

**LAS VIRGENES - TRIUNFO  
JOINT POWERS AUTHORITY  
AGENDA**

**4232 Las Virgenes Road, Calabasas, CA 91302**

CLOSING TIME FOR AGENDA IS 8:30 A.M. ON THE TUESDAY PRECEDING THE MEETING. GOVERNMENT CODE SECTION 54954.2 PROHIBITS TAKING ACTION ON ITEMS NOT ON POSTED AGENDA UNLESS AN EMERGENCY, AS DEFINED IN GOVERNMENT CODE SECTION 54956.5 EXISTS OR UNLESS OTHER REQUIREMENTS OF GOVERNMENT CODE SECTION 54954.2(B) ARE MET.

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5:00 PM

June 4, 2018

PLEDGE OF ALLEGIANCE

**1 CALL TO ORDER AND ROLL CALL**

**2 APPROVAL OF AGENDA**

**3 PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

**4 CONSENT CALENDAR**

**A Minutes: Regular Meeting of May 7, 2018 (Pg. 3)**

Approve.

**5 ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

**A Pure Water Project Las Virgenes-Triunfo: Update**

**6 ACTION ITEMS**

**A Proposed Two-Year JPA Budget Plan for Fiscal Years 2018-20 (Pg. 12)**

Approve the proposed Two-Year JPA Budget Plan for Fiscal Years 2018-20 and adopt the Fiscal Year 2018-19 JPA Budget.

**7 BOARD COMMENTS**

**8 ADMINISTERING AGENT/GENERAL MANAGER REPORT**

**9 FUTURE AGENDA ITEMS**

**10 INFORMATION ITEMS**

**A State and Federal Legislative Update (Pg. 96)**

**B Tank Rehabilitation Priority Summary and Request for Proposals for Cordillera Tank Rehabilitation Design (Pg. 110)**

**11 PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

**12 CLOSED SESSION**

**A Conference with Legal Counsel – Pending Litigation (Government Code Section 54956.9(d)(1)):**

Zusser Construction, Inc. v. Las Virgenes Municipal Water District

**13 ADJOURNMENT**

Pursuant to Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and applicable federal rules and regulations, requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the Executive Assistant/Clerk of the Board in advance of the meeting to ensure availability of the requested service or accommodation. Notices, agendas, and public documents related to the Board meetings can be made available in appropriate alternative format upon request.

**LAS VIRGENES – TRIUNFO  
JOINT POWERS AUTHORITY  
MINUTES  
REGULAR MEETING**

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5:00 PM

May 7, 2018

**PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance to the Flag was led by Michael Paule.

**1. CALL TO ORDER AND ROLL CALL**

The meeting was called to order at **5:00 p.m.** by Vice Chair Paule in the Board Room at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road in Calabasas, California. Josie Guzman, Clerk of the Board, conducted the roll call.

Present: Directors Caspary, Lewitt, Orkney, Pan, Paule, Polan, Renger, and Wall.

Absent: Directors Peterson and Tjulander

**2. APPROVAL OF AGENDA**

Director Caspary moved to approve the agenda. Motion seconded by Director Orkney. Motion carried by the following vote:

AYES: Caspary, Lewitt, Orkney, Pan, Paule, Polan, Renger, Wall

NOES: None

ABSTAIN: None

ABSENT: Peterson, Tjulander

**3. PUBLIC COMMENTS**

None.

**4. CONSENT CALENDAR**

**A Minutes: Regular Meeting of April 2, 2018 and Special Meeting of April 17, 2018**

Director Polan moved to approve the Consent Calendar. Motion seconded by Director Wall. Motion carried by the following vote:

AYES: Caspary, Lewitt, Orkney, Pan, Paule, Polan, Renger, Wall

NOES: None

ABSTAIN: None

ABSENT: Peterson, Tjulander

**5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

**A Pure Water Project Las Virgenes-Triunfo: Update**

Administering Agent/General Manager David Pedersen reported that a workshop was held with an independent advisory panel for the Pure Water Project on May 4, 2018. He stated that the independent advisory panel consisted of a group of experts with backgrounds in different areas of water. He also stated that the panel reviewed the model for Las Virgenes Reservoir, evaluated the validity of the model in terms of its capability of simulating how water would mix in the reservoir and ultimately comply with surface water augmentation regulations, and received a presentation on the background, context, and key drivers for the Pure Water Project. He noted that Trussell Technologies provided a presentation regarding the surface water augmentation regulations that were recently adopted by the State Water Resources Control Board, and explained how they developed the 3-D model of Las Virgenes Reservoir, the bathymetry, and the computer analysis in simulating how water would move through the reservoir under different conditions. He also noted that the panel was provided a tour of Las Virgenes Reservoir and the Westlake Filtration Plant. He stated that the panel made a few initial findings and would prepare an expert report to evaluate the validity of the model and share their insight on the project as a whole. He noted that the panel's initial findings were that the project is well founded and that it is the first of its type in the Los Angeles and Ventura County areas. He also reported that staff was working on compiling the feedback from the Pure Water Demonstration Project workshop held on April 17th, and a report would be brought back at the June 4th JPA Board meeting.

Administering Agent/General Manager David Pedersen responded to questions regarding the use of diatomaceous earth as the filtering media at the Westlake Filtration Plant for surface water treatment and the locations of other pure water projects in California, including Pure Water San Diego and the Padre Dam Reservoir Augmentation Project.

**B Financial Review: Third Quarter of Fiscal Year 2017-18**

**Receive and file the financial review for the third quarter of Fiscal Year 2017-18.**

Don Patterson, Director of Finance and Administration, provided a PowerPoint presentation. He responded to a question regarding the timing of capital projects and reduced expenditures due to recycled water sales being less than budgeted, the reserve fund specified for capital projects and operations, and bookkeeping for depreciation of assets on an annual basis for replacement and upgrades.

The report was received and filed.

### **C Preliminary JPA Fiscal Years 2018-20 Two-Year Budget Plan**

Mike Hamilton, Financial Analyst, provided a PowerPoint presentation.

Director Orkney commented that the JPA should reconsider the \$5 million cost of composting and suggested that perhaps it could be less expensive as the construction phase of the Pure Water Project begins.

Don Patterson, Director of Finance and Administration, responded to a question regarding fluctuations in the revenue for wholesale recycled water estimated in Fiscal Year 17-18 and expenditures on tanks, reservoirs, and wells by stating that the costs for reservoir cleaning had not yet been entered in the accounting system.

A discussion ensued regarding budgeting at full employment, including increases to employees' salaries due to inflationary effects and increased costs for retirement benefits.

Administering Agent/General Manager David Pedersen responded to a question regarding the possibility of selling compost material to generate revenues by stating that the primary strategy has been to give away as much of the compost as possible to the community. He noted that there was a change in the source of the amendment, which reduced the cost of producing the compost. Brett Dingman, Water Reclamation Manager, added that one of the main factors is the Organic Materials Registry Index, which defines any sewage-based sludge compost as not organic, affecting the value of the compost from a marketing standpoint.

Administering Agent/General Manager David Pedersen responded to a question regarding reviewing large capital improvement projects with the Board by stating that staff could review capital improvement projects in more detail during the June 4th budget presentation, including the Process Air Improvements Project and Pure Water Project.

## **6. ACTION ITEMS**

### **A Tapia Water Reclamation Facility Summer Season Waste Load Allocation Compliance Study: Selection of Preferred Method**

**Select breakpoint chlorination and discharge of potable water to Malibu Creek as the preferred method to achieve compliance with the summer season waste load allocation for the Tapia Water Reclamation Facility, and authorize staff to finalize the Technical Memorandum for the Tapia Water Reclamation Facility Summer Season Waste Load Allocation Compliance Study.**

Administering Agent/General Manager David Pedersen presented the report.

Zakir Hirani, representing Stantec, provided a PowerPoint presentation. He reviewed Alternative Nos. 1, 2, and 3, and responded to several questions posed by the Board regarding Alternative No. 3 related to pipeline construction, breakpoint chlorination that destroys the chloramine compound, and the need to dechlorinate the water prior to releasing it to the creek by using this process.

Mr. Hirani continued the PowerPoint presentation and reviewed Alternative Nos. 4 and 5. He also reviewed the recommendation for Alternative No. 3 – Breakpoint Chlorination of Potable Water, and stated this alternative would provide the greatest operational and water quality reliability, ease of operation, and is the most cost-effective.

A discussion ensued regarding concerns with the term “breakpoint chlorination” and potentially replacing the terminology with “nitrogen oxidation process” or “nitrogen removal process.”

Mr. Hirani reviewed the next steps for preliminary design development, CEQA analysis, breakpoint chlorination bench-scale testing, project scheduling, and deliverables. He responded to a question regarding whether the potential concerns with the bridge crossing at Malibu Creek would be addressed in the CEQA analysis by stating that it would be addressed. He also responded to a question regarding the seasonal treatment process and impacts from starting and stopping operations.

Administering Agent/General Manager David Pedersen responded to a question regarding negative implications should the JPA not move forward with achieving the flow augmentation requirement for Malibu Creek by stating that it was potentially beneficial to have flow augmentation criteria established for Malibu Creek. He stated that one of the biggest challenges is the lack of clarity on the flow regime that is needed for public trust resources and environmental flows when looking at potable reuse projects in other areas. He noted that the two issues include downstream users who claim a right to the water and the amount of water needed downstream for environmental purposes. He stated that the JPA is fortunate to have gone through a process whereby that number has been determined, there is some element of consistency, and the JPA has criteria established moving forward. He also stated that if this issue comes up during development of the Pure Water Project, the JPA could indicate that it has had a long-standing process to augment creek flows and it trims the creek up to the

amount that was based on a study conducted by the National Oceanic and Atmospheric Administration and the National Marine Fisheries. Keith Lemieux, Authority Counsel, added that the advantage is that the JPA has crystalized the amount of water being contributed to the fish, and when it comes time in the future to deal with concerns regarding downstream uses, the JPA could indicate that it has already been through that process and it has been extensively studied.

Director Lewitt noted that many people are not aware that the JPA is taking drinking water from snowmelt and putting it in the creek because the JPA is mandated to do so. He suggested explaining this to the public in regular terms instead of in water language. Administering Agent/General Manager David Pedersen stated that staff could provide additional information to the public regarding flow augmentation requirements, the benefits, and the cost.

Director Renger inquired whether water could be pumped from the wells in Westlake, put into the lake, and allowed to overflow down the stream to increase the flow. Administering Agent/General Manager David Pedersen responded that although this could be possible, it is a long path from Westlake to the gauging station and there are sections in Triunfo Creek that run dry during certain times of the year. He noted that the ground is porous, and putting water into Westlake Lake could cause it to spill and infiltrate during the water's journey to the gauging station.

Director Orkney moved to approve Item 6A using the term nitrogen removal or nitrogen oxidation process instead of breakpoint chlorination. Motion seconded by Director Pan. Motion carried by the following roll call vote:

AYES: Caspary, Lewitt, Orkney, Pan, Paule, Renger, Wall

NOES: Polan

ABSTAIN: None

ABSENT: Peterson, Tjulander

**B      Tapia Water Reclamation Facility Fiscal Year 2017-18 Rehabilitation Project: CEQA Determination and Call for Buds**

**Find that the work is exempt from the California Environmental Quality Act and approve the issuance of a Call for bids for the Tapia Water Reclamation Facility Fiscal Year 2017-18 Rehabilitation Project.**

Administering Agent/General Manager David Pedersen presented the report.

Director Polan moved to approve Item 6B. Motion seconded by Director Renger.

Motion carried by the following vote:

AYES: Caspary, Lewitt, Orkney, Pan, Paule, Polan, Renger, Wall

NOES: None

ABSTAIN: None  
ABSENT: Peterson, Tjulander

**C Rancho Amendment Bid and Conveyance Modifications Project: Call for Bids**

**Find that the proposed amendment bin and conveyance equipment should be designated by specific trade name to match the existing equipment and authorize a Call for Bids for the Rancho Amendment Bind and Conveyance Modification Project.**

Administering Agent/General Manager David Pedersen presented the report.

Director Lewitt moved to approve Item 6C. Motion seconded by Director Orkney.

Oliver Slosser, representing Stantec, responded to a question regarding whether there would be a shaker on the bin by stating that there would be two live screws to keep amendment moving. He noted that the drop off location of the amendment within the bin would be farther back so that there would be no bridging issues that are currently occurring.

Administering Agent/General Manager David Pedersen responded to a question regarding the cost for hauling dewatered cake while the composting and cure process is temporarily shut down by stating that it would be less expensive to haul the cake temporarily. He noted that the process would be shut down for a short period of time. He also responded to a question regarding the selection of the contractor by stating that the JPA would need to be discerning in selecting the contractor, follow the Public Contract Code, and focus on other issues including reference checks, license checks, and a background check of the contractor.

