL EXPENSES	\$15,189,559	\$13,919,281	\$14,755,030	\$16,695,127	\$15,440,200	\$17,064,399	\$17,422,676
NET OPERATING EXPENSE	\$12,863,329	\$11,573,440	\$12,586,972	\$14,141,903	\$12,991,661	\$14,328,305	\$14,655,280

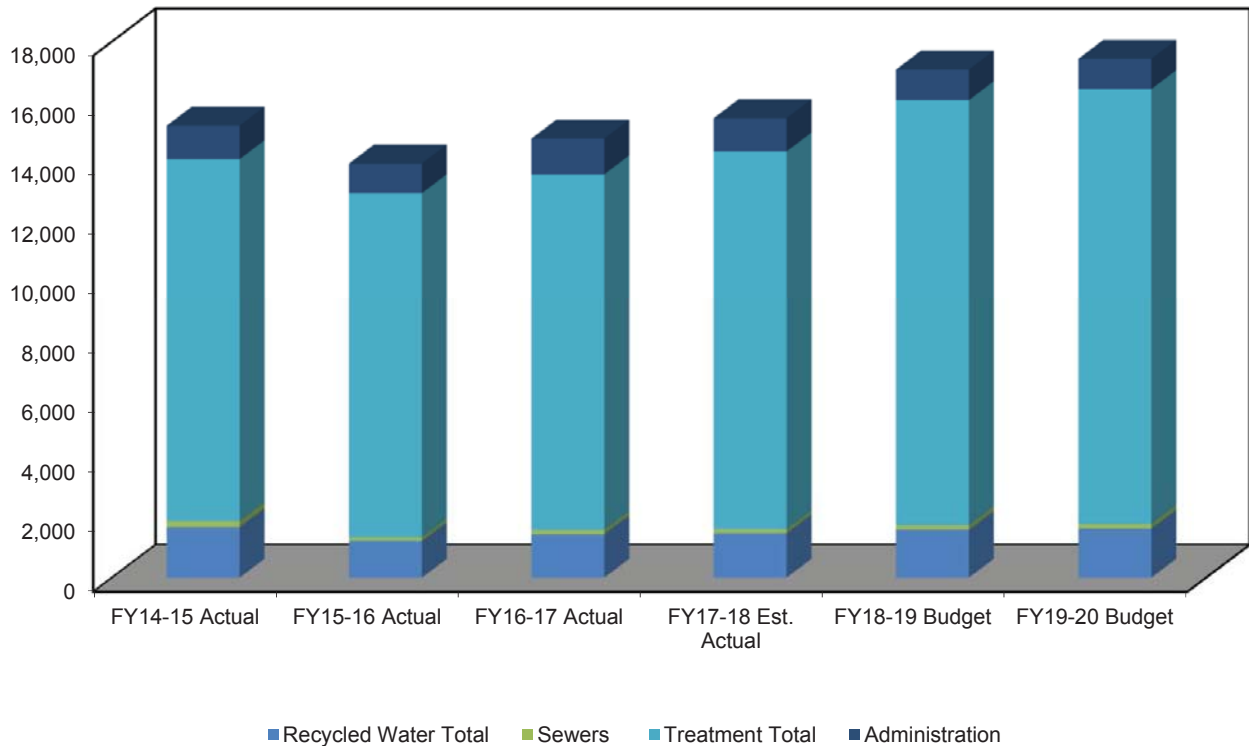
**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary
(Dollars in Thousands)**

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
JPA Revenues	2,326	2,346	2,168	2,449	2,736	2,767
JPA Expenses	15,189	13,920	14,755	15,440	17,064	17,423
Net Operating Expense	12,863	11,574	12,587	12,991	14,328	14,656



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

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Pump Stations	1,276	1,082	1,214	1,280	1,341	1,379
Tank, Res, Wells	295	70	117	75	131	133
System Ops	49	31	28	26	47	48
Distribution	93	55	113	121	99	101
Recycled Water Total	1,713	1,238	1,472	1,502	1,618	1,661
Sewers	195	119	135	127	145	148
Reclamation	7,528	7,158	7,192	7,668	8,646	8,864
Composting	4,308	4,173	4,463	4,733	5,316	5,416
Centrate Treatment	322	243	297	294	318	322
Treatment Total	12,158	11,574	11,952	12,695	14,280	14,602
Administration	1,123	989	1,196	1,116	1,021	1,012
Total JPA Operations	15,189	13,920	14,755	15,440	17,064	17,423



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 2018-19 and FY 2019-20 sales are projected at the same level as FY 2017-18.

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

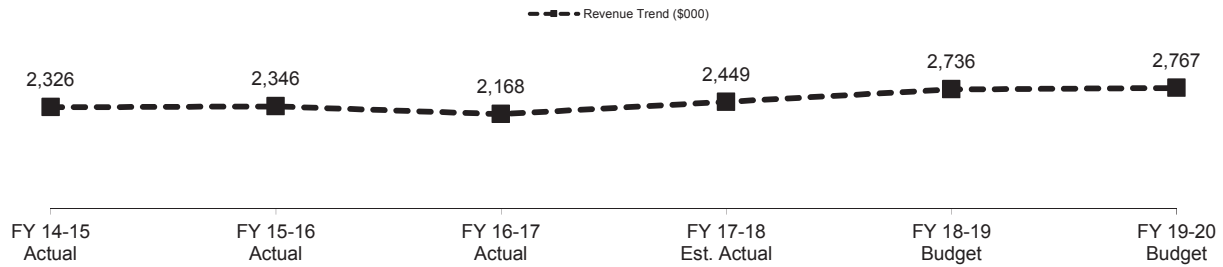
4245 MWD Incentive Local Projects – Funding from Metropolitan Water District to encourage reduction of potable water demand up to 700 af per year at \$154/af. The twenty-five (25) year agreement between the MWD and the JPA expired in November, 2014.

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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4235 RW Sales - LVMWD	\$1,508,136	\$1,557,726	\$1,369,024	\$1,707,782	\$1,620,868	\$1,817,122	\$1,838,299
4240 RW Sales - TSD	626,542	728,937	688,676	765,442	747,671	838,972	849,097
4245 MWD Incentive - Local Projects	100,331	0	0	0	0	0	0
4505 Other Income from Operations	54,523	41,954	96,197	65,000	65,000	65,000	65,000
4510 Compost Sales	36,698	17,224	14,161	15,000	15,000	15,000	15,000
TOTAL OPERATING REVENUES	\$2,326,230	\$2,345,841	\$2,168,058	\$2,553,224	\$2,448,539	\$2,736,093	\$2,767,396



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 FY18-19 or FY19-20.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

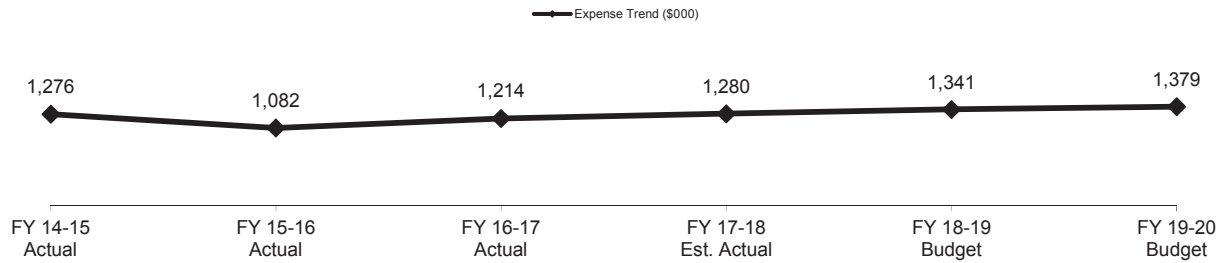
- 5400 Labor – Primarily labor hours worked by Water Treatment and Production and Water Reclamation personnel to operate and provide preventive maintenance to equipment and facilities at the various Joint Powers Authority pump stations.
- 5405.1 Energy – Energy costs for recycled water pump stations. Energy costs include electrical pumping charges from the Tapia plant (SCE), recycled water pump station electrical pumping charges (SCE), and the purchase of lower cost solar generated electricity from Solar City.
- 5410 Supplies/Materials – Funds to purchase supplies and materials used during annual preventive maintenance on JPA RW pump control valves.
- 5430 Funds to purchase Cla Val parts to rebuild pump control valves .