Motion carried by the following vote:

AYES: Caspary, Lewitt, Orkney, Pan, Paule, Polan, Renger, Wall  
NOES: None  
ABSTAIN: None  
ABSENT: Peterson, Tjulander

**7. BOARD COMMENTS**

Director Orkney expressed concern with the purple color used in the Pure Water Project logo because it symbolizes recycled water. She requested a future agenda item to discuss the logo using different shades of blue.

**8. ADMINISTERING AGENT/GENERAL MANAGER REPORT**



Administering Agent/General Manager David Pedersen provided an update regarding SB 1489 (Stern), California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018: Water Recycling. He stated that Senator Stern introduced the legislation to assist the JPA with a challenge related to Proposition 68, which is on the June 5th ballot. He explained that the challenge was that funds included in Proposition 68 for recycled water projects are channeled through an existing State Water Resources Control Board program that includes a legacy restriction that prevents the funds from being used for surface water augmentation projects. He noted that the bill was scheduled for hearing before the Senate Natural Resources and Water Committee on April 24th; however, Committee Chair Hertzberg pulled the item from the agenda due to a concern that the proposal was not constitutional. He stated that staff did not have an opportunity to meet with Senator Hertzberg to express staff's opinion and legal position. He also stated that Senator Hertzberg did not realize there was a tight timeframe and that missing the committee meeting and hearing prevented the JPA from having this bill approved into law in time for the June ballot. He noted that for this legislative proposal to be effective it needed to be approved and signed by the Governor prior to June 5th Primary Election, and it needed to be current law before the voters considered Proposition 68. He stated that staff attempted to find a legislative vehicle in a Senate Bill that was already in the Assembly where it could be amended; however, none were feasible. He also stated that based on Senator Hertzberg's concerns perhaps the JPA could pursue this as a voter initiative. He also reported that staff and the JPA's lobbyist, Syrus Devers, would be pursuing Proposition 1 funds for the Pure Water Project.

**9. FUTURE AGENDA ITEMS**

None.

**10. INFORMATION ITEMS**

**A Tapia and Rancho Operations and Maintenance Project List: Completion**

**B Tapia Water Reclamation Facility Chloride Study: Investigation Report**

**11. PUBLIC COMMENTS**

None.

**12. CLOSED SESSION**

**A Conference with Legal Counsel – Pending Litigation (Government Code Section 54956.9(d)(1)):**

**Zusser Construction, Inc., v. Las Virgenes Municipal Water District**

The Board recessed to Closed Session at 7:08 p.m., and reconvened to Open Session at 7:22 p.m.

Authority Counsel Keith Lemieux announced there was no reportable action.

**13. ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at 7:22 p.m.

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Glen Peterson, Chair

ATTEST:

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Michael Paule, Vice Chair

June 4, 2018 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

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**Subject : Proposed Two-Year JPA Budget Plan for Fiscal Years 2018-20**

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**SUMMARY:**

The proposed Two-Year JPA Budget Plan is \$28.3 million for Fiscal Year (FY) 2018-19 and \$25.9 million for FY 2019-20. The proposed FY 2018-19 JPA Budget is 4.6% higher than the FY 2017-18 Budget of \$27.1 million, primarily due to an increase in expenditures for capital improvement projects. The following major projects are included in the proposed FY 2018-20 JPA Budget:

- Pure Water Project Las Virgenes-Triunfo
- Rancho Amendment Bin and Conveyance Modification Project
- Summer Season 2013 TMDL Compliance
- Tapia Process Air Improvements
- Tapia Rehabilitation
- Cordillera Tank Rehabilitation
- Rancho Las Virgenes Digester Cleaning and Repair

**RECOMMENDATION(S):**

Approve the proposed Two-Year JPA Budget Plan for Fiscal Years 2018-20 and adopt the Fiscal Year 2018-19 JPA Budget.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The proposed Fiscal Year 2018-19 JPA Budget is \$28.3 million.

**DISCUSSION:**

### JPA Operating Budget:

The proposed operating budgets for Fiscal Years 2018-19 and 2019-20 are \$17,064,399 and \$17,422,676, respectively. There were no significant changes from the Preliminary Budget presented to the JPA Board on May 7, 2018.

The proposed FY 2018-19 JPA Budget for operating expenses is \$369,272 higher, or 2.2% more, than the current fiscal year budget. The increase is primarily due to higher labor costs. The proposed FY 2019-20 JPA Budget for operating expenses is \$17,422,676, which is \$358,277, or 2.1% more, than the FY 2018-19 budget, primarily due a projected increase in labor costs.

### Capital Improvement Projects Budget:

The proposed FY 2018-19 JPA Capital Improvement Projects Budget, including carryover amounts, is \$16,302,235. Following is a summary of the major projects:

- Rancho Amendment Bin and Conveyance Modification Project (\$1.4 million)
- Tapia Process Air Improvements (\$3.3 million)
- Pure Water Project Las Virgenes-Triunfo (\$4.5 million)
- Tapia Rehabilitation (\$2.0 million)
- Cordillera Tank Rehabilitation (\$1.2 million)

The projected FY 2019-20 JPA Capital Improvement Projects Budget is \$8,552,820. Following is a summary of the major projects:

- Summer Season 2013 TMDL Compliance (\$2.2 million)
- Pure Water Project Las Virgenes-Triunfo (\$3.5 million)
- Rancho Las Virgenes Digester Cleaning and Repair (\$1.3 million)

### Wholesale Recycled Water Rate:

The budget process includes calculating the wholesale recycled water rate in accordance with the JPA Board-approved methodology. The proposed rates for Fiscal Years 2018-19 and 2019-20 are \$474.80 per acre foot and \$480.53 per acre foot, respectively, as compared to \$423.13 in the FY 2017-18 JPA Budget. The change in the rate is due to an increase in the operating expenses as well as an increase in the projected depreciation expense.

Attached is the proposed budget document, which includes the following items:

1. Operating budget line item summary at the enterprise level
2. Projection of allocated JPA expenses to participants
3. Recycled water wholesale rate computations
4. Capital improvement projects listing

### **GOALS:**

Ensure Effective Utilization of the Public's Assets and Money

Prepared by: Angela Saccareccia, Finance Manager

**ATTACHMENTS:**

Two-Year JPA Budget for Fiscal Years 2018-20



# Las Virgenes – Triunfo Joint Powers Authority

Budget

FY 2018-19  
&  
FY 2019-20

June 4, 2018





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**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](http://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

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

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,

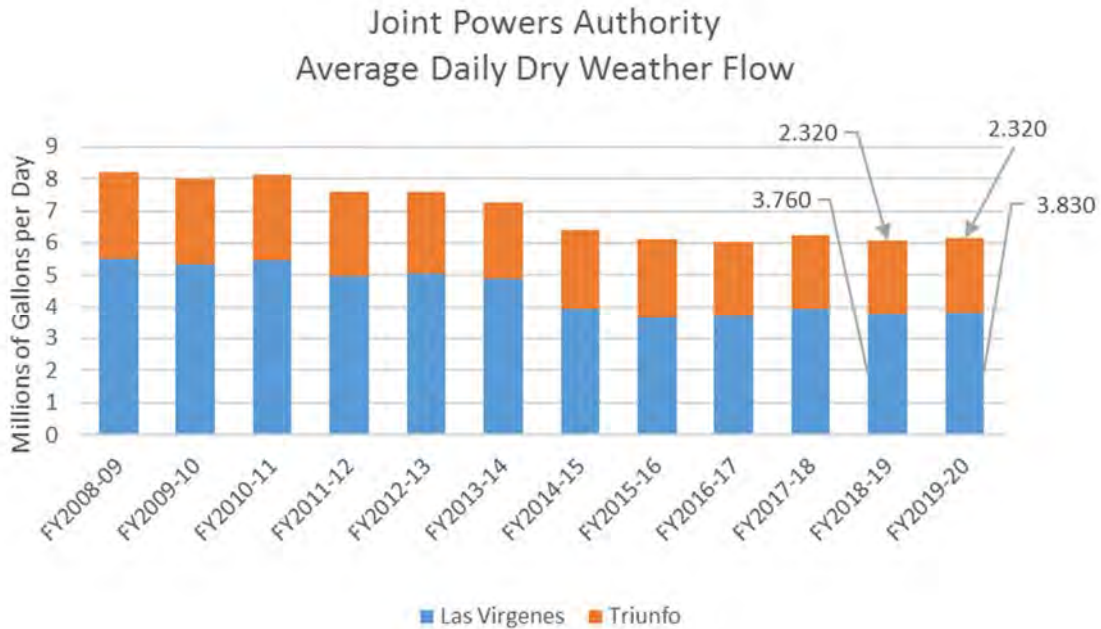


David W. Pedersen, P.E.  
Administering Agent/General Manager

## **BUDGET OVERVIEW**

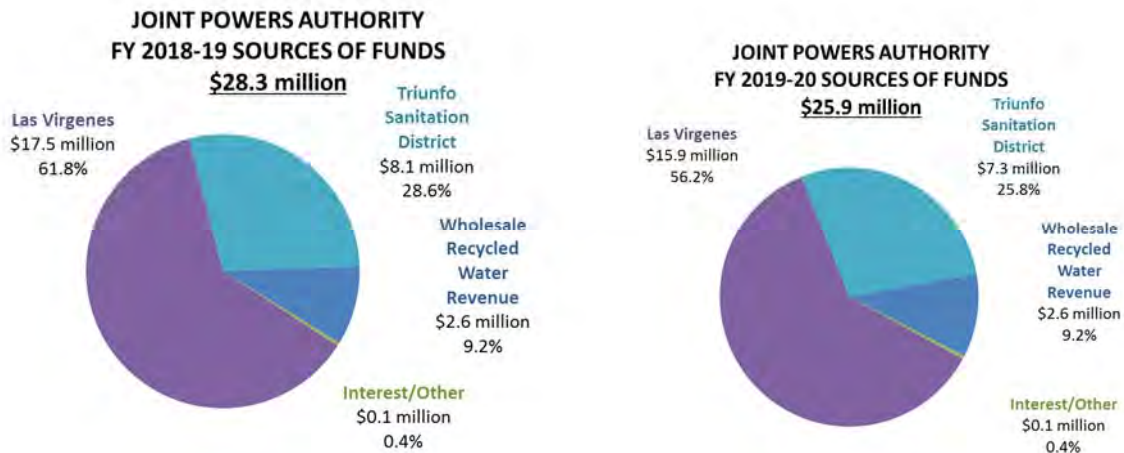
The following pages present an overview of the Fiscal Year 2018-20 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement.

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.

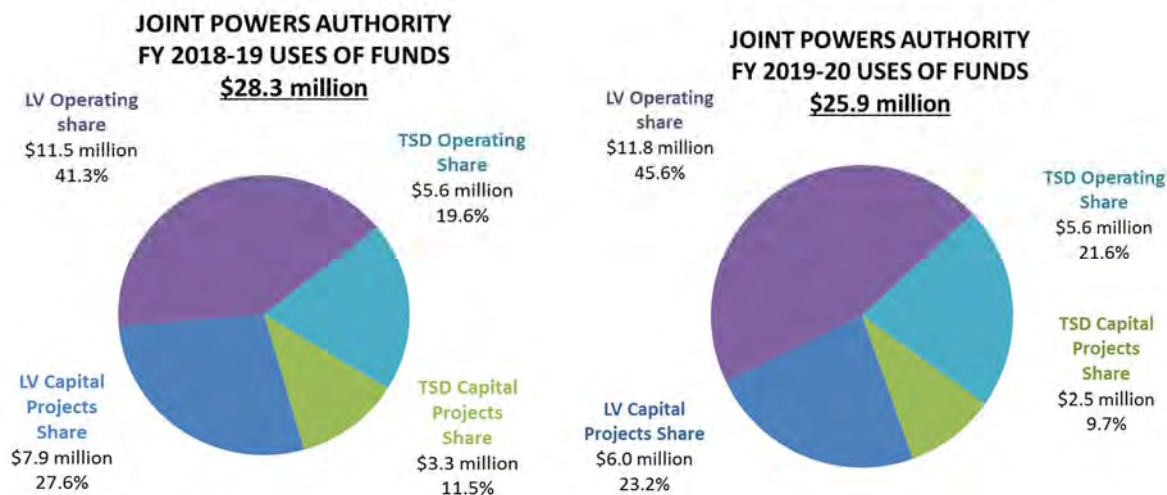
Because allocation of expense varies by type of expense, the overall percentage allocated to each participant changes from year to year. For FY 2018-19 the participant's contribution from Triunfo Sanitation District (TSD) decreased from \$4,761,155 to \$4,750,243, while Las Virgenes (LV) participant's 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
<b>Operating Revenue</b>						
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	<u>2,286,663</u>	<u>2,057,700</u>	<u>2,473,224</u>	<u>2,368,539</u>	<u>2,656,094</u>	<u>2,687,396</u>
MWD Incentive - Local Projects	-	-	-	-	-	-
Other	59,178	110,537	80,000	80,000	80,000	80,000
Total Operating Revenue	<u>2,345,841</u>	<u>2,168,237</u>	<u>2,553,224</u>	<u>2,448,539</u>	<u>2,736,094</u>	<u>2,767,396</u>
<b>Interest &amp; Other Revenue</b>	<u>33,063</u>	<u>45,010</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>
<b>Participant's Contribution</b>						
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	<u>9,609,926</u>	<u>11,607,824</u>	<u>16,698,059</u>	<u>13,950,947</u>	<u>17,509,364</u>	<u>15,848,752</u>
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	<u>4,744,590</u>	<u>5,366,652</u>	<u>7,816,636</u>	<u>6,116,555</u>	<u>8,061,408</u>	<u>7,339,348</u>
<b>Total Sources of Funds</b>	<u>16,733,420</u>	<u>19,187,723</u>	<u>27,087,919</u>	<u>22,536,041</u>	<u>28,326,866</u>	<u>25,975,496</u>

## 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
<b>Operating Expenses</b>						
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
<b>Capital Projects</b>						
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
<b>Total Uses of Funds</b>	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.

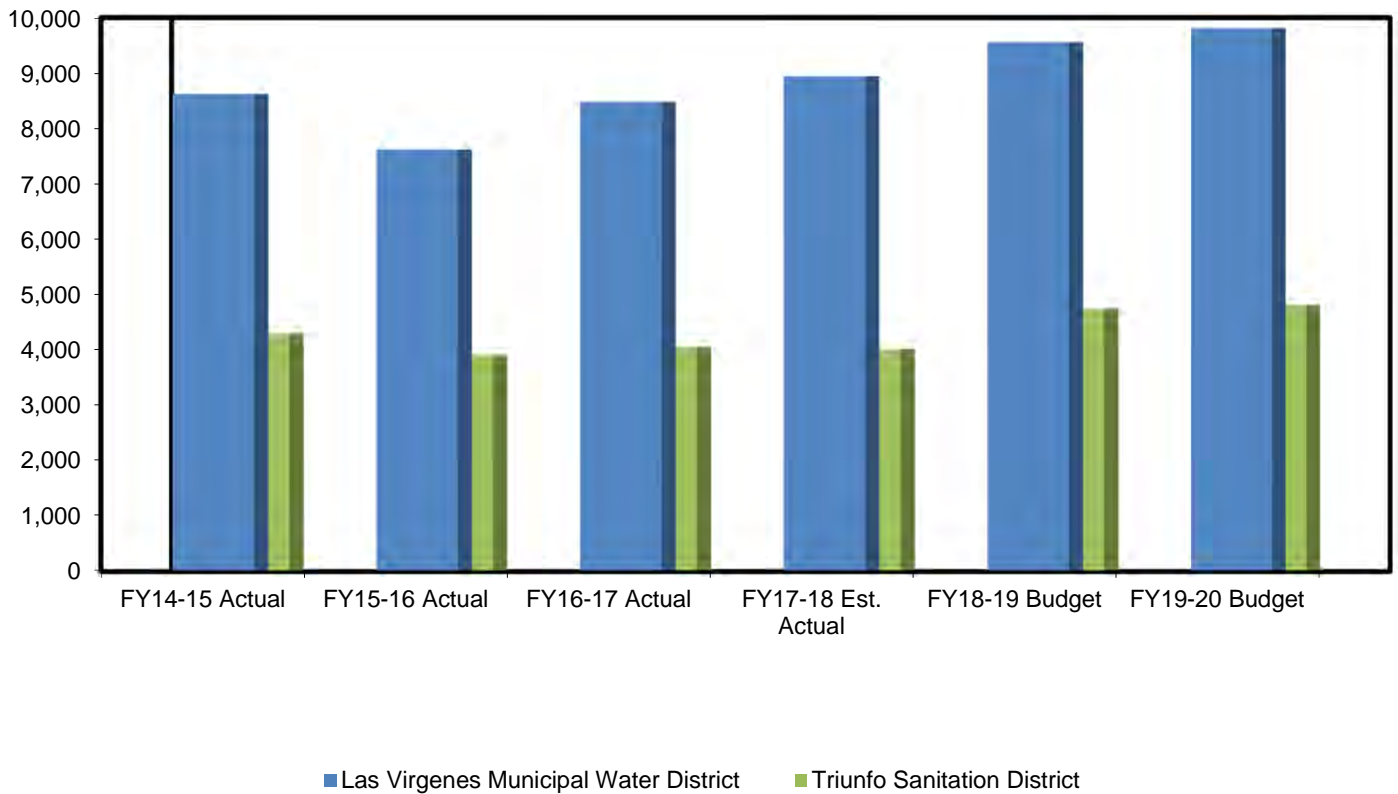
### **Capital Improvement Projects**

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
<b>JPA Revenues</b>	2,326	2,346	2,168	2,449	2,736	2,767
<b>JPA Expenses</b>	15,189	13,920	14,755	15,440	17,064	17,423
<b>Net Operating Expense</b>	12,863	11,574	12,587	12,991	14,328	14,656
<b>Non-Operating Revenue (Expense)</b>	(66)	34	45	20	20	20
<b>Net Expenses</b>	12,929	11,540	12,542	12,971	14,308	14,636
<b>Las Virgenes Municipal Water District</b>	8,624	7,623	8,483	8,941	9,558	9,811
<b>Triunfo Sanitation District</b>	4,305	3,917	4,059	4,030	4,750	4,825
<b>Total Allocated Expenses</b>	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)
<b>TOTAL EXPENSES</b>	<b>126,937</b>	<b>8,395,875</b>	<b>4,465,354</b>	<b>3,495</b>	<b>(20,000)</b>	<b>12,971,661</b>
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	A		B		C		D		E		TOTAL	
	%	\$	%	\$	%	\$	%	\$	%	\$		
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
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>126,937</b>	<b>100.0%</b>	<b>8,395,875</b>	<b>100.0%</b>	<b>4,465,354</b>	<b>100.0%</b>	<b>3,495</b>	<b>100.0%</b>	<b>(20,000)</b>	<b>100.0%</b>	<b>12,971,661</b>
	A	B	C	D	E	TOTAL						

**GROUP**

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

**JOINT POWERS AUTHORITY  
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION  
ESTIMATED ACTUAL FY 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%
<b>TOTAL ALL PARTICIPANTS</b>	<b>6.24</b>	<b>2,279</b>	<b>100.0%</b>	<b>12,971,661</b>	<b>5,692</b>	<b>100.0%</b>
RETURN FLOWS	1.36	498				
WESTLAKE WELLS	0.34	123				
	<u>7.95</u>	<u>2,900</u>				

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

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					TOTAL
	A	B	C	D	E	
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						

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**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					
	A	B	C	D	E	TOTAL
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)
<b>TOTAL EXPENSES</b>	<b>147,995</b>	<b>9,524,461</b>	<b>4,979,124</b>	<b>3,700</b>	<b>(20,000)</b>	<b>14,635,280</b>

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	A		B		C		D		E		TOTAL	
	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
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)
<b>TOTAL LVMWD</b>	<b>39.4%</b>	<b>58,310</b>	<b>70.6%</b>	<b>6,664,756</b>	<b>62.3%</b>	<b>3,101,994</b>	<b>50.0%</b>	<b>1,850</b>	<b>82.2%</b>	<b>(16,449)</b>	<b>67.0%</b>	<b>9,810,461</b>
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
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>147,995</b>	<b>100.0%</b>	<b>9,524,461</b>	<b>100.0%</b>	<b>4,979,124</b>	<b>100.0%</b>	<b>3,700</b>	<b>100.0%</b>	<b>(20,000)</b>	<b>100.0%</b>	<b>14,635,280</b>

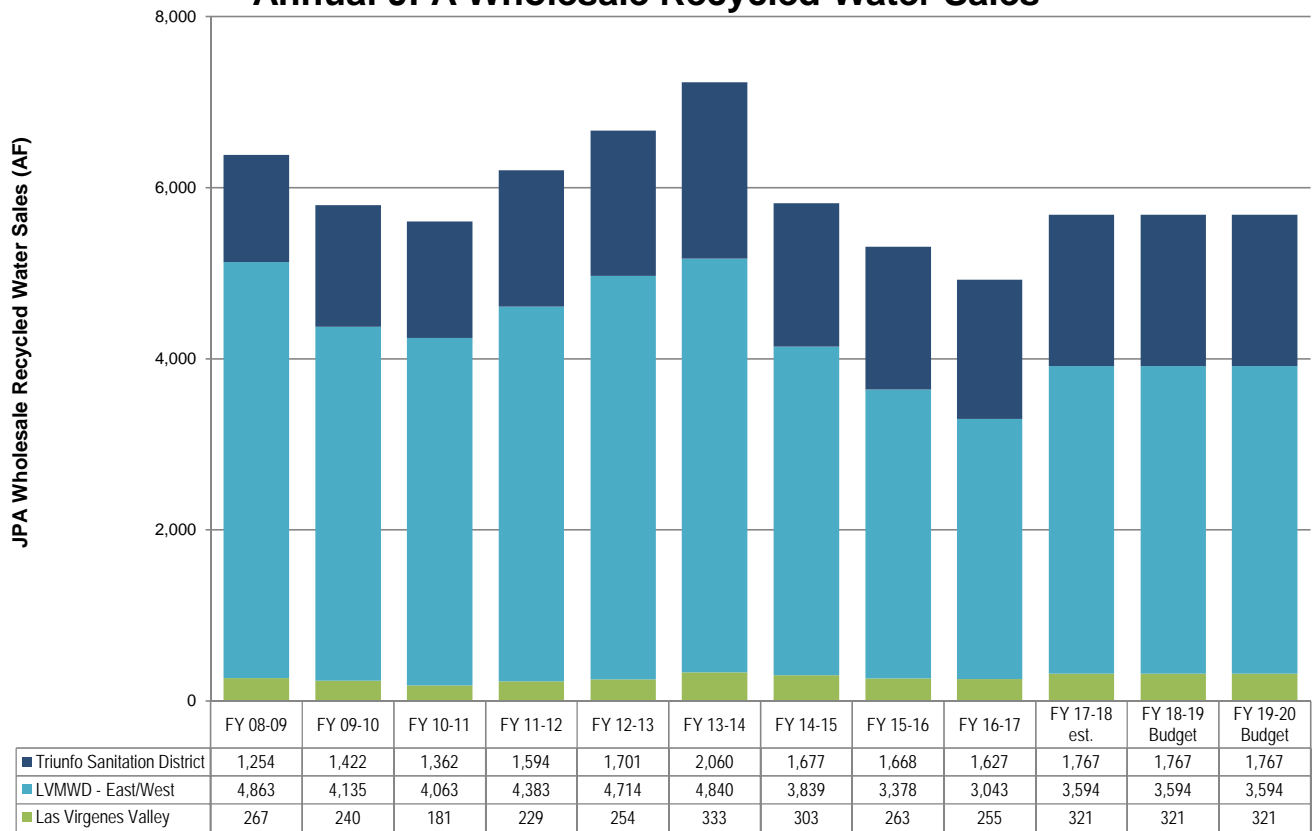
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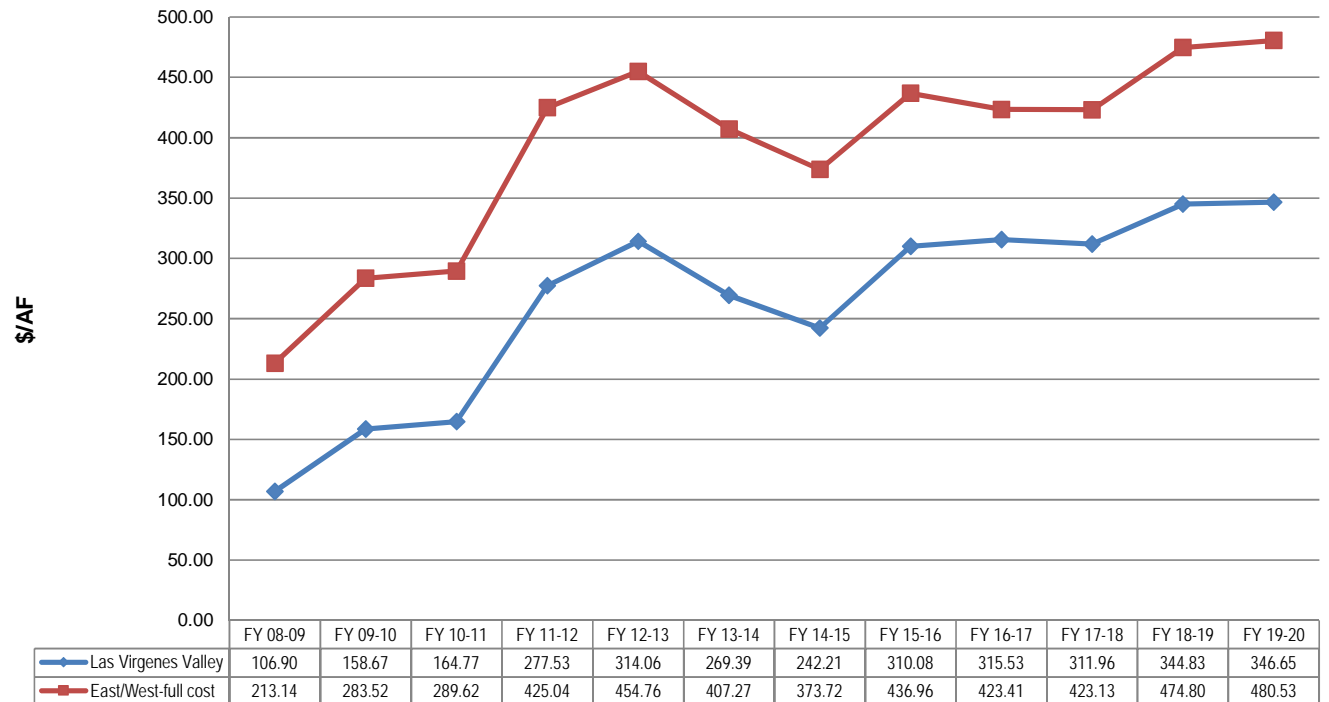
**JOINT POWERS AUTHORITY  
PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION  
FY 2019-20**