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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$38,232	\$29,500	\$32,759	\$31,462	\$32,127	\$37,282	\$38,222
5405.1 Electricity	1,049,230	964,611	975,191	1,018,073	1,100,000	1,133,000	1,167,000
5405.4 Water	0	0	161	0	250	0	0
5410 Supplies/Material	15,667	8,397	20,775	14,200	12,000	14,000	14,000
5415 Outside Services	4,072	6,745	4,923	5,000	0	0	0
5430 Capital Outlay	0	0	0	20,000	20,000	15,000	15,000
Sub-total	\$1,107,201	\$1,009,253	\$1,033,809	\$1,088,735	\$1,164,377	\$1,199,282	\$1,234,222
MAINTENANCE DIVISION EXPENSE							
5500 Labor	45,538	11,056	32,937	24,338	24,705	27,709	28,434
5510 Supplies/Material	7,599	1,013	45,414	7,917	2,000	7,000	7,000
5515 Outside Services	744	1,040	10,973	1,250	1,000	1,250	1,250
Sub-total	\$53,881	\$13,109	\$89,324	\$33,505	\$27,705	\$35,959	\$36,684
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	78,366	41,805	62,378	61,021	58,740	71,839	74,106
7226 Allocated Operations Services	36,585	17,445	28,523	24,370	29,598	33,796	34,102
Sub-total	\$114,951	\$59,250	\$90,901	\$85,391	\$88,338	\$105,635	\$108,208
TOTAL EXPENSES	\$1,276,033	\$1,081,612	\$1,214,034	\$1,207,631	\$1,280,420	\$1,340,876	\$1,379,114



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 FY18-19 or FY19-20.

SOURCE OF SUPPLY

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

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

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

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

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

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

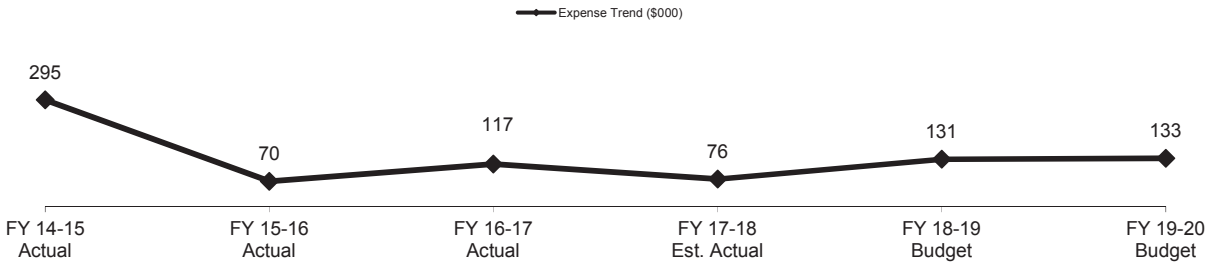
MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

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

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
SOURCE OF SUPPLY							
5115 Purchased Water - Potable Suppl	\$136,529	\$0	\$34,124	\$0	0	\$0	\$0
OPERATIONS DIVISION EXPENSE							
5400 Labor	21,817	8,712	10,863	15,356	10,217	17,275	17,715
5405.1 Electricity	16,968	17,508	16,025	17,765	17,000	17,500	18,000
5405.2 Telephone	801	1,163	1,343	1,096	1,000	1,000	1,000
5405.4 Water	0	0	133	0	80	0	0
5410 Supplies/Material	362	3,449	1,352	2,530	2,000	2,500	2,500
5415 Outside Services	14,300	7,425	23,500	9,997	17,000	25,000	25,000
5420 Permits and Fee	100	100	0	102	0	0	0
Sub-total	\$54,348	\$38,357	\$53,216	\$46,846	\$47,297	\$63,275	\$64,215
MAINTENANCE DIVISION EXPENSE							
5500 Labor	25,650	7,056	5,081	15,179	4,047	14,227	14,598
5510 Supplies/Material	9,602	381	18	0	0	0	0
5515 Outside Services	1,155	1,155	1,155	1,279	1,200	1,200	1,200
Sub-total	\$36,407	\$8,592	\$6,254	\$16,458	\$5,247	\$15,427	\$15,798
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	46,352	15,915	16,195	32,544	15,333	35,300	36,419
7226 Allocated Operations Services	21,639	6,642	7,405	12,997	7,724	16,608	16,759
Sub-total	\$67,991	\$22,557	\$23,600	\$45,541	\$23,057	\$51,909	\$53,178
TOTAL EXPENSES	\$295,275	\$69,506	\$117,194	\$108,845	\$75,601	\$130,611	\$133,191



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 FY18-19 or FY19-20.

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.

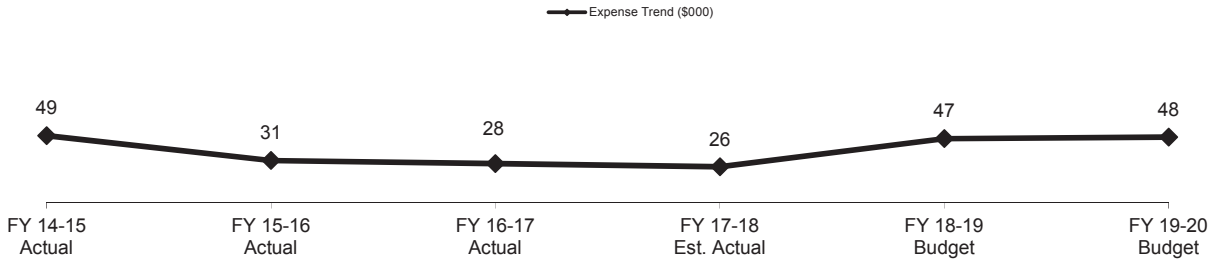
SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$16,490	\$9,290	\$11,093	\$9,623	\$7,315	\$14,714	\$15,044
5420 Permits and Fee	88	88	88	89	100	100	100
Sub-total	\$16,578	\$9,378	\$11,181	\$9,712	\$7,415	\$14,814	\$15,144
MAINTENANCE DIVISION EXPENSE							
5500 Labor	2,966	4,297	291	3,127	369	255	261
5510 Supplies/Material	591	0	0	1,015	0	1,000	1,000
Sub-total	\$3,557	\$4,297	\$291	\$4,142	\$369	\$1,255	\$1,261
SPECIALTY EXPENSES							
5700 SCADA Services	413	3,431	0	2,901	2,401	3,168	3,238
5710.2 Technical Services	0	0	0	332	0	0	0
Sub-total	\$413	\$3,431	\$0	\$3,233	\$2,401	\$3,168	\$3,238
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	19,209	9,537	11,601	16,021	10,572	18,552	19,141
7226 Allocated Operations Services	8,968	3,979	5,304	6,397	5,327	8,727	8,808
Sub-total	\$28,177	\$13,516	\$16,905	\$22,418	\$15,899	\$27,280	\$27,949
TOTAL EXPENSES	\$48,725	\$30,622	\$28,377	\$39,505	\$26,084	\$46,517	\$47,592



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 FY18-19 or FY19-20.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

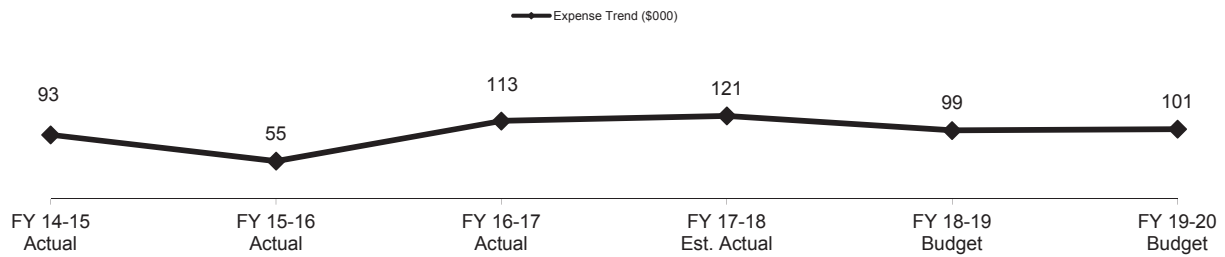
- 5400 Labor – Labor hours performed by Water Treatment and Production employees to perform preventive maintenance work associated with the recycled water distribution system. Preventive maintenance includes operating, testing, and overhauling recycled water main line valves, blow-offs, and air-vacuum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

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$1,580	\$937	\$484	\$3,443	\$919	\$1,292	\$1,324
5410 Supplies/Material	475	144	60	355	0	500	500
Sub-total	\$2,055	\$1,081	\$544	\$3,798	\$919	\$1,792	\$1,824
MAINTENANCE DIVISION EXPENSE							
5500 Labor	21,797	18,745	29,625	29,274	31,595	26,057	26,724
5510 Supplies/Material	3,156	3,600	5,689	4,060	4,060	4,000	4,000
5515 Outside Services	32,534	2,826	31,469	20,300	35,000	20,000	20,000
5520 Permits and Fee	768	814	580	500	1,400	500	500
Sub-total	\$58,255	\$25,985	\$67,363	\$54,134	\$72,055	\$50,557	\$51,224
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	22,269	19,509	30,934	33,648	31,712	31,972	32,984
7226 Allocated Operations Services	10,397	8,140	14,143	13,436	15,978	15,037	15,176
Sub-total	\$32,666	\$27,649	\$45,077	\$47,084	\$47,690	\$47,009	\$48,161
TOTAL EXPENSES	\$92,976	\$54,715	\$112,984	\$105,016	\$120,664	\$99,358	\$101,209