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%
<b>TOTAL ALL PARTICIPANTS</b>	<b>6.15</b>	<b>2,246</b>	<b>100.0%</b>	<b>14,635,280</b>	<b>6,516</b>	<b>100.0%</b>
RETURN FLOWS	1.36	496				
WESTLAKE WELLS	0.30	109				
	<b>7.81</b>	<b>2,851</b>				

## 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
<b>OPERATING REVENUES</b>							
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
<b>TOTAL OPERATING REVENUES</b>	<b>\$2,326,230</b>	<b>\$2,345,841</b>	<b>\$2,168,058</b>	<b>\$2,553,224</b>	<b>\$2,448,539</b>	<b>\$2,736,093</b>	<b>\$2,767,396</b>
<b>SOURCE OF SUPPLY</b>							
5115 Purchased Water - Potable Suppl	136,529	0	34,124	0	0	0	0
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>INVENTORY EXPENSES</b>							
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
<b>PUBLIC INFORMATION</b>							
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
<b>RESOURCE CONSERVATION</b>							
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

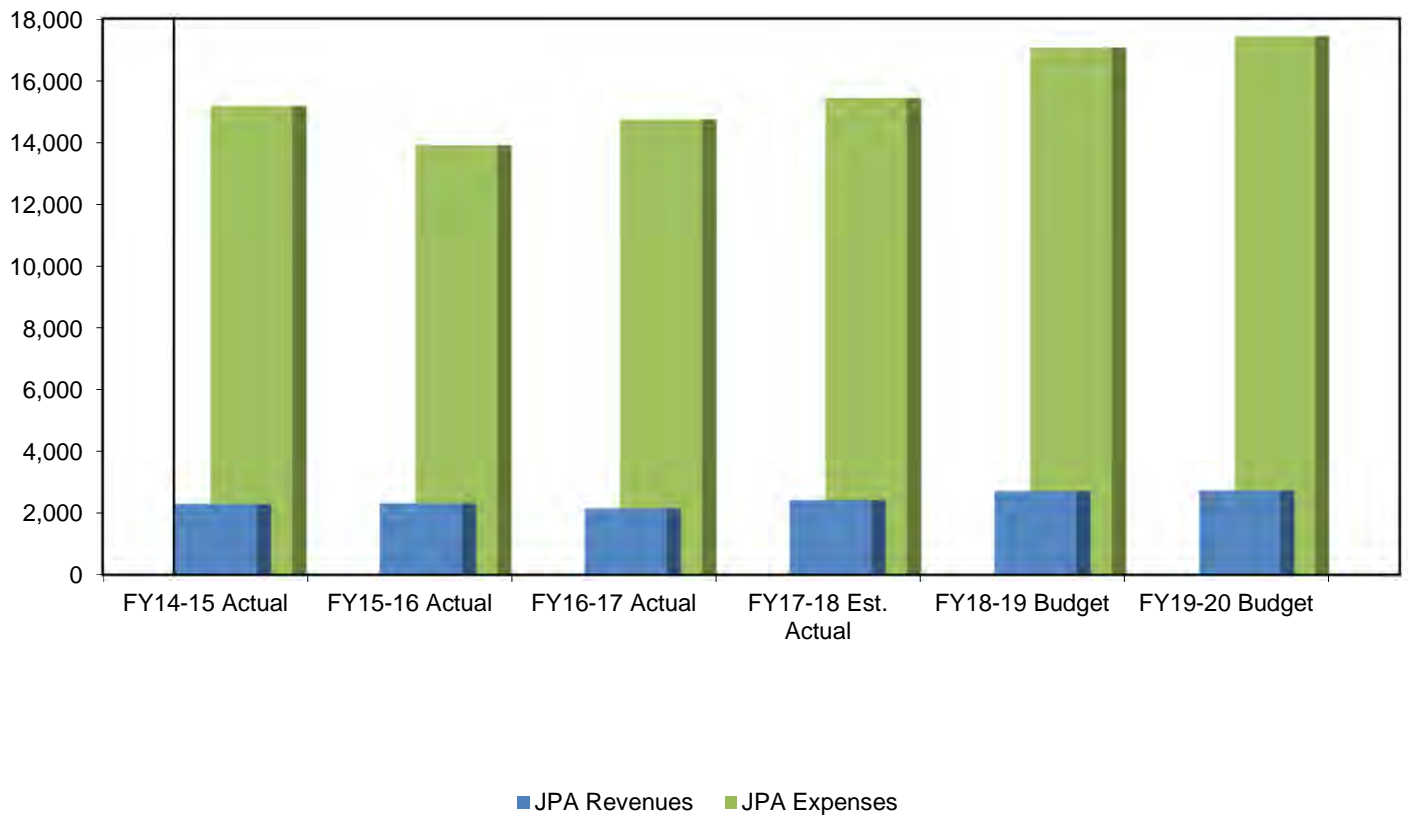


**Las Virgenes - Triunfo  
Joint Powers Authority  
Operations Summary**

	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
<b>SPECIALTY EXPENSES</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$15,189,559</b>	<b>\$13,919,281</b>	<b>\$14,755,030</b>	<b>\$16,695,127</b>	<b>\$15,440,200</b>	<b>\$17,064,399</b>	<b>\$17,422,676</b>
<b>NET OPERATING EXPENSE</b>	<b>\$12,863,329</b>	<b>\$11,573,440</b>	<b>\$12,586,972</b>	<b>\$14,141,903</b>	<b>\$12,991,661</b>	<b>\$14,328,305</b>	<b>\$14,655,280</b>

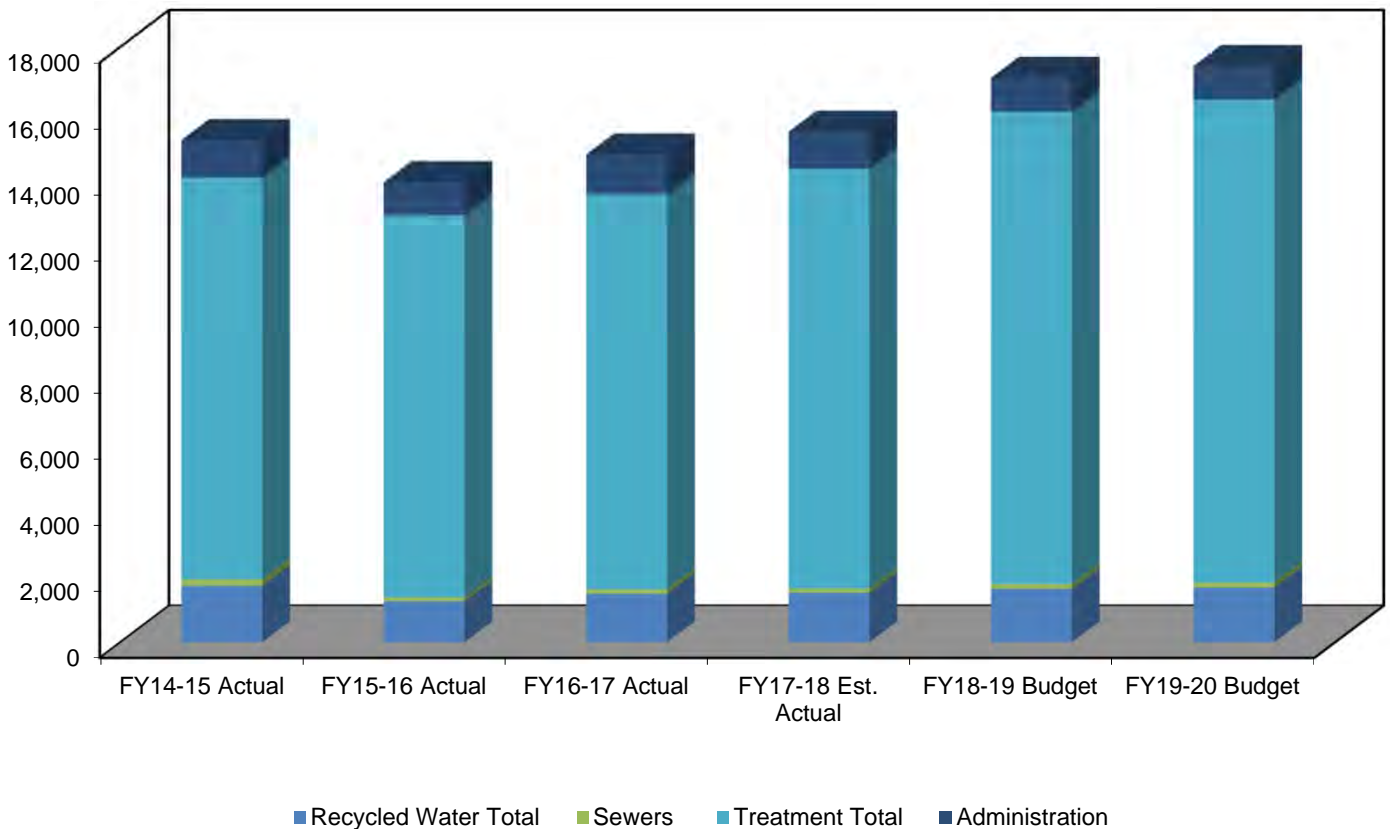
**Las Virgenes - Triunfo  
Joint Powers Authority  
Operations Summary  
(Dollars in Thousands)**

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
<b>JPA Revenues</b>	2,326	2,346	2,168	2,449	2,736	2,767
<b>JPA Expenses</b>	15,189	13,920	14,755	15,440	17,064	17,423
<b>Net Operating Expense</b>	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
<b>Pump Stations</b>	1,276	1,082	1,214	1,280	1,341	1,379
<b>Tank, Res, Wells</b>	295	70	117	75	131	133
<b>System Ops</b>	49	31	28	26	47	48
<b>Distribution</b>	93	55	113	121	99	101
<b>Recycled Water Total</b>	1,713	1,238	1,472	1,502	1,618	1,661
<b>Sewers</b>	195	119	135	127	145	148
<b>Reclamation</b>	7,528	7,158	7,192	7,668	8,646	8,864
<b>Composting</b>	4,308	4,173	4,463	4,733	5,316	5,416
<b>Centrate Treatment</b>	322	243	297	294	318	322
<b>Treatment Total</b>	12,158	11,574	11,952	12,695	14,280	14,602
<b>Administration</b>	1,123	989	1,196	1,116	1,021	1,012
<b>Total JPA Operations</b>	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.

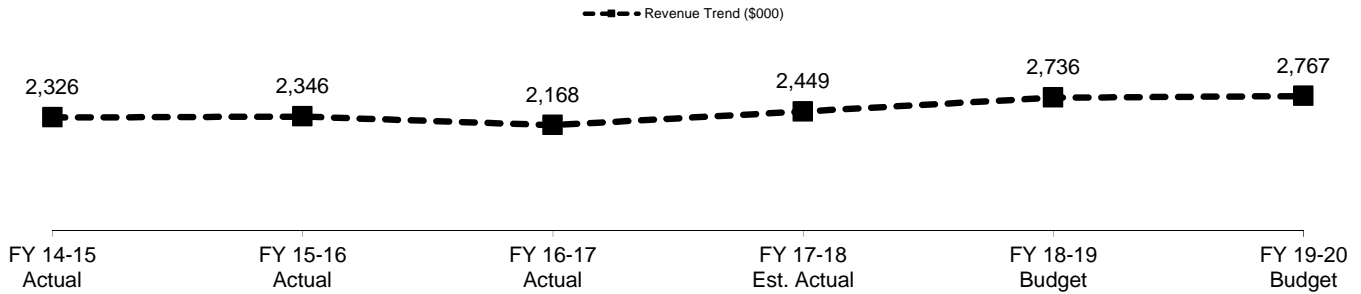
4245 MWD Incentive Local Projects – Funding from Metropolitan Water District to encourage reduction of potable water demand up to 700 af per year at \$154/af. The twenty-five (25) year agreement between the MWD and the JPA expired in November, 2014.

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
<b>OPERATING REVENUES</b>							
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
<b>TOTAL OPERATING REVENUES</b>	<b>\$2,326,230</b>	<b>\$2,345,841</b>	<b>\$2,168,058</b>	<b>\$2,553,224</b>	<b>\$2,448,539</b>	<b>\$2,736,093</b>	<b>\$2,767,396</b>



# **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**

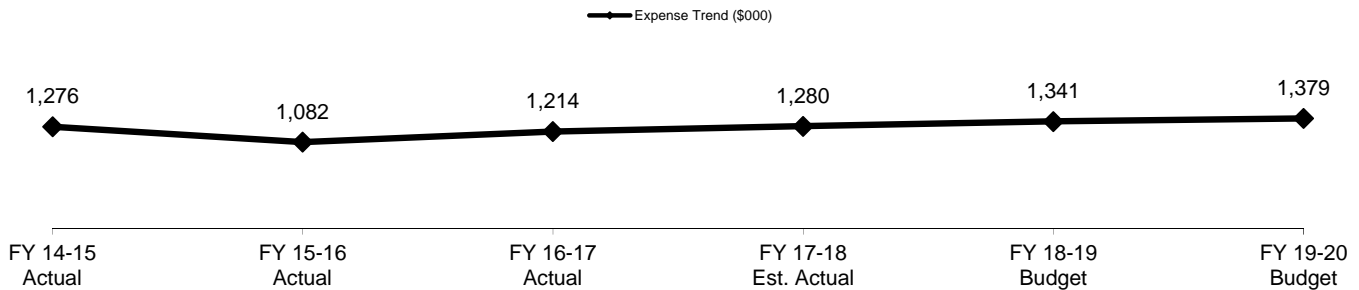
- 5400 Labor – Primarily labor hours worked by Water Treatment and Production and Water Reclamation personnel to operate and provide preventive maintenance to equipment and facilities at the various Joint Powers Authority pump stations.
  
- 5405.1 Energy – Energy costs for recycled water pump stations. 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$1,276,033</b>	<b>\$1,081,612</b>	<b>\$1,214,034</b>	<b>\$1,207,631</b>	<b>\$1,280,420</b>	<b>\$1,340,876</b>	<b>\$1,379,114</b>



# **JOINT POWERS AUTHORITY**

## **RW Tanks, Reservoirs and Wells – 751200**

### **FUNCTION**

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

### **SIGNIFICANT CHANGES**

No significant changes are anticipated for 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**

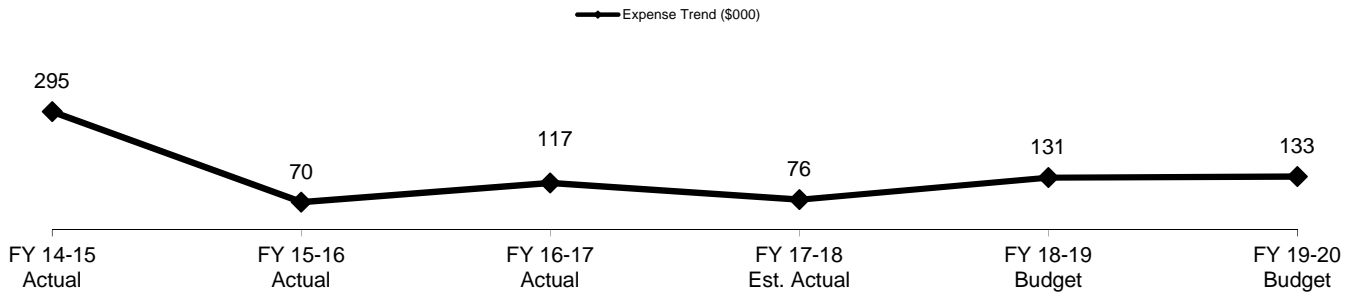
5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance.

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
<b>SOURCE OF SUPPLY</b>							
5115 Purchased Water - Potable Suppl	\$136,529	\$0	\$34,124	\$0	0	\$0	\$0
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$295,275</b>	<b>\$69,506</b>	<b>\$117,194</b>	<b>\$108,845</b>	<b>\$75,601</b>	<b>\$130,611</b>	<b>\$133,191</b>



# **JOINT POWERS AUTHORITY**

## **RW System Operation – 751300**

### **FUNCTION**

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

### **SIGNIFICANT CHANGES**

No significant changes are anticipated for 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.

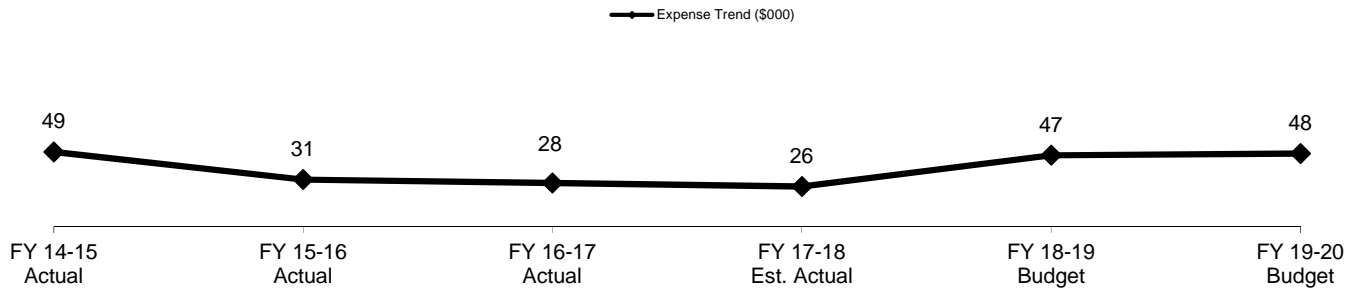
### **SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>SPECIALTY EXPENSES</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$48,725</b>	<b>\$30,622</b>	<b>\$28,377</b>	<b>\$39,505</b>	<b>\$26,084</b>	<b>\$46,517</b>	<b>\$47,592</b>



# **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**

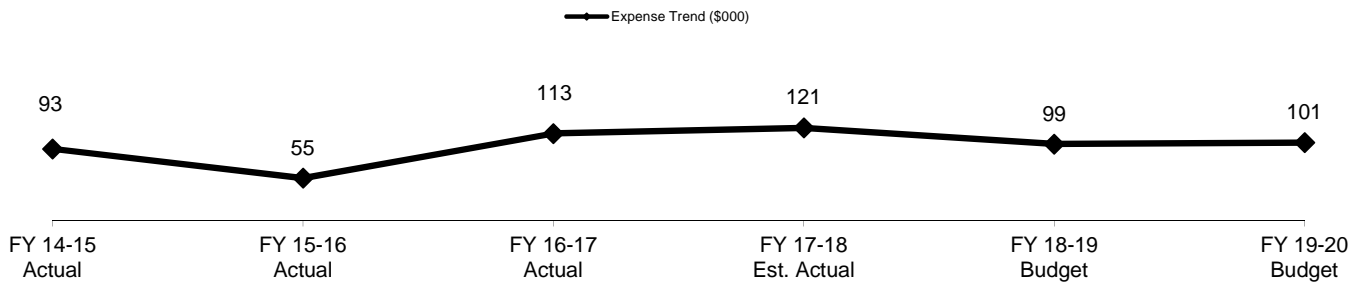
- 5400 Labor – Labor hours performed by Water Treatment and Production employees to perform preventive maintenance work associated with the recycled water distribution system. Preventive maintenance includes operating, testing, and overhauling recycled water main line valves, blow-offs, and air-vacuum 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$92,976</b>	<b>\$54,715</b>	<b>\$112,984</b>	<b>\$105,016</b>	<b>\$120,664</b>	<b>\$99,358</b>	<b>\$101,209</b>



# **JOINT POWERS AUTHORITY**

## **Sewers – 751800**

### **FUNCTION**

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

### **SIGNIFICANT CHANGES**

No significant changes are anticipated for 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$194,798</b>	<b>\$119,515</b>	<b>\$134,864</b>	<b>\$250,225</b>	<b>\$126,937</b>	<b>\$145,224</b>	<b>\$147,995</b>

Expense Trend (\$000)



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

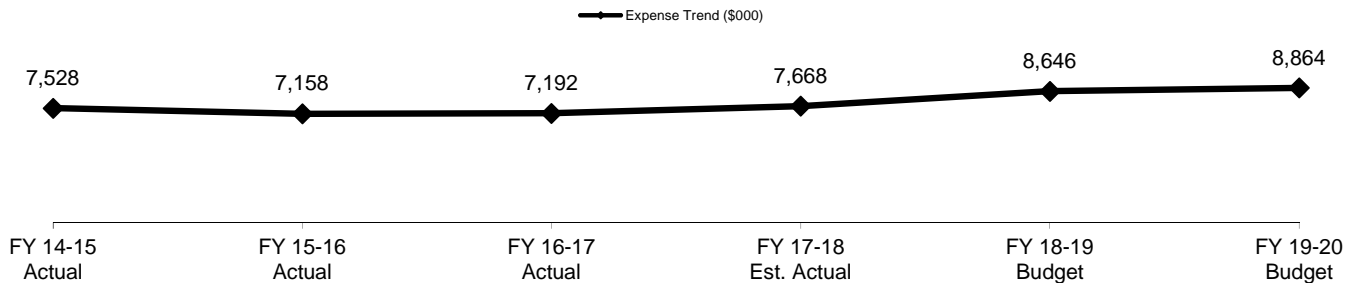
### SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>EFFLUENT DISPOSAL</b>							
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
<b>SPECIALTY EXPENSES</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$7,528,353</b>	<b>\$7,158,240</b>	<b>\$7,192,215</b>	<b>\$8,109,414</b>	<b>\$7,667,835</b>	<b>\$8,645,728</b>	<b>\$8,863,715</b>



# 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

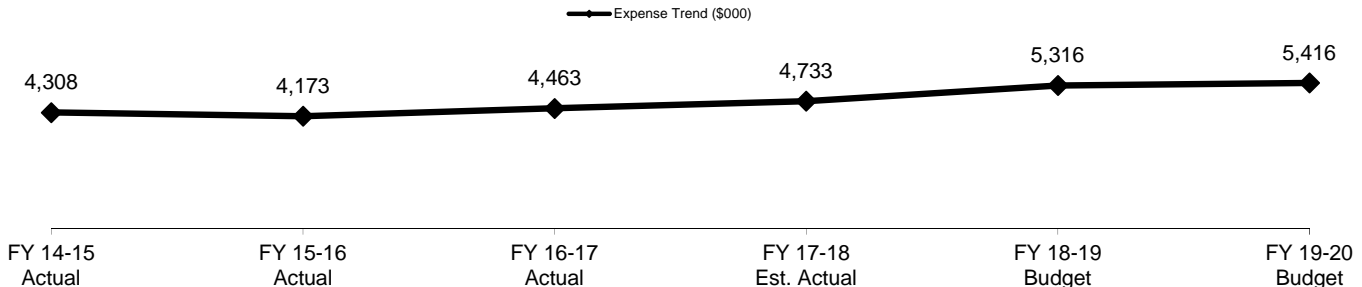
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services. Includes hours for RCPO staff to manage landscape contract.
- 5510 Supplies/Materials – Items required for staff to maintain plant facilities and equipment. FY16-17 budget includes funding to 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>SPECIALTY EXPENSES</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$4,308,067</b>	<b>\$4,173,233</b>	<b>\$4,462,931</b>	<b>\$5,229,907</b>	<b>\$4,732,928</b>	<b>\$5,315,862</b>	<b>\$5,415,512</b>



# **JOINT POWERS AUTHORITY**

## **Centrate Treatment – 751830**

### **FUNCTION**

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

### **SIGNIFICANT CHANGES**

No significant changes are anticipated for 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.