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 FY18-19 or FY19-20.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

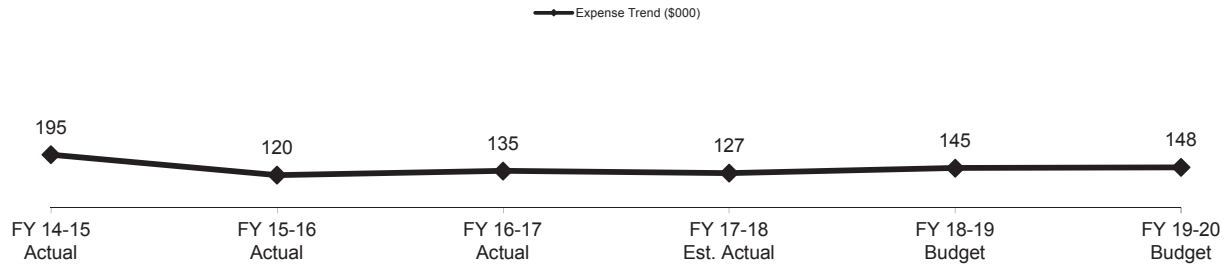
- 5400 Labor – Account used to accrue labor hours worked by Reclamation Treatment personnel for oversight of sewer system located within the Joint Powers Authority (U-1 Sanitation District) area.
- 5405 Utilities – These sub-accounts provide funds for the utilities used at the metering stations.
- 5420 Permits – Anticipated fees include County of Los Angeles pipeline rental fee and state water board permit fees .

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked by maintenance personnel in the Joint Powers Authority sewers located within the Joint Powers Authority (U-1 Sanitation District) area.
- 5510 Supplies/Materials – Items required by staff in maintaining the trunk sewer system. Increased funding is to replace manhole rings and covers.
- 5515 Outside Services – Funds to hire maintenance providers for emergency clean up and repairs, sewer flow monitoring, line cleaning and video inspection services.

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

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$0	\$0	\$535	\$0	\$185	\$221	\$227
5405.1 Electricity	313	312	293	353	350	350	350
5405.4 Water	0	0	0	203	0	200	200
5420 Permits and Fee	472	472	472	472	472	472	472
Sub-total	\$785	\$784	\$1,300	\$1,028	\$1,007	\$1,243	\$1,249
MAINTENANCE DIVISION EXPENSE							
5500 Labor	57,136	38,702	41,066	87,304	40,470	40,827	41,873
5510 Supplies/Material	5,469	1,533	286	2,749	1,000	2,500	2,500
5515 Outside Services	49,330	24,233	30,230	34,261	25,000	30,000	30,000
Sub-total	\$111,935	\$64,468	\$71,582	\$124,314	\$66,470	\$73,327	\$74,373
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	55,955	38,288	42,533	89,243	39,539	48,049	49,566
7226 Allocated Operations Services	26,123	15,975	19,449	35,640	19,921	22,605	22,807
Sub-total	\$82,078	\$54,263	\$61,982	\$124,883	\$59,460	\$70,654	\$72,373
TOTAL EXPENSES	\$194,798	\$119,515	\$134,864	\$250,225	\$126,937	\$145,224	\$147,995



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 FY18-19 or FY19-20.

OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by treatment personnel to operate and maintain the plant.
- 5410.10Sodium Hypochlorite – Usage expected to be at same levels.
- 5410.11Sodium Bisulfite – Usage contingent upon discharge flows to Malibu Creek.
- 5410.13Aqua 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. In FY17-18 \$68,450 was used for the WIMS system
- 5430 Capital Outlay – Funds for filter media replacement .

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.
- 5510 Supplies/Materials – Items required for staff for maintenance of plant facilities and equipment.
- 5515 Outside Services – Funding for repair and maintenance of mechanical equipment including generators, blowers and switchgears.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5525 Consulting Services – Funds for assistance in maintaining PLCs.
- 5530 Funds for switchgear preventative maintenance (\$20K) and actuator replacements (\$35K)).

EFFLUENT DISPOSAL LINE ITEM EXPLANATIONS

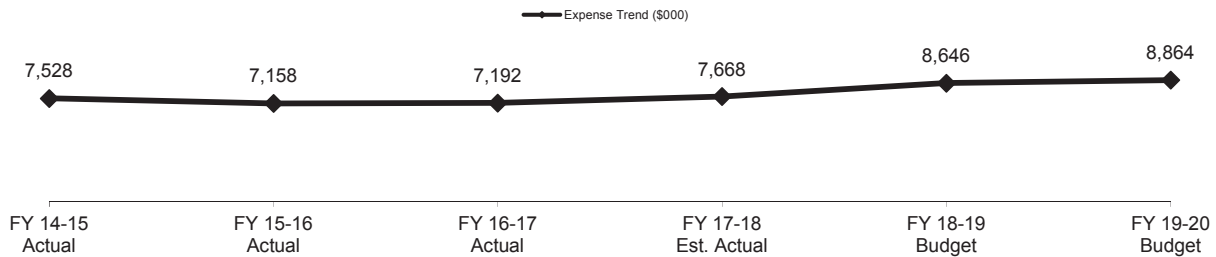
- 6788 District Sprayfields – Contractor, equipment, supply, and staff costs associated with maintaining farm fields, catch basins, roads, fences and equipment, disposing of effluent as needed due to permit requirements or distribution system upsets, and harvesting vegetation to remove nitrogen applied 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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$1,062,903	\$1,025,483	\$1,129,884	\$1,069,822	\$1,099,704	\$1,241,232	\$1,273,237
5405.1 Electricity	998,142	857,098	699,722	981,229	835,426	851,654	877,204
5405.2 Telephone	14,294	20,092	22,609	16,808	23,982	18,998	19,568
5405.3 Natural Gas	10,131	9,492	9,741	10,236	7,700	9,788	10,082
5405.4 Water	3,252	2,880	3,747	3,553	4,960	3,293	3,392
5410 Supplies/Material	17,275	40,885	20,786	32,480	32,000	34,000	35,020
5410.1 Fuel	7,161	2,147	18,979	6,500	20,000	20,000	20,600
5410.5 Ferric Chloride	60,306	56,100	42,204	70,700	27,712	52,870	54,456
5410.6 Defoamer/Deodorant	5,990	0	6,082	0	7,079	4,000	4,120
5410.9 Alum	14,569	6,205	6,864	25,900	6,786	9,213	9,489
5410.10 Sodium Hypochlorite	243,406	150,971	212,248	160,000	150,792	202,208	208,274
5410.11 Sodium Bisulfite	150,059	110,119	77,498	130,000	102,964	112,559	115,936
5410.13 Aqua Ammonia	20,249	40,318	31,675	50,000	24,250	30,747	31,669
5415 Outside Services	18,788	31,025	28,745	30,000	30,000	30,000	30,900
5417 Odor Control	35,616	25,122	41,963	45,000	42,000	45,000	46,350
5420 Permits and Fee	106,393	97,656	91,189	107,500	92,000	98,413	101,365
5425 Consulting Services	11,582	948	0	170,000	96,859	39,177	4,302
5430 Capital Outlay	16,609	27,790	23,994	15,000	0	52,500	50,000
Sub-total	\$2,796,725	\$2,504,331	\$2,467,930	\$2,924,728	\$2,604,214	\$2,855,652	\$2,895,964
MAINTENANCE DIVISION EXPENSE							
5500 Labor	582,571	571,656	604,558	640,147	638,081	687,057	704,929
5510 Supplies/Material	259,856	349,781	210,976	243,600	195,000	240,000	240,000
5515 Outside Services	151,912	194,471	205,253	137,000	110,000	137,000	137,000
5518 Building Maintenance	53,940	36,880	37,573	60,000	60,000	60,000	60,000
5530 Capital Outlay	0	19,488	9,774	75,000	75,000	5,500	55,000
Sub-total	\$1,048,279	\$1,172,276	\$1,068,134	\$1,155,747	\$1,078,081	\$1,129,557	\$1,196,929
EFFLUENT DISPOSAL							
6788 District Sprayfield	254,095	258,114	251,449	311,920	303,017	320,857	321,779
6789 005 Discharge	5,523	3,652	277	380	250	400	400
Sub-total	\$259,618	\$261,766	\$251,726	\$312,300	\$303,267	\$321,767	\$322,696
SPECIALTY EXPENSES							
5700 SCADA Services	58,344	42,939	46,631	92,963	71,987	87,858	91,618
5710.2 Technical Services	922	1,228	0	0	0	510	517
5715.2 Other Lab Services	136,041	154,359	135,739	138,040	88,042	142,033	146,294
5715.3 Tapia Lab Sampling	128,179	128,246	114,536	128,559	121,339	135,791	139,344
7202 Allocated Lab Expense	320,243	305,216	344,163	374,546	342,571	396,668	407,319
Sub-total	\$643,729	\$631,988	\$641,069	\$734,108	\$623,939	\$762,860	\$785,092
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	1,895,203	1,825,966	1,896,260	2,131,360	2,033,632	2,431,840	2,508,634
7226 Allocated Operations Services	884,799	761,913	867,096	851,171	1,024,702	1,144,052	1,154,400
Sub-total	\$2,780,002	\$2,587,879	\$2,763,356	\$2,982,531	\$3,058,334	\$3,575,892	\$3,663,034
TOTAL EXPENSES	\$7,528,353	\$7,158,240	\$7,192,215	\$8,109,414	\$7,667,835	\$8,645,728	\$8,863,715



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 FY18-19 or FY19-20.