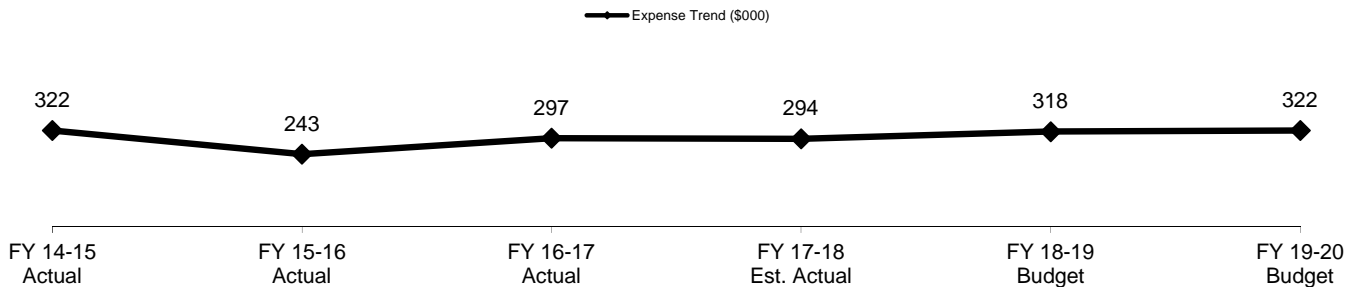
### **SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

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/Centrated 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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>MAINTENANCE DIVISION EXPENSE</b>							
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
<b>SPECIALTY EXPENSES</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$322,176</b>	<b>\$242,780</b>	<b>\$296,565</b>	<b>\$435,914</b>	<b>\$294,094</b>	<b>\$318,328</b>	<b>\$322,037</b>



# **JOINT POWERS AUTHORITY**

## **Administration – 751840**

### **FUNCTION**

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

### **SIGNIFICANT CHANGES**

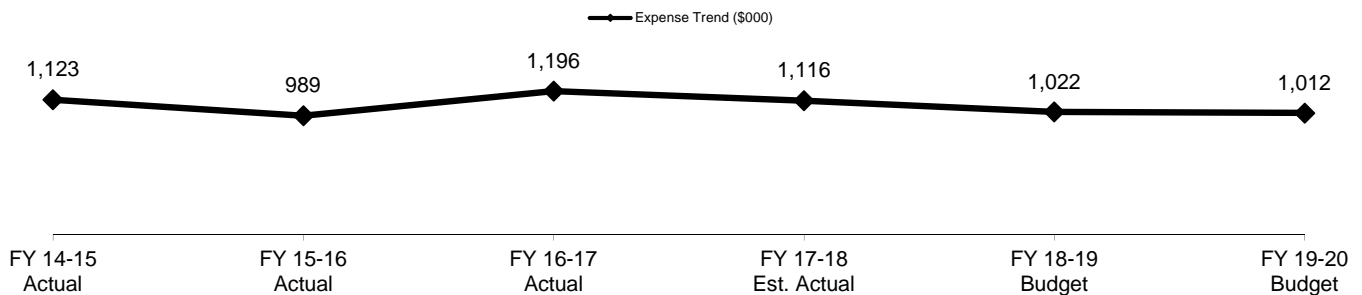
No significant changes are anticipated for FY18-19 or FY19-20.

### **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
<b>OPERATIONS DIVISION EXPENSE</b>							
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
<b>INVENTORY EXPENSES</b>							
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
<b>PUBLIC INFORMATION</b>							
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
<b>RESOURCE CONSERVATION</b>							
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
<b>ADMINISTRATIVE EXPENSES</b>							
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
<b>TOTAL EXPENSES</b>	<b>\$1,123,156</b>	<b>\$989,058</b>	<b>\$1,195,866</b>	<b>\$1,208,670</b>	<b>\$1,115,638</b>	<b>\$1,021,895</b>	<b>\$1,012,311</b>





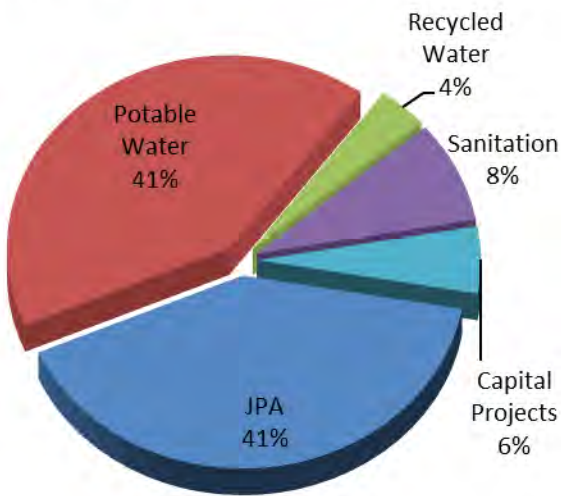


# INTERNAL SERVICES

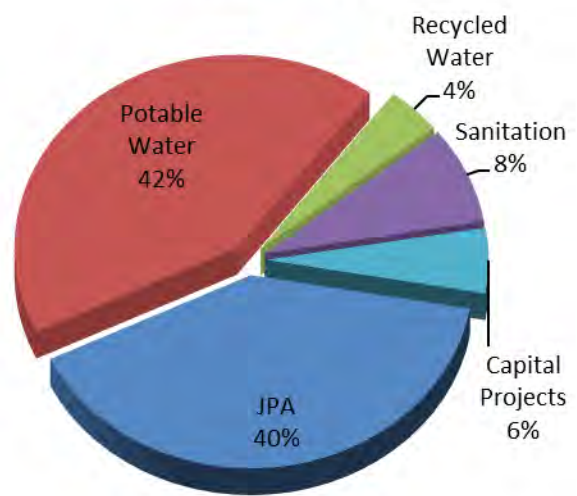
The Internal Service fund is used to account for all costs related to the General Administration of the District. In addition, all personnel related costs, including salaries, benefits, training, etcetera, are administered through the Internal Service fund. Personnel working in the various enterprises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

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

**FY 2017-18 Estimated Actual**



**FY 2018-19 Budget**



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

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

# DISTRICT STAFFING PLAN

FY 2018-19 - FY 2019-20

Business Unit	DIVISION Dept/Section	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Auth Positions	2017-18 Auth Positions	2018-19 Proposed Positions	2019-20 Proposed Positions
	<b>BOARD &amp; GENERAL MANAGER</b>						
701121	Administration	2.0	2.0	2.0	2.0	2.0	2.0
<b>TOTAL GENERAL MANAGER</b>		2.0	2.0	2.0	2.0	2.0	2.0

Business Unit	DIVISION Dept/Section	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Auth Positions	2017-18 Auth Positions	2018-19 Proposed Positions	2019-20 Proposed Positions
	<b>RESOURCE CONSERVATION &amp; PUBLIC OUTREACH</b>						
701210	Administration	2.0	2.0	2.0	2.0	2.0	2.0
701220	Customer Service-Administration	1.0	1.0	1.0	1.0	1.0	1.0
701221	Customer Service Operations	15.0	15.0	15.0	15.0	15.0	15.0
701226	Customer Service Programs	3.0	3.0	3.0	3.0	3.0	3.0
701223	Resource/Watershed Conservation	3.0	4.0	3.0	3.0	3.0	3.0
701230	Public Information	3.0	3.0	3.0	3.0	3.0	3.0
<b>TOTAL RESOURCE CONSERVATION &amp; PUBLIC OUTREACH</b>		27.0	28.0	27.0	27.0	27.0	27.0

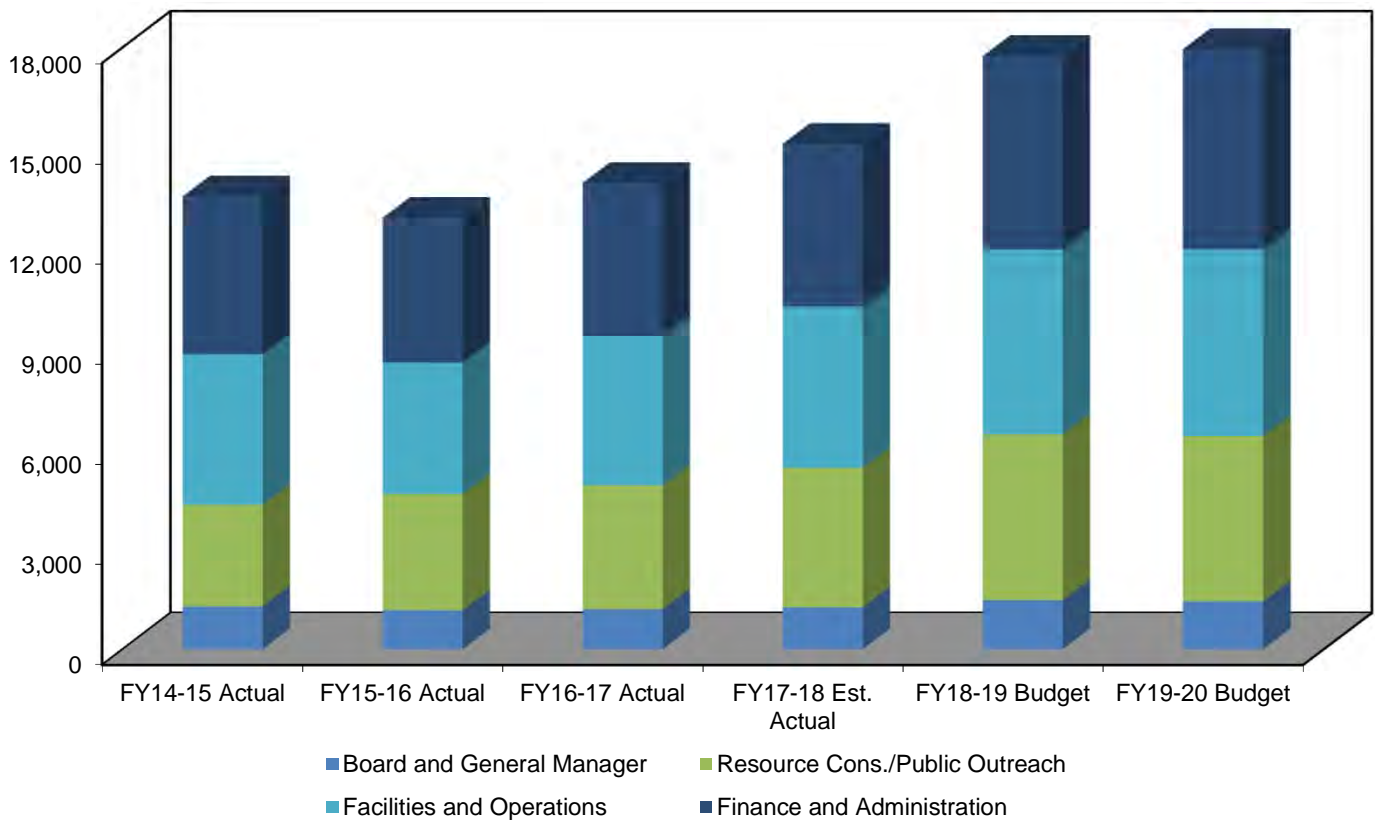
Business Unit	DIVISION Dept/Section	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Auth Positions	2017-18 Auth Positions	2018-19 Proposed Positions	2019-20 Proposed Positions
	<b>FACILITIES &amp; OPERATIONS</b>						
701310	Administration	2.0	2.0	2.0	2.0	2.0	2.0
701320	Facilities Maintenance-Admin	1.2	0.7	0.7	0.7	0.7	0.7
701326	Electrical/Instrumentation-Maint	6.0	7.0	7.0	7.0	7.0	7.0
701321	Facilities Maintenance-Maint	8.0	8.0	8.0	8.0	8.0	8.0
701325	Facilities Maintenance-Fleet	1.0	1.0	1.0	1.0	1.0	1.0
701330	Water Division-Admin	0.8	0.3	0.3	0.3	0.3	0.3
701331	Water Treatment & Production	11.0	11.0	11.0	11.0	11.0	11.0
701322	Construction	7.0	6.0	6.0	6.0	6.0	6.0
701340	Reclamation Division-Admin	3.0	3.0	3.0	3.0	3.0	3.0
701341	Reclamation Division-Lab	6.0	6.0	6.0	6.0	6.0	6.0
701342	Reclamation Division-Treatment	9.0	8.0	8.0	8.0	8.0	8.0
701343	Reclamation Division-Composting	6.0	7.0	7.0	7.0	7.0	7.0
701350	Technical Services Division	8.0	9.0	9.0	9.0	9.0	9.0
<b>TOTAL FACILITIES &amp; OPERATIONS</b>		69.0	69.0	69.0	69.0	69.0	69.0

Business Unit	DIVISION Dept/Section	2014-15 Auth Positions	2015-16 Auth Positions	2016-17 Auth Positions	2017-18 Auth Positions	2018-19 Proposed Positions	2019-20 Proposed Positions
	<b>FINANCE &amp; ADMINISTRATION</b>						
701410	Administration	2.0	2.0	2.0	2.0	2.0	2.0
701420	Information Systems	6.0	6.0	6.0	6.0	6.0	6.0
701430	Human Resources/Risk Mgmt	2.0	2.0	2.0	2.0	2.0	2.0
701440	Accounting	9.0	9.0	9.0	9.0	9.0	9.0
<b>TOTAL FINANCE &amp; ADMINISTRATION</b>		19.0	19.0	19.0	19.0	19.0	19.0