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.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

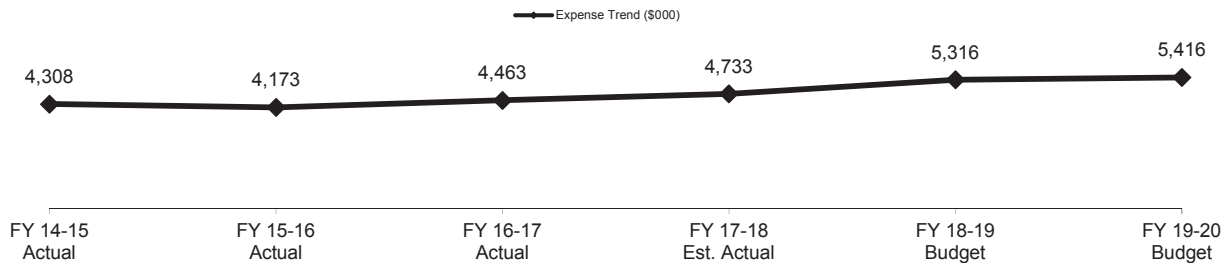
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services. Includes hours for RCPO staff to manage landscape contract.
- 5510 Supplies/Materials – Items required for staff to maintain plant facilities and equipment. FY16-17 budget includes funding to 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. In FY18-19 there are additional funds for SG maintenance.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5530 Capital Outlay – Funds for flooring replacement. In FY17-18 the funds were used for new gutter replacement.

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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$681,234	\$734,588	\$799,729	\$773,542	\$799,447	\$889,841	\$912,831
5405.1 Electricity	403,373	316,670	351,883	372,505	359,098	365,000	375,950
5405.2 Telephone	6,406	10,309	29,025	7,584	21,542	22,000	22,660
5405.3 Natural Gas	13,163	8,139	11,702	6,395	9,214	11,001	11,331
5405.4 Water	7,076	3,229	2,712	5,177	3,056	4,339	4,469
5410 Supplies/Material	24,501	26,985	28,982	25,800	25,760	26,823	27,628
5410.1 Fuel	5,012	1,761	7,229	4,898	0	4,667	4,807
5410.7 Polymer	114,821	81,706	120,588	119,247	120,000	105,705	108,876
5410.8 Amendment	181,136	200,344	142,893	195,000	89,570	120,000	123,600
5415 Outside Services	5,115	1,766	0	5,100	0	2,500	2,500
5417 Odor Control	94,864	47,055	101,740	100,000	99,684	150,000	154,500
5420 Permits and Fee	12,041	13,528	32,271	10,448	8,658	19,280	19,858
5430 Capital Outlay	0	0	0	2,000	0	0	0
Sub-total	\$1,548,742	\$1,446,080	\$1,628,754	\$1,627,696	\$1,536,029	\$1,751,156	\$1,769,010
MAINTENANCE DIVISION EXPENSE							
5500 Labor	498,274	461,803	459,605	610,791	451,902	541,694	555,759
5510 Supplies/Material	234,931	222,924	130,135	214,165	171,000	214,000	214,000
5515 Outside Services	104,651	122,568	134,053	101,804	81,000	150,000	135,000
5518 Building Maintenance	54,662	59,686	51,058	56,840	50,000	56,000	56,000
5525 Consulting Services	4,002	0	2,252	0	0	0	0
5530 Capital Outlay	23,670	12,134	36,000	179,040	138,000	20,000	40,000
Sub-total	\$920,190	\$879,115	\$813,103	\$1,162,640	\$891,902	\$981,694	\$1,000,759
SPECIALTY EXPENSES							
5700 SCADA Services	9,644	12,249	2,993	46,704	21,204	19,172	19,454
5710.2 Technical Services	168	0	0	0	0	128	129
5712 Compost Sales/Use Tax	4,549	3,721	2,922	4,000	4,000	4,000	4,000
5715.2 Other Lab Services	8,119	10,024	3,525	9,127	3,624	7,223	7,440
5715.3 Tapia Lab Sampling	706	846	769	221	295	621	638
7202 Allocated Lab Expense	10,500	10,007	11,284	12,280	11,232	13,006	13,355
Sub-total	\$33,686	\$36,847	\$21,493	\$72,332	\$40,355	\$44,150	\$45,016
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	1,230,826	1,277,948	1,372,144	1,691,661	1,505,874	1,726,596	1,781,118
7226 Allocated Operations Services	574,623	533,243	627,437	675,578	758,768	812,266	819,609
Sub-total	\$1,805,449	\$1,811,191	\$1,999,581	\$2,367,239	\$2,264,642	\$2,538,862	\$2,600,727
TOTAL EXPENSES	\$4,308,067	\$4,173,233	\$4,462,931	\$5,229,907	\$4,732,928	\$5,315,862	\$5,415,512



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 FY18-19 or FY19-20.

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..

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

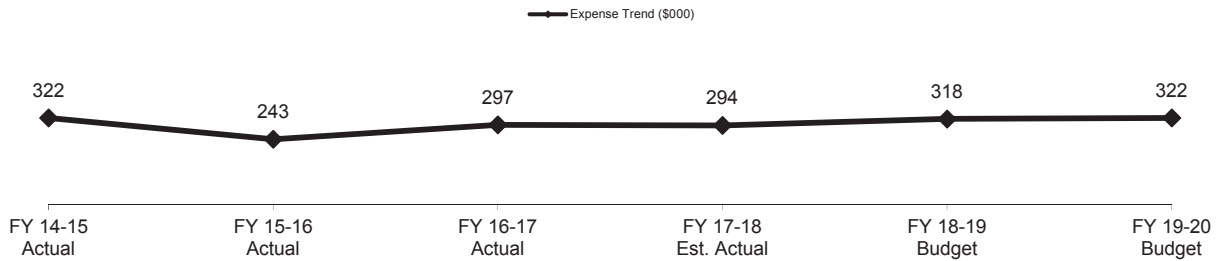
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.
- 5515 Outside Services – Funds to hire any maintenance providers required to assist in building maintenance such as janitor, alarms, trash collection, etc. Increased funding due to maintenance of equipment associated with centrate treatment. Other services include compressor maintenance, refuse disposal, pest control and security services.
- 5530 Capital Outlay – FY 17-18 funds were for a plug valve replacement, which is now a capital project.

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 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$8,986	\$6,452	\$0	\$25,005	\$0	\$3,701	\$3,797
5405.1 Electricity	79,032	70,884	58,285	80,845	70,882	71,000	71,482
5405.4 Water	813	913	1,203	792	1,316	976	1,005
5410 Supplies/Material	0	665	801	0	882	489	0
5410.1 Fuel	2,805	2,096	0	3,835	2,000	3,778	3,891
5420 Permits and Fee	69,264	69,264	69,327	73,334	69,341	69,500	69,500
Sub-total	\$160,900	\$150,274	\$129,616	\$183,811	\$144,421	\$149,444	\$149,675
MAINTENANCE DIVISION EXPENSE							
5500 Labor	25,284	5,935	38,725	35,236	31,970	27,690	28,411
5510 Supplies/Material	10,955	6,344	4,052	10,658	15,000	15,000	15,000
5515 Outside Services	22,357	16,201	24,495	17,763	12,000	17,000	17,000
5530 Capital Outlay	0	0	0	39,600	0	0	0
Sub-total	\$58,596	\$28,480	\$67,272	\$103,257	\$58,970	\$59,690	\$60,411
SPECIALTY EXPENSES							
5715.2 Other Lab Services	3,329	3,802	1,960	6,395	2,228	3,030	3,121
5715.3 Tapia Lab Sampling	11,684	8,818	10,400	9,135	8,251	11,031	11,320
7202 Allocated Lab Expense	21,000	20,014	22,568	24,560	22,464	26,011	26,709
Sub-total	\$36,013	\$32,634	\$34,928	\$40,090	\$32,943	\$40,072	\$41,150
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	45,450	22,151	44,433	77,719	38,408	47,008	48,489
7226 Allocated Operations Services	21,217	9,241	20,316	31,037	19,352	22,114	22,312
Sub-total	\$66,667	\$31,392	\$64,749	\$108,756	\$57,760	\$69,122	\$70,801
TOTAL EXPENSES	\$322,176	\$242,780	\$296,565	\$435,914	\$294,094	\$318,328	\$322,037