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

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
<b>Board and General Manager</b>	1,276	1,161	1,198	1,247	1,463	1,424
<b>Resource Cons./Public Outreach</b>	3,031	3,469	3,689	4,163	4,944	4,934
<b>Facilities and Operations</b>	4,492	3,920	4,467	4,838	5,550	5,607
<b>Finance and Administration</b>	4,747	4,355	4,593	4,871	5,786	5,980
	<b>13,546</b>	<b>12,905</b>	<b>13,947</b>	<b>15,119</b>	<b>17,743</b>	<b>17,945</b>



**Las Virgenes Municipal Water District  
Internal Service 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
<b>BOARD EXPENSES</b>							
6000 Directors' Fees	\$82,600	\$77,600	\$87,460	\$90,000	\$87,340	\$90,000	\$90,000
6005 Directors' Benefits	76,775	73,422	79,640	73,898	80,510	91,459	93,082
6005.1 OPEB	2,966	4,277	5,934	3,177	4,393	12,072	12,072
6010 Directors' Conference Expenses	33,169	24,588	32,859	30,000	36,848	30,000	30,000
6015 Directors' Miscellaneous	1,355	775	826	2,000	0	0	0
6020 Election Expense	54,821	0	292	0	0	61,000	0
Sub-total	\$251,686	\$180,662	\$207,011	\$199,075	\$209,091	\$284,531	\$225,154
<b>PAYROLL EXPENSES</b>							
6100 Staff Salaries	9,859,752	10,175,631	10,487,548	11,452,671	10,605,730	11,510,572	11,851,313
6102 Staff Overtime	357,888	414,572	411,060	255,118	486,038	256,401	264,093
6105 Staff Benefits	3,732,853	2,160,598	3,085,613	4,631,560	4,058,052	5,062,575	5,183,085
6105.1 OPEB	517,417	626,709	628,964	333,289	460,780	1,318,236	1,318,236
6110 Staff Taxes	935,629	1,012,997	1,107,358	1,074,662	1,051,631	1,129,149	1,159,031
Sub-total	\$15,403,539	\$14,390,507	\$15,720,543	\$17,747,300	\$16,662,231	\$19,276,933	\$19,775,758
6115 Staff Costs Recovered	(7,266,998)	(7,224,829)	(7,620,131)	(8,348,065)	(7,480,542)	(8,515,341)	(8,723,866)
Net Payroll Expenses	\$8,136,541	\$7,165,678	\$8,100,412	\$9,399,235	\$9,181,689	\$10,761,592	\$11,051,892
<b>OFFICE EQUIPMENT &amp; POSTAGE</b>							
6200 Forms, Supplies & Postage	110,267	119,243	83,485	164,752	72,208	99,260	101,570
6205 Equipment Rental	7,605	6,039	6,281	7,600	6,420	6,400	6,400
6210 Equipment Repairs	876	1,892	1,439	3,000	3,313	13,000	8,000
6215 Equipment Maintenance	323,835	342,201	345,890	330,500	338,071	350,028	373,366
6220 Outside Services	161,088	351,169	283,769	345,100	369,050	485,295	475,496
6225 Radio Maintenance Expense	7,815	28,928	31,316	11,551	20,000	20,000	20,000
6230 Safety Equipment	34,561	18,121	34,754	20,359	24,992	22,250	19,780
6235 Records Management	37,901	51,070	44,437	50,000	44,420	50,000	50,000
6250 Equipment Interest Expense	2,962	3,847	6,961	3,500	5,472	3,864	2,385
Sub-total	\$686,910	\$922,510	\$838,332	\$936,362	\$883,946	\$1,050,097	\$1,056,997
<b>PROFESSIONAL SERVICES</b>							
6500 Legal Services	94,087	100,464	90,351	99,000	92,014	103,200	103,200
6505 Legal Advertising	18,062	18,581	3,861	15,000	1,900	5,000	5,000
6516 Other Professional Services	167,471	117,442	115,248	562,115	42,652	270,235	282,735
6517 Audit Fees	37,500	31,664	29,055	38,100	23,845	30,000	32,000
6522 Management Consultant Fees	134,281	53,851	60,762	127,500	122,500	120,500	57,500
Sub-total	\$451,401	\$322,002	\$299,277	\$841,715	\$282,911	\$528,935	\$480,435
<b>RES CONSER/PUBLIC OUTREACH</b>							
6602 School Education Program	5,416	40,276	20,328	15,765	11,723	20,470	20,990
6604 Public Education Program	148,927	226,905	222,191	200,817	210,631	252,991	252,945
6606 Community Group Outreach	7,711	6,082	6,321	14,606	6,204	15,227	15,247
6608 Intergovernmental Coordination	17,897	16,252	20,705	17,909	30,029	24,768	25,396
Sub-total	\$179,951	\$289,515	\$269,545	\$249,097	\$258,587	\$313,456	\$314,578
<b>HUMAN RESOURCES</b>							
6800 Safety	11,768	11,513	14,306	38,000	17,500	38,000	38,000
6810 Recruitment Expenses	12,766	15,820	14,428	10,000	10,000	10,000	10,000
6812 Retired Employee Benefits	868,442	827,847	866,219	1,073,468	1,063,990	1,112,934	1,197,516
6815 Employee Recognition Function	16,021	8,652	12,853	15,000	13,200	15,000	15,000
6820 Employee Assistance Program	0	0	0	1,000	0	1,000	1,000
6825 Employee Wellness Program	5,470	7,470	7,996	10,000	9,000	10,000	10,000
6830 Training & Prof. Development	105,773	79,018	117,109	161,541	100,702	210,828	198,553
6840 DOT Testing	1,000	999	1,250	1,000	1,010	1,000	1,000
6850 Unemployment Ins. Benefit	1,155	1,575	0	5,000	5,000	0	0
6855 Donated Sick Leave	1,050	0	1,003	0	0	0	0
6872 Litigation - Outside Services	32,073	38,109	14,159	50,000	12,730	20,000	20,000
Sub-total	\$1,055,518	\$991,003	\$1,049,323	\$1,365,009	\$1,233,132	\$1,418,762	\$1,491,069

**Las Virgenes Municipal Water District  
Internal Service 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
<b>OTHER G&amp;A EXPENSES</b>							
7100 Provision for Uncollectible Accts	41,161	15,506	35,797	50,000	46,000	50,000	50,000
7105 Dues/Subscriptions/Memberships	118,073	119,490	141,200	111,325	115,006	115,200	115,050
7110 Travel/Misc. Expenses	1,707	3,823	3,119	7,387	3,065	12,880	12,885
7135.1 Property Insurance	32,707	32,678	33,759	35,014	31,910	32,866	33,852
7135.2 Liability Insurance	163,484	167,021	181,149	170,476	156,138	160,822	165,647
7135.3 Automobile Insurance	54,572	64,884	67,336	72,750	67,121	69,135	71,209
7135.4 Earthquake Insurance	53,183	52,626	54,215	56,389	34,641	35,680	36,751
7135.5 Excess Liability Insurance	201,897	198,720	194,333	211,921	198,739	204,701	210,842
7145 Claims Paid	718	0	3,459	0	505	0	0
7152 LAFCO Charges	18,501	24,631	22,050	21,000	20,367	22,000	22,000
Sub-total	\$686,004	\$679,381	\$736,417	\$736,262	\$673,492	\$703,284	\$718,236
<b>OPERATING EXPENSE</b>							
5400 Labor	282,308	406,544	379,847	371,647	342,895	428,743	438,298
5405.1 Utilities - Energy	141,743	117,059	103,506	133,575	100,000	107,000	114,000
5405.2 Utilities - Telephone	233,023	247,839	260,168	244,472	249,503	252,350	252,376
5405.3 Utilities - Gas	22,047	17,792	15,962	22,244	20,192	20,000	24,500
5405.4 Utilities - Water	14,963	15,535	17,812	15,323	15,000	15,000	15,000
5415 Outside Services	78,834	171,825	191,407	200,000	196,000	200,000	100,000
5430 Capital Outlay	95,079	89,470	88,481	75,500	57,902	75,500	125,500
Sub-total	\$867,997	\$1,066,064	\$1,057,183	\$1,062,761	\$981,492	\$1,098,593	\$1,069,674
<b>MAINTENANCE EXPENSE</b>							
5500 Labor	370,366	328,208	380,247	454,830	353,597	405,745	415,454
5510 Supplies/Materials	201,946	316,641	271,281	474,490	322,000	327,000	328,650
5510.1 Fuel	112,807	72,662	95,940	118,654	95,000	100,000	110,000
5515 Outside Services	315,657	331,713	428,275	373,733	356,000	382,500	362,725
5520 Permits/Fee	9,698	11,891	10,272	14,440	18,336	19,500	15,000
5530 Capital Outlay	7,871	9,135	481	23,200	23,000	40,500	515
6255 Rental Charge - Vehicles	153,536	158,463	178,498	206,113	211,267	237,029	255,475
Sub-total	\$1,171,881	\$1,228,713	\$1,364,994	\$1,665,460	\$1,379,200	\$1,512,274	\$1,487,819
<b>INVENTORY EXPENSE</b>							
5536 Inventory Adjustment	24,861	7,148	(4,967)	12,705	(5,875)	8,700	9,000
Sub-total	\$24,861	\$7,148	(\$4,967)	\$12,705	(\$5,875)	\$8,700	\$9,000
<b>GEN'L SPECIALTY EXPENSE</b>							
5725 Supplies and Small Tools	31,676	52,777	30,174	44,462	41,146	63,150	40,655
Sub-total	\$31,676	\$52,777	\$30,174	\$44,462	\$41,146	\$63,150	\$40,655
<b>TOTAL EXPENSES</b>	<b>\$13,544,734</b>	<b>\$12,906,123</b>	<b>\$13,947,701</b>	<b>\$16,512,143</b>	<b>\$15,118,811</b>	<b>\$17,743,374</b>	<b>\$17,945,509</b>
<b>ALLOCATED EXPENSES</b>							
ALLOCATED TECHNICAL SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED CUSTOMER INFO SYSTEMS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED LABORATORY EXPENSES	(\$525,015)	(\$500,353)	(\$564,200)	(\$614,009)	(\$561,592)	(\$650,276)	(\$667,735)
ALLOCATED VEHICLE EXPENSES	\$1	(\$2)	\$1	\$0	\$0	\$0	\$0
ALLOCATED LEGAL EXPENSES	(\$32,073)	(\$38,109)	(\$14,159)	(\$50,000)	(\$12,730)	(\$20,000)	(\$20,000)
ALLOCATED OPS BLDG EXPENSES	(\$176,164)	(\$191,890)	(\$167,300)	(\$194,021)	(\$186,968)	(\$214,204)	(\$177,609)
ALLOCATED INTERNAL G&A	(\$1)	\$2	\$8	\$1	\$0	\$0	\$0
ALLOCATED SUPPORT SERVICES(G&A)	(\$5,847,831)	(\$5,085,225)	(\$5,640,877)	(\$6,871,580)	(\$5,883,737)	(\$7,021,541)	(\$7,167,402)
ALLOCATED OPERATIONS SERVICES(G&A)	(\$6,963,651)	(\$7,090,546)	(\$7,561,174)	(\$8,782,534)	(\$8,473,784)	(\$9,837,353)	(\$9,912,763)
<b>TOTAL ALLOCATED EXPENSES</b>	<b>(\$13,544,734)</b>	<b>(\$12,906,123)</b>	<b>(\$13,947,701)</b>	<b>(\$16,512,143)</b>	<b>(\$15,118,811)</b>	<b>(\$17,743,374)</b>	<b>(\$17,945,509)</b>