JOINT POWERS AUTHORITY

Administration – 751840

FUNCTION

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

SIGNIFICANT CHANGES

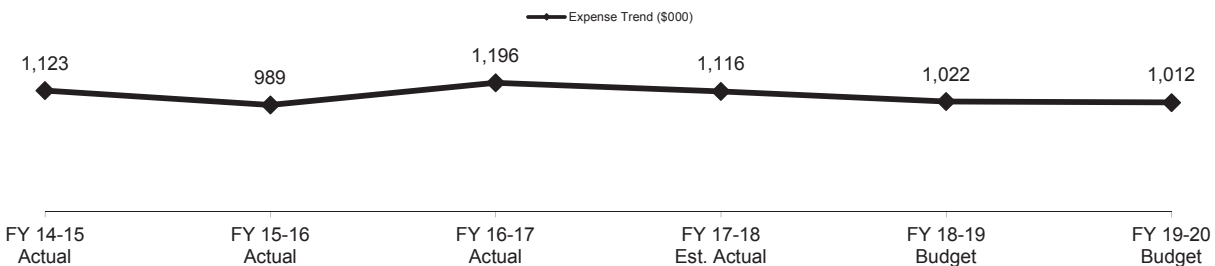
No significant changes are anticipated for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 5400 Labor – The costs for any labor hours worked on administrative function.
- 6602 School Education Program – Wastewater education initiatives, programs and tours. Also includes programs designed to accommodate home-school students.
- 6604 Public Education Program – Quarterly tours of Rancho/Tapia; Malibu Creek Watershed and regulatory issue outreach; JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc.
- 6606 Community Group Outreach – JPA related publications and community group outreach related to watershed stewardship and NPDES permit, and speaker's bureau expenses.
- 6608 Intergovernmental Coordination – Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies.
- 6785 Watershed Programs – Watershed Management: Staff participation and technical assistance managing water resources (primarily surface water quality) in the Malibu Creek and upper Los Angeles River watersheds. Also includes funding for Collaborative Research projects related to the Malibu Creek TMDL issue.
- 6872 Litigation – Outside Services – All litigation, settlements, attorney fees, court costs and legal costs for general litigation that are solely for the Joint Powers Authority.
- 6874 Litigation – District Costs – Costs for employee depositions, trial appearance, etc. for Joint Powers Authority lawsuit cases.
- 6516 Other Professional Services – Federal and State Regulatory Advocacy for securing funding and providing input on regulatory issues. In FY17-18 funds for Regulatory and permitting assistance from outside sources for the National Pollution Discharge Elimination System (NPDES) renewal for Tapia (\$50K). Funding for FY17-18 also includes Consulting Services for Expanded Solar Energy Generation Facility.
- 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.

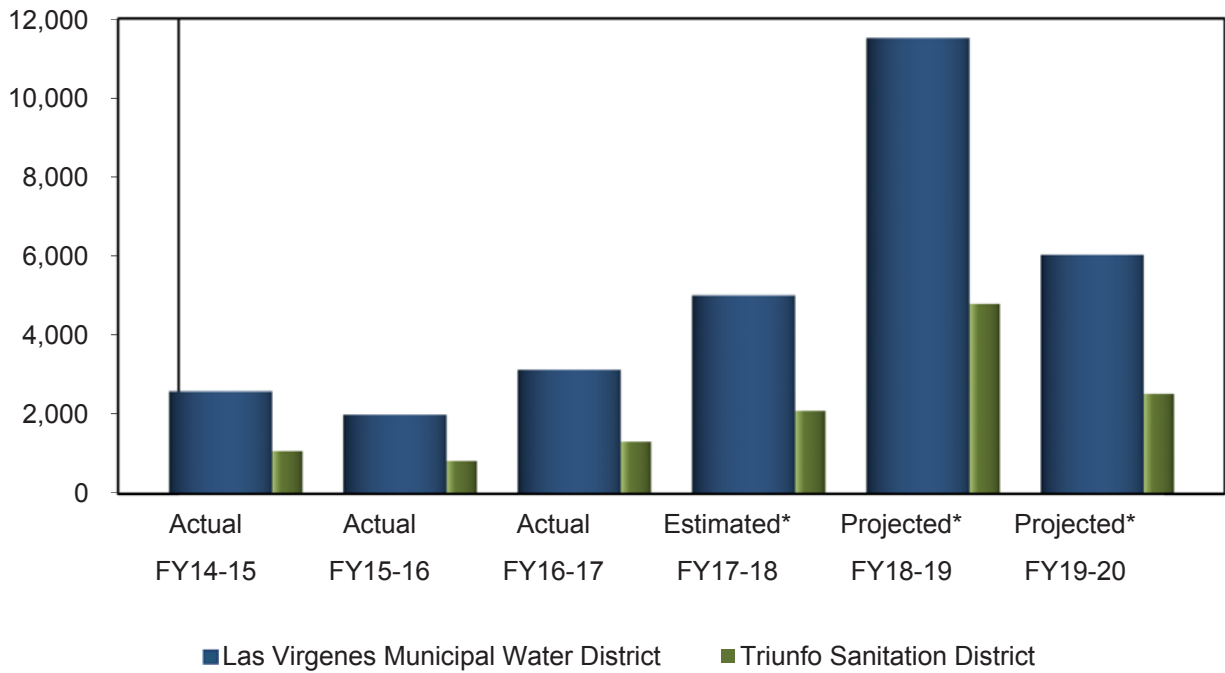
**Las Virgenes - Triunfo
Joint Powers Authority
Administration - 751840**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATIONS DIVISION EXPENSE							
5400 Labor	\$2,049	\$0	\$1,424	\$7,111	\$1,453	\$699	\$717
Sub-total	\$2,049	\$0	\$1,424	\$7,111	\$1,453	\$699	\$717
INVENTORY EXPENSES							
5536 Inventory Adjustment	12,800	3,102	(2,393)	4,840	4,840	4,400	4,840
Sub-total	\$12,800	\$3,102	(\$2,393)	\$4,840	\$4,840	\$4,400	\$4,840
PUBLIC INFORMATION							
6602 School Education Program	10,509	9,290	22,535	11,975	20,484	19,770	20,971
6604 Public Education Program	39,331	57,663	70,275	71,835	59,980	67,668	67,722
6606 Community Group Outreach	1,184	220	1,182	6,525	3,594	5,990	6,028
6608 Intergovernmental Coordination	1,842	6,008	4,146	10,618	3,344	5,277	5,298
Sub-total	\$52,866	\$73,181	\$98,138	\$100,953	\$87,402	\$98,705	\$100,019
RESOURCE CONSERVATION							
6785 Watershed Programs	27,504	4,370	60,773	89,474	26,382	46,429	46,594
Sub-total	\$27,504	\$4,370	\$60,773	\$89,474	\$26,382	\$46,429	\$46,594
ADMINISTRATIVE EXPENSES							
6872 Litigation/Outside Services	219,268	106,211	83,990	50,000	25,000	25,000	25,000
6516 Other Professional Services	20,186	149,719	95,007	200,000	298,040	136,800	137,000
6517 Audit Fees	2,500	3,296	3,395	2,730	3,495	3,600	3,700
7110 Travel/Misc Staff Expense	54	138	248	0	0	0	0
7135.1 Property Insurance	55,181	55,132	56,955	59,073	56,347	58,038	59,779
7135.4 Earthquake Insurance	89,726	88,786	91,466	95,134	90,073	92,775	95,559
7145 Claims Paid	147,000	18,000	122,451	0	0	0	0
7153 TSD Staff Services	4,036	1,804	0	5,000	5,000	5,000	5,000
7155 Other Expense	0	0	54,029	0	0	0	0
6260 Rental Charge - Facility Repl	344,732	336,150	371,357	377,798	351,674	363,316	363,316
7203 Allocated Building Maint	88,082	95,945	83,651	97,010	97,010	107,102	88,804
7225 Allocated Support Services	38,976	37,553	51,723	85,428	45,829	54,428	56,147
7226 Allocated Operations Services	18,196	15,671	23,652	34,119	23,093	25,603	25,836
Sub-total	\$1,027,937	\$908,405	\$1,037,924	\$1,006,292	\$995,561	\$871,662	\$860,141
TOTAL EXPENSES	\$1,123,156	\$989,058	\$1,195,866	\$1,208,670	\$1,115,638	\$1,021,895	\$1,012,311



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

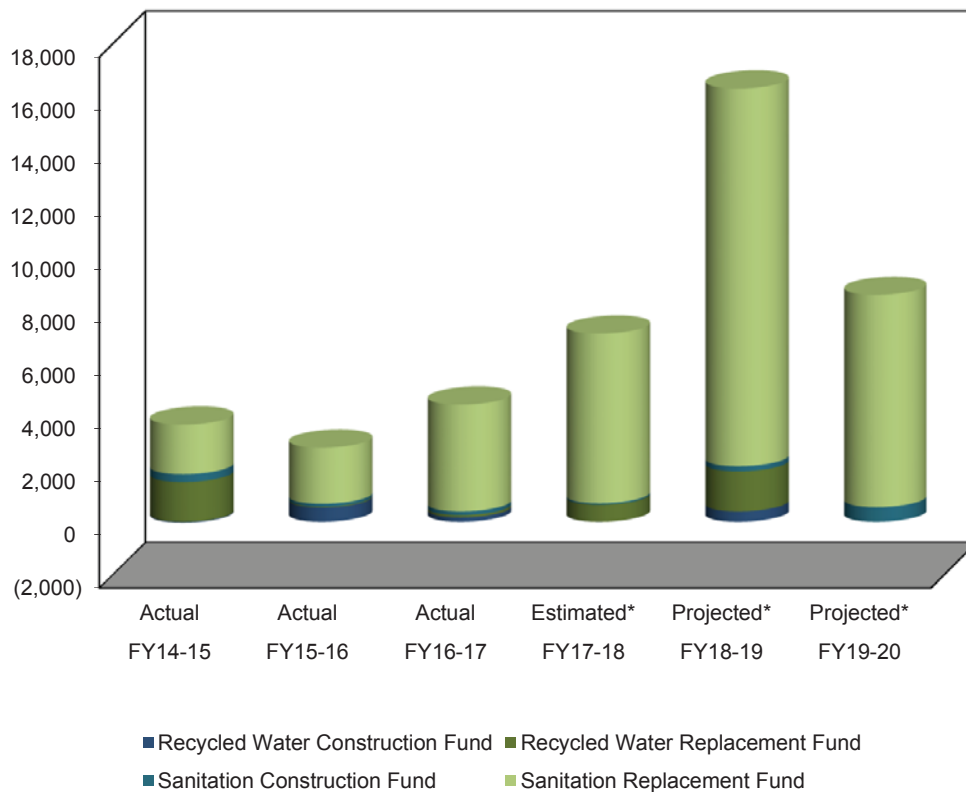
	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Estimated*	FY18-19 Projected*	FY19-20 Projected*
Las Virgenes Municipal Water District	2,582	1,987	3,125	5,010	11,509	6,038
Triunfo Sanitation District	1,075	827	1,308	2,086	4,793	2,515
	3,657	2,814	4,433	7,096	16,302	8,553



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

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

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Estimated*	FY18-19 Projected*	FY19-20 Projected*
Recycled Water Construction Fund	(25)	543	166	3	395	-
Recycled Water Replacement Fund	1,514	33	85	644	1,521	-
Sanitation Construction Fund	295	108	144	56	197	555
Sanitation Replacement Fund	1,873	2,130	4,038	6,393	14,189	7,998
	3,657	2,814	4,433	7,096	16,302	8,553



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

JPA Capital Improvement Projects Budget FY18-19 and FY19-20

Job #	Title	Project Status	Estimated Carryforward June 30, 2018	FY18-19 New Appropriations	FY18-19 Project Budget	FY19-20 New Appropriations
10564	Centrate Equalization Tank	Continuing	\$296,145	\$0	\$296,145	\$0
10565	Rancho Las Virgenes Digester Cleaning and Repair	Continuing	\$160,428	\$0	\$160,428	\$0
10567	Programmable Logic Controller Upgrades	Continuing	\$332,850	\$0	\$332,850	\$376,700
10608	Rancho Amendment Bin and Conveyance Modification Project	Continuing	\$187,574	\$1,260,000	\$1,447,574	\$0
10611	Tapia Duct Bank Infrastructure Upgrade	Continuing	\$66,000	\$94,000	\$160,000	\$0
10619	Summer Season 2013 TMDL Compliance	Continuing	\$50,240	\$440,000	\$490,240	\$2,220,000
10626	Process Air Improvements	Continuing	\$1,174,418	\$2,119,000	\$3,293,418	\$0
10629	Canyon Oaks Park RW Main Extension	Continuing	\$394,876	\$0	\$394,876	\$0
10635	Pure Water Project Las Virgenes-Triunfo	Continuing	\$618,781	\$3,900,000	\$4,518,781	\$3,500,000
10653	Tapia Rehab FY17-18	Continuing	\$1,459,851	\$556,600	\$2,016,451	\$0
10654	Hilton Foundation Solar Carport System	Continuing	\$298,605	\$0	\$298,605	\$0
10656	Rancho Reliability Improvements	Annual	\$0	\$100,000	\$100,000	\$100,000
10657	Tapia Water Reclamation Facility Reliability Improvements	Annual	\$0	\$100,000	\$100,000	\$100,000
10658	Tapia Sluice Gate and Drive Replacement	New	\$0	\$556,600	\$556,600	\$212,800
10661	A/B Bus Electrical Modification	New	\$0	\$100,000	\$100,000	\$0
10665	Cordillera Tank Rehabilitation	New	\$0	\$1,201,267	\$1,201,267	\$0
10666	Calabasas Park Recycled Water Main Extension	New	\$0	\$320,000	\$320,000	\$0
10667	Tapia Headworks White Room Floor Plate Repair and Steel Framing Replacement	New	\$0	\$55,000	\$55,000	\$0
10668	Rancho LV Storm Water Diversion Structure Replacement	New	\$0	\$30,000	\$30,000	\$0
10669	Develop Tour Seating Area at Tapia & Fish Tank Removal	New	\$0	\$25,000	\$25,000	\$0

JPA Capital Improvement Projects Budget FY18-19 and FY19-20

Job #	Title	Project Status	Estimated Carryforward June 30, 2018	FY18-19 New Appropriations	FY18-19 Project Budget	FY19-20 New Appropriations
10670	Centrate 20-Inch Valve Repair	New	\$0	\$150,000	\$150,000	\$0
10680	Rancho Las Virgenes Digester Cleaning and Repair	New	\$0	\$225,000	\$225,000	\$1,300,000
10682	Rancho Las Virgenes: FOG Receiving Facilities	New	\$0	\$30,000	\$30,000	\$0
60033	Pavement Restoration Rancho	New	\$0	\$0	\$0	\$533,320
201808	Tapia Effluent Pump Station 4160 V Feeder Relocation	New	\$0	\$0	\$0	\$100,000
201810	Tapia Tertiary Filters Rehabilitation	New	\$0	\$0	\$0	\$60,000
201814	Tapia Building Access Control	New	\$0	\$0	\$0	\$50,000
Total CIP Budget			\$5,039,768	\$11,262,467	\$16,302,235	\$8,552,820

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
EXPENDITURE LISTING by FUND
FY 2017-18 ESTIMATED ACTUAL**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
Recycled Water Conservation								
10629	Canyon Oaks Park RW Main Extension	\$2,967	100.0%	\$2,967	29.4%	\$872	70.6%	\$2,095
10650	Land Acquisition	\$2,100,000	0.0%	\$0	29.4%	\$0	70.6%	\$0
Total: Recycled Water Conservation				\$2,967		\$872		\$2,095
Recycled Water Replacement								
10540	Lost Hill Overpass Recycled Water Main Relocation	\$621,723	100.0%	\$621,723	29.4%	\$182,787	70.6%	\$438,936
10621	Recycled Water Tank Coating Evaluation and Repair	\$22,590	100.0%	\$22,590	29.4%	\$6,641	70.6%	\$15,949
Total: Recycled Water Replacement				\$644,313		\$189,428		\$454,885
Sanitation Construction								
10564	Centrate Equalization Tank	\$74,770	25.0%	\$18,693	29.4%	\$5,496	70.6%	\$13,197
10619	Summer Season 2013 TMDL Compliance	\$149,760	25.0%	\$37,440	29.4%	\$11,007	70.6%	\$26,433
10626	Process Air Improvements	\$304,035	0.0%	\$0	29.4%	\$0	70.6%	\$0
10650	Land Acquisition	\$2,100,000	0.0%	\$0	29.4%	\$0	70.6%	\$0
10652	Rancho Las Virgenes: FOG Receiving Facilities	\$0	20.0%	\$0	29.4%	\$0	70.6%	\$0
Total: Sanitation Construction				\$56,133		\$16,503		\$39,630
Sanitation Replacement								
10520	SCADA System Communication Upgrades	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10537	Raw Sludge Wet Well Mixing Improvements	\$472,105	100.0%	\$472,105	29.4%	\$138,799	70.6%	\$333,306
10564	Centrate Equalization Tank	\$74,770	75.0%	\$56,078	29.4%	\$16,487	70.6%	\$39,591
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$1,357,505	100.0%	\$1,357,505	29.4%	\$399,106	70.6%	\$958,399
10567	Programmable Logic Controller Upgrades	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10589	WIMS Software Implementation	\$0	100.0%	\$0	29.4%	\$0	70.6%	\$0
10597	Tapia Electrical and Instrumentation Upgrades	\$66,000	100.0%	\$66,000	29.4%	\$19,404	70.6%	\$46,596

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
EXPENDITURE LISTING by FUND
FY 2017-18 ESTIMATED ACTUAL**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS ALLOCATION			
					TSD SHARE		LVMWD SHARE	
					RATIO	AMOUNT	RATIO	AMOUNT
10608	Rancho Amendment Bin and Conveyance Modification Project	\$187,986	100.0%	\$187,986	29.4%	\$55,268	70.6%	\$132,718
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	\$149,760	75.0%	\$112,320	29.4%	\$33,022	70.6%	\$79,298
10626	Process Air Improvements	\$304,035	100.0%	\$304,035	29.4%	\$89,386	70.6%	\$214,649
10635	Pure Water Project Las Virgenes-Triunfo	\$911,836	100.0%	\$911,836	29.4%	\$268,080	70.6%	\$643,756
10641	Tapia Lighting Efficiency Upgrade	\$469,920	100.0%	\$469,920	29.4%	\$138,156	70.6%	\$331,764
10643	Rancho Reliability Improvements FY 17-18	\$132,000	100.0%	\$132,000	29.4%	\$38,808	70.6%	\$93,192
10646	Tapia Water Reclamation Facility Reliability Improvements FY	\$132,000	100.0%	\$132,000	29.4%	\$38,808	70.6%	\$93,192
10650	Land Acquisition	\$2,100,000	100.0%	\$2,100,000	29.4%	\$617,400	70.6%	\$1,482,600
10652	Rancho Las Virgenes: FOG Receiving Facilities	\$0	80.0%	\$0	29.4%	\$0	70.6%	\$0
10653	Tapia Rehab FY17-18	\$89,249	100.0%	\$89,249	29.4%	\$26,239	70.6%	\$63,010
10654	Hilton Foundation Solar Carport System	\$1,395	100.0%	\$1,395	29.4%	\$410	70.6%	\$985
Total: Sanitation Replacement				\$6,392,429	\$1,879,374	\$4,513,055		
GRAND TOTAL				\$7,095,841	\$2,086,177	\$5,009,664		

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
WORKING CAPITAL REQUIREMENT by FUND
FY 2018-19**

WORK ORDER NO.	PROJECT NAME/FUND	FY 2018-19 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2018-19 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE		
					RATIO	AMOUNT	
Recycled Water Conservation							
10629	Canyon Oaks Park RW Main Extension	\$394,876	100.0%	\$394,876	29.4%	\$116,094	\$278,782
Total: Recycled Water Conservation				\$394,876		\$116,094	\$278,782
Recycled Water Replacement							
10665	Cordillera Tank Rehabilitation	\$1,201,267	100.0%	\$1,201,267	29.4%	\$353,172	\$848,095
10666	Calabasas Park Recycled Water Main Extension	\$320,000	100.0%	\$320,000	29.4%	\$94,080	\$225,920
Total: Recycled Water Replacement				\$1,521,267		\$447,252	\$1,074,015
Sanitation Construction							
10564	Centrate Equalization Tank	\$296,145	25.0%	\$74,036	29.4%	\$21,767	\$52,270
10619	Summer Season 2013 TMDL Compliance	\$490,240	25.0%	\$122,560	29.4%	\$36,033	\$86,527
10626	Process Air Improvements	\$3,293,418	0.0%	\$0	29.4%	\$0	\$0
Total: Sanitation Construction				\$196,596		\$57,799	\$138,797
Sanitation Replacement							
10564	Centrate Equalization Tank	\$296,145	75.0%	\$222,109	29.4%	\$65,300	\$156,809
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$160,428	100.0%	\$160,428	29.4%	\$47,166	\$113,262
10567	Programmable Logic Controller Upgrades	\$332,850	100.0%	\$332,850	29.4%	\$97,858	\$234,992
10608	Rancho Amendment Bin and Conveyance Modification Project	\$1,447,574	100.0%	\$1,447,574	29.4%	\$425,587	\$1,021,987
10611	Tapia Duct Bank Infrastructure Upgrade	\$160,000	100.0%	\$160,000	29.4%	\$47,040	\$112,960
10619	Summer Season 2013 TMDL Compliance	\$490,240	75.0%	\$367,680	29.4%	\$108,098	\$259,582
10626	Process Air Improvements	\$3,293,418	100.0%	\$3,293,418	29.4%	\$968,265	\$2,325,153
10635	Pure Water Project Las Virgenes-Triunfo	\$4,518,781	100.0%	\$4,518,781	29.4%	\$1,328,522	\$3,190,259
10653	Tapia Rehab FY17-18	\$2,016,451	100.0%	\$2,016,451	29.4%	\$592,837	\$1,423,614

FY 2018-19 and FY 2019-20 Budget

Joint Powers Authority
244

May 22, 2018

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
WORKING CAPITAL REQUIREMENT by FUND
FY 2018-19**

WORK ORDER NO.	PROJECT NAME/FUND	FY 2018-19 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2018-19 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE		
					RATIO	AMOUNT	
10654	Hilton Foundation Solar Carport System	\$298,605	100.0%	\$298,605	29.4%	\$87,790	\$210,815
10656	Rancho Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
10657	Tapia Water Reclamation Facility Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
10658	Tapia Sluice Gate and Drive Replacement	\$556,600	100.0%	\$556,600	29.4%	\$163,640	\$392,960
10661	A/B Bus Electrical Modification	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
10667	Tapia Headworks White Room Floor Plate Repair and Steel Fr	\$55,000	100.0%	\$55,000	29.4%	\$16,170	\$38,830
10668	Rancho LV Storm Water Diversion Structure Replacement	\$30,000	100.0%	\$30,000	29.4%	\$8,820	\$21,180
10669	Develop Tour Seating Area at Tapia & Fish Tank Removal	\$25,000	100.0%	\$25,000	29.4%	\$7,350	\$17,650
10670	Centrate 20-Inch Valve Repair	\$150,000	100.0%	\$150,000	29.4%	\$44,100	\$105,900
10680	Rancho Las Virgenes Digester Cleaning and Repair	\$225,000	100.0%	\$225,000	29.4%	\$66,150	\$158,850
10682	Rancho Las Virgenes: FOG Receiving Facilities	\$30,000	100.0%	\$30,000	29.4%	\$8,820	\$21,180
Total: Sanitation Replacement				\$14,189,496	\$4,171,712	\$10,017,784	
GRAND TOTAL				\$16,302,235	\$4,792,857	\$11,509,378	

**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
CAPITAL IMPROVEMENT PROJECTS
WORKING CAPITAL REQUIREMENT by FUND
FY 2019-20**

WORK ORDER NO.	PROJECT NAME/FUND	FY 2019-20 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2019-20 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE		
					RATIO	AMOUNT	
Sanitation Construction							
10619	Summer Season 2013 TMDL Compliance	\$2,220,000	25.0%	\$555,000	29.4%	\$163,170	\$391,830
Total: Sanitation Construction				\$555,000		\$163,170	\$391,830
Sanitation Replacement							
10567	Programmable Logic Controller Upgrades	\$376,700	100.0%	\$376,700	29.4%	\$110,750	\$265,950
10619	Summer Season 2013 TMDL Compliance	\$2,220,000	75.0%	\$1,665,000	29.4%	\$489,510	\$1,175,490
10635	Pure Water Project Las Virgenes-Triunfo	\$3,500,000	100.0%	\$3,500,000	29.4%	\$1,029,000	\$2,471,000
10656	Rancho Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
10657	Tapia Water Reclamation Facility Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
10658	Tapia Sluice Gate and Drive Replacement	\$212,800	100.0%	\$212,800	29.4%	\$62,563	\$150,237
10680	Rancho Las Virgenes Digester Cleaning and Repair	\$1,300,000	100.0%	\$1,300,000	29.4%	\$382,200	\$917,800
60033	Pavement Restoration Rancho	\$533,320	100.0%	\$533,320	29.4%	\$156,796	\$376,524
201808	Tapia Effluent Pump Station 4160 V Feeder Relocation	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
201810	Tapia Tertiary Filters Rehabilitation	\$60,000	100.0%	\$60,000	29.4%	\$17,640	\$42,360
201814	Tapia Building Access Control	\$50,000	100.0%	\$50,000	29.4%	\$14,700	\$35,300
Total: Sanitation Replacement				\$7,997,820		\$2,351,359	\$5,646,461
GRAND TOTAL				\$8,552,820		\$2,514,529	\$6,038,291

Infrastructure Investment Plan (IIP)

Fiscal Year 2019/20

Mid Budget Cycle Revision

March 28, 2019

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Las Virgenes - Triunfo Joint Powers Authority
Infrastructure Investment Plan
FY 2019/20

Overview

The Capital Improvement Plan or Infrastructure Investment Plan (Plan) is a planning document used to identify, prioritize and establish baseline expenditures for facility improvements or replacement projects which ensure the Las Virgenes - Triunfo Joint Powers Authority can consistently meet the needs of the public, both for now and into the future.

This mid budget cycle Plan reviews anticipated work over the initial planning horizon and updates anticipated spending for individual programs.

The information provided in this Plan is intended to inform the reader of current and proposed capital improvement projects, their status and potential costs. As a supplement to the Infrastructure Investment Plan presented during budget development, Section 2 of this update includes an appropriation variance analysis indicating proposed project budget changes from the original document. Detailed project descriptions, sorted in numerical order, are found in Section 3.

This mid budget plan has been prepared and reviewed by staff to confirm the priority and need of originally identified candidate projects for funding consideration and accomplishment. The Plan incorporates facility needs identified by a number of sources. These include: integration of new facility improvements identified in master planning documents; implementation of actions recommended in major studies; the facilities or programs necessary to meet regulatory compliance requirements; and, maintenance, repair, or replacement of component systems to continue normal operations.

The Plan places the prospective projects into various program years to organize them over the planning period. Because of the complexity of facility planning, either deferral or speeding up of projects may occur. These changes are dealt with in the Annual Budget and are amended in the next year's Plan. Receipt of the Infrastructure Investment Plan by the JPA Board of Directors is recognized as one of the key planning steps necessary to formulate an overall Financial Plan and Budget for the JPA.

Summary

This mid budget cycle update Plan reflects the previous trend on placing emphasis on "replacement-funded" projects for Recycled Water and Sanitation facilities. The proposed expenditures reflect the replacement of maturing district infrastructure and the need to replace, upgrade or refurbish existing systems to continue to provide high quality, reliable service.

Exceptions to this trend are the JPA's "Pure Water Project" and newly identified projects related to the Woolsey Fire.

Section 2 of this document compares the appropriations included in the Fiscal Years 2018-20 two year adopted budget to the updated project estimates. Excluding the new Woolsey Fire recovery projects, recommended FY 2019-20 appropriations would be approximately \$1.7 million below the figure included in the approved budget. Including the fire recovery projects, recommended appropriations are approximately \$1.1 million higher than was adopted in the budget.

Infrastructure Investment Plan
Fiscal Year 2019/20 - Fiscal Year 2023/24

Appropriation Variance Analysis

Project Number	Title	FY19/20 (from 18/19 budget)	FY19/20 (proposed)	Approp. Change (variance)
ADMINISTRATIVE				
10520	SCADA System Communication	0	0	0
	SUB-TOTAL ADMINISTRATIVE	\$0	\$0	\$0
PURE WATER PROJECT				
10635	Pure Water Project	3,500,000	0	-3,500,000
10636	Pure Water Project - Mixing and Dilution	0	0	0
10638	Pure Water Demonstration Project	0	2,001,159	2,001,159
	SUB-TOTAL PURE WATER PROJECT	\$3,500,000	\$2,001,159	\$-1,498,841
RANCHO/FARM				
10608	Rancho Amendment Bin and	0	0	0
10668	Rancho Las Virgenes Storm Water	0	11,767	11,767
10670	Centrate 24" Valve Replacement	0	114,000	114,000
10680	Rancho Las Virgenes Digester Cleaning	1,300,000	1,574,082	274,082
10687	Rancho Lighting Efficiency Upgrade	0	0	0
10688	Rancho Solar Generation Project -	0	198,000	198,000
60033	Pavement Restoration Rancho	533,320	533,320	0
70003	Rancho Reliability Improvements: FY 20	0	0	0
70014	Rancho Reliability Improvements FY 19	100,000	100,000	0
70019	Centrate Tank Inspection and	0	0	0
80748	Rancho: Replace Agitators	0	0	0
	SUB-TOTAL RANCHO/FARM	\$1,933,320	\$2,531,169	\$597,849
RECYCLED WATER				
10629	Canyon Oaks Park RW Main Extension	0	0	0
10665	Cordillera Tank Rehab	0	0	0
10666	Calabasas Park Recycled Water Main	0	0	0

Infrastructure Investment Plan
Fiscal Year 2019/20 - Fiscal Year 2023/24

Appropriation Variance Analysis

Project Number	Title	FY19/20 (from 18/19 budget)	FY19/20 (proposed)	Approp. Change (variance)
SUB-TOTAL RECYCLED WATER		\$0	\$0	\$0
TAPIA				
10564	Centrate Equalization Tank	0	0	0
10567	Programmable Logic Controller	376,700	923,450	546,750
10611	Tapia Duct Bank Infrastructure Upgrade	0	0	0
10619	Summer Season 2013 TMDL	2,220,000	809,985	-1,410,015
10626	Process Air Improvements	0	0	0
10653	Tapia Rehab FY17-18	0	0	0
10658	Tapia Sluice Gate and Drive	212,800	0	-212,800
10661	A/B Bus Electrical Modification	0	0	0
10667	Tapia Headworks White Room	0	357,440	357,440
10669	Develop Tour Seating Area at Tapia	0	0	0
10682	Rancho Las Virgenes: FOG Receiving	0	0	0
201808	Tapia Effluent Pump Station 4160 Volt	100,000	100,000	0
201810	Tapia Tertiary Filter Rehabilitation	60,000	60,000	0
201814	Tapia Building Access Control	50,000	0	-50,000
60030	Grit Chamber Mixing System	0	0	0
60031	New RAS Wet Well and Pumps	0	0	0
60032	Pavement Restoration Tapia	0	0	0
70008	Tapia Water Reclamation Facility	0	0	0
70015	Tapia Water Reclamation Facility	100,000	100,000	0
99972	Primary Effluent Equalization	0	0	0
SUB-TOTAL TAPIA		\$3,119,500	\$2,350,875	\$-768,625
WOOLSEY FIRE				
70025	Rancho Fire Repair - Woolsey Fire		1,942,500	1,942,500
70030	JPA Facility Facilities Repair - Woolsey		832,500	832,500

Infrastructure Investment Plan
Fiscal Year 2019/20 - Fiscal Year 2023/24

Appropriation Variance Analysis

Project Number	Title	FY19/20 (from 18/19 budget)	FY19/20 (proposed)	Approp. Change (variance)
	SUB-TOTAL WOOLSEY FIRE		\$2,775,000	\$2,775,000
	TOTAL ALL PROJECTS	\$8,552,820	\$9,658,203	\$1,105,383

SCADA System Communication Upgrades

99906

Job Number: 10520 Responsible Division: Technical Services FY Originated: FY12-13	Priority: 2 Program: No Project Status: On-Hold
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Business Value:
Innovative and Efficient Operations

Key Standard:
Invest in Efficiency Improvements

Scope of Work:

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.

Expenditures & Appropriations - Inception to Date:

Approved Appropriation:	\$93,100
Project Expense (through 1/31/2019):	\$32,447
Anticipated Project Expense (2/1/2019 - 6/30/2019):	\$0
Anticipated Carryover:	\$60,653

Proposed Project Expenditures:

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design							
Bidding		\$285	\$285			\$570	
Construction		\$51,000	\$33,000			\$84,000	
Labor and G&A Expense		\$16,076	\$10,560			\$26,636	
TOTALS	\$0	\$67,361	\$43,845	\$0	\$0	\$111,206	\$143,653

APPROPRIATION REQUEST: \$0

Basis for Project Cost Estimate:

Estimate is based on the initial bid results received and includes contingency for added sites.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
				71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	100.0%			29%

Centrate Equalization Tank

99932

Job Number: 10564 Responsible Division: Technical Services FY Originated: FY13-14	Priority: 2 Program: No Project Status: Complete
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Business Value:
Sound Planning and Appropriate Investment

Key Standard:
Long-Term View, Appropriate CIP Funding

Scope of Work:

Construct a centrate equalization tank at the centrate treatment facility. Provide mechanical and/or chemical cleaning of minerals from the existing centrate line. No planning is needed due to the availability of existing documentation.

Rehabilitation of the centrate treatment line is possible because of the availability of the existing bypass treatment line.

Expenditures & Appropriations - Inception to Date:

Approved Appropriation:	\$2,343,008
Project Expense (through 1/31/2019):	\$2,067,588
Anticipated Project Expense (2/1/2019 - 6/30/2019):	\$0
Anticipated Carryover:	\$275,420

Proposed Project Expenditures:

	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	5-Year Total	Total Project (projected)
Planning							
Land Acquisition							
Design							
Bidding							
Construction							
Labor and G&A Expense							
TOTALS	\$0	\$0	\$0	\$0	\$0	\$0	\$2,067,588

APPROPRIATION REQUEST: \$0

Basis for Project Cost Estimate:

Engineer's opinion of probable construction cost based on the final design.

Fund:	% of Project Allocated by			JPA Partner:
P/W Construction	Sanitation Construction	RW Conservation		LVMWD
	25.0%			71%
P/W Replacement	Sanitation Replacement	RW Replacement		TSD
	75.0%			29%