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

				Cost Recipient				
	Total Costs	Direct Allocations	Allocated G&A Costs	JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
Central Service Provider								
General Manager	718,942	5,882	724,824	412,447	166,368	7,128	138,881	724,824
General Manager-100% LVMWD	277,400	(12,730)	264,670	-	268,566	-	(3,896)	264,670
Board of Directors	250,601	-	250,601	-	257,012	-	(6,411)	250,601
<b>Board of Directors &amp; GM</b>	<b>1,246,943</b>	<b>(6,848)</b>	<b>1,240,095</b>	<b>412,447</b>	<b>691,946</b>	<b>7,128</b>	<b>128,574</b>	<b>1,240,095</b>
RCPO Administration	402,212	-	402,212	228,868	31,023	-	142,321	402,212
Customer Service Admin	233,144	-	233,144	-	-	-	233,144	233,144
Customer Service Operations	1,529,523	505,095	2,034,618	-	2,305,823	12,513	(283,718)	2,034,618
Meter Service	925,029	-	925,029	-	1,051,555	-	(126,526)	925,029
Customer Service Programs	258,157	11,642	269,799	-	397,026	-	(127,227)	269,799
Resource/Watershed Conservation	429,611	5,882	435,493	-	518,890	57,654	(141,051)	435,493
Public Information	385,314	-	385,314	219,254	41,109	8,552	116,399	385,314
<b>RCPO</b>	<b>4,162,990</b>	<b>522,619</b>	<b>4,685,609</b>	<b>448,122</b>	<b>4,345,426</b>	<b>78,719</b>	<b>(186,659)</b>	<b>4,685,609</b>
Facilities & Operations Admin	361,485	5,882	367,367	209,042	205,066	43,410	(90,152)	367,367
Facilities Maint/Const Admin	167,926	4,105	172,031	97,891	96,257	20,376	(42,493)	172,031
Electrical	179,967	34,988	214,955	122,317	147,739	698	(55,799)	214,955
Maintenance	258,041	116,730	374,771	213,254	126,366	-	35,151	374,771
Building 8 Maintenance	387,192	-	387,192	220,325	-	-	166,867	387,192
Building 7 Maintenance	186,968	(186,968)	-	1	76,204	-	(76,205)	-
Construction	127,743	151,718	279,461	159,025	174,508	-	(54,072)	279,461
Fleet Maintenance	612,749	(612,749)	-	-	-	-	-	-
Water Administration	71,664	1,716	73,380	41,755	52,337	-	(20,712)	73,380
Water Treatment & Production	284,749	99,204	383,953	218,482	256,395	407	(91,331)	383,953
Reclamation Administration	490,127	11,642	501,769	285,523	-	-	216,246	501,769
Laboratory	549,950	(549,950)	-	(1)	354,076	-	(354,075)	-
Wastewater Treatment Facility	194,477	23,284	217,761	123,912	234,258	-	(140,409)	217,761
Composting Facility	122,242	29,167	151,409	86,155	149,215	-	(83,962)	151,409
Planning & Technical Services	843,461	(87,908)	755,553	433,712	63,745	590,415	(332,319)	755,553
<b>Facilities &amp; Operations</b>	<b>4,838,741</b>	<b>(959,139)</b>	<b>3,879,602</b>	<b>2,211,395</b>	<b>1,936,166</b>	<b>655,306</b>	<b>(923,265)</b>	<b>3,879,602</b>
Finance & Administration Admin	1,024,697	-	1,024,697	583,229	203,411	-	238,057	1,024,697
Information Systems	1,303,677	(317,922)	985,755	582,279	122,589	25,504	255,384	985,755
Human Resources	1,355,139	-	1,355,139	771,118	124,796	25,963	433,263	1,355,139
Finance & Accounting	1,187,124	-	1,187,124	675,511	402,245	54,722	54,646	1,187,124
<b>Finance &amp; Administration</b>	<b>4,870,637</b>	<b>(317,922)</b>	<b>4,552,715</b>	<b>2,612,137</b>	<b>853,041</b>	<b>106,188</b>	<b>981,349</b>	<b>4,552,715</b>
<b>Total Allocated G&amp;A Costs</b>	<b>15,119,311</b>	<b>(761,290)</b>	<b>14,358,021</b>	<b>5,684,101</b>	<b>7,826,580</b>	<b>847,340</b>	<b>-</b>	<b>14,358,021</b>
Direct Allocations								
Allocated Laboratory Expenses				376,267	185,325	-	-	561,592
Allocated Ops Bldg Expenses				93,484	93,484	-	-	186,968
Allocated Legal Expenses				-	12,730	-	-	12,730
<b>Total Direct Allocations</b>				<b>469,751</b>	<b>291,539</b>	<b>-</b>	<b>-</b>	<b>761,290</b>
<b>Total all Allocated Costs</b>				<b>6,153,852</b>	<b>8,118,119</b>	<b>847,340</b>	<b>-</b>	<b>15,119,311</b>

**Las Virgenes Municipal Water District  
Summary of Allocated Internal Service Costs  
FY 2018-19 Budget**

				Cost Recipient				
	Total Costs	Direct Allocations	Allocated G&A Costs	JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
Central Service Provider								
General Manager	840,000	6,399	846,399	473,609	200,783	8,604	163,403	846,399
General Manager-100% LVMWD	295,137	(20,000)	275,137	-	281,566	-	(6,429)	275,137
Board of Directors	328,082	-	328,082	-	337,863	-	(9,781)	328,082
<b>Board of Directors &amp; GM</b>	<b>1,463,219</b>	<b>(13,601)</b>	<b>1,449,618</b>	<b>473,609</b>	<b>820,213</b>	<b>8,604</b>	<b>147,193</b>	<b>1,449,618</b>
RCPO Administration	458,236	-	458,236	257,692	37,056	-	163,489	458,236
Customer Service Admin	288,493	-	288,493	-	-	-	288,493	288,493
Customer Service Operations	1,778,611	513,761	2,292,372	-	2,697,703	15,160	(420,491)	2,292,372
Meter Service	1,043,692	-	1,043,692	-	1,206,509	-	(162,817)	1,043,692
Customer Service Programs	298,281	12,665	310,946	-	469,577	-	(158,631)	310,946
Resource/Watershed Conservation	532,565	6,399	538,964	-	642,524	71,392	(174,952)	538,964
Public Information	543,664	-	543,664	305,686	55,843	11,617	170,517	543,664
<b>RCPO</b>	<b>4,943,542</b>	<b>532,825</b>	<b>5,476,367</b>	<b>563,378</b>	<b>5,109,211</b>	<b>98,169</b>	<b>(294,391)</b>	<b>5,476,367</b>
Facilities & Operations Admin	527,232	6,399	533,631	300,088	285,501	60,437	(112,395)	533,631
Facilities Maint/Const Admin	183,784	4,466	188,250	105,862	112,299	23,773	(53,684)	188,250
Electrical	326,624	38,062	364,686	205,084	210,133	513	(51,044)	364,686
Maintenance	322,840	126,986	449,826	252,962	163,487	-	33,377	449,826
Building 8 Maintenance	437,595	-	437,595	246,083	-	-	191,512	437,595
Building 7 Maintenance	214,204	(214,204)	-	-	104,669	-	(104,669)	-
Construction	231,514	165,048	396,562	223,008	230,717	-	(57,163)	396,562
Fleet Maintenance	666,588	(666,588)	-	-	-	-	-	-
Water Administration	78,756	1,866	80,622	45,339	61,152	-	(25,869)	80,622
Water Treatment & Production	272,644	107,921	380,565	214,011	280,247	535	(114,229)	380,565
Reclamation Administration	546,191	12,665	558,856	314,275	-	-	244,581	558,856
Laboratory	637,611	(637,611)	-	-	428,667	-	(428,667)	-
Wastewater Treatment Facility	70,148	25,330	95,478	53,692	212,176	-	(170,390)	95,478
Composting Facility	106,486	31,730	138,216	77,084	170,461	-	(109,329)	138,216
Planning & Technical Services	927,828	(83,925)	843,903	469,271	124,808	645,674	(395,849)	843,903
<b>Facilities &amp; Operations</b>	<b>5,550,045</b>	<b>(1,081,855)</b>	<b>4,468,190</b>	<b>2,506,759</b>	<b>2,384,317</b>	<b>730,933</b>	<b>(1,153,819)</b>	<b>4,468,190</b>
Finance & Administration Admin	1,076,815	-	1,076,815	598,494	216,147	-	262,175	1,076,815
Information Systems	1,730,308	(321,849)	1,408,459	783,592	161,297	33,557	430,014	1,408,459
Human Resources	1,569,823	-	1,569,823	850,916	144,722	30,108	544,076	1,569,823
Finance & Accounting	1,409,182	-	1,409,182	789,647	489,306	65,477	64,752	1,409,182
<b>Finance &amp; Administration</b>	<b>5,786,128</b>	<b>(321,849)</b>	<b>5,464,279</b>	<b>3,022,648</b>	<b>1,011,472</b>	<b>129,142</b>	<b>1,301,017</b>	<b>5,464,279</b>
<b>Total Allocated G&amp;A Costs</b>	<b>17,742,934</b>	<b>(884,480)</b>	<b>16,858,454</b>	<b>6,566,394</b>	<b>9,325,213</b>	<b>966,847</b>	<b>-</b>	<b>16,858,454</b>
Direct Allocations								
Allocated Laboratory Expenses				435,685	214,591	-	-	650,276
Allocated Ops Bldg Expenses				107,102	107,102	-	-	214,204
Allocated Legal Expenses				-	20,000	-	-	20,000
<b>Total Direct Allocations</b>				<b>542,787</b>	<b>341,693</b>	<b>-</b>	<b>-</b>	<b>884,480</b>
<b>Total all Allocated Costs</b>				<b>7,109,181</b>	<b>9,666,906</b>	<b>966,847</b>	<b>-</b>	<b>17,742,934</b>

**Las Virgenes Municipal Water District  
Summary of Allocated Internal Service Costs  
FY 2019-20 Budget**

	Total Costs	Direct Allocations	Allocated G&A Costs	Cost Recipient				
				JPA	Total LVMWD Operations	Capital Projects	Internal G&A Allocated/ (Received)	Total Allocations
Central Service Provider								
General Manager	846,008	6,708	852,716	475,438	203,113	8,704	165,461	852,716
General Manager-100% LVMWD	309,108	(20,000)	289,108	-	294,669	-	(5,561)	289,108
Board of Directors	269,360	-	269,360	-	277,952	-	(8,592)	269,360
<b>Board of Directors &amp; GM</b>	<b>1,424,476</b>	<b>(13,292)</b>	<b>1,411,184</b>	<b>475,438</b>	<b>775,734</b>	<b>8,704</b>	<b>151,308</b>	<b>1,411,184</b>
RCPO Administration	469,786	-	469,786	263,231	37,957	-	168,598	469,786
Customer Service Admin	294,478	-	294,478	-	-	-	294,478	294,478
Customer Service Operations	1,808,311	539,025	2,347,336	-	2,751,105	15,325	(419,094)	2,347,336
Meter Service	957,303	-	957,303	-	1,121,106	-	(163,803)	957,303
Customer Service Programs	306,014	13,276	319,290	-	480,303	-	(161,013)	319,290
Resource/Watershed Conservation	548,022	6,708	554,730	-	659,110	73,234	(177,614)	554,730
Public Information	550,214	-	550,214	308,250	56,394	11,732	173,839	550,214
<b>RCPO</b>	<b>4,934,128</b>	<b>559,009</b>	<b>5,493,137</b>	<b>571,481</b>	<b>5,105,974</b>	<b>100,290</b>	<b>(284,608)</b>	<b>5,493,137</b>
Facilities & Operations Admin	541,146	6,708	547,854	306,973	292,528	61,924	(113,572)	547,854
Facilities Maint/Const Admin	188,694	4,682	193,376	108,351	115,184	24,383	(54,542)	193,376
Electrical	333,810	39,899	373,709	209,401	215,229	513	(51,434)	373,709
Maintenance	300,402	133,114	433,516	242,907	161,073	-	29,536	433,516
Building 8 Maintenance	424,644	-	424,644	237,937	-	-	186,707	424,644
Building 7 Maintenance	177,609	(177,609)	-	1	105,158	-	(105,159)	-
Construction	224,285	173,013	397,298	222,615	231,955	-	(57,272)	397,298
Fleet Maintenance	698,759	(698,759)	-	-	-	-	-	-
Water Administration	80,903	1,957	82,860	46,428	62,806	-	(26,374)	82,860
Water Treatment & Production	279,341	113,129	392,470	219,909	288,174	551	(116,163)	392,470
Reclamation Administration	560,848	13,276	574,124	321,558	-	-	252,566	574,124
Laboratory	654,459	(654,459)	-	-	440,795	-	(440,795)	-
Wastewater Treatment Facility	72,144	26,553	98,697	55,303	218,239	-	(174,846)	98,697
Composting Facility	109,164	33,261	142,425	79,164	175,167	-	(111,906)	142,425
Planning & Technical Services	960,948	(86,680)	874,268	484,587	128,472	664,639	(403,430)	874,268
<b>Facilities &amp; Operations</b>	<b>5,607,156</b>	<b>(1,071,915)</b>	<b>4,535,241</b>	<b>2,535,134</b>	<b>2,434,780</b>	<b>752,010</b>	<b>(1,186,684)</b>	<b>4,535,241</b>
Finance & Administration Admin	1,074,436	-	1,074,436	600,541	221,826	-	252,068	1,074,436
Information Systems	1,844,654	(339,146)	1,505,508	835,139	169,074	35,174	466,120	1,505,508
Human Resources	1,618,605	-	1,618,605	903,468	152,275	31,680	531,182	1,618,605
Finance & Accounting	1,442,054	-	1,442,054	805,212	499,413	66,815	70,614	1,442,054
<b>Finance &amp; Administration</b>	<b>5,979,749</b>	<b>(339,146)</b>	<b>5,640,603</b>	<b>3,144,361</b>	<b>1,042,589</b>	<b>133,669</b>	<b>1,319,985</b>	<b>5,640,603</b>
<b>Total Allocated G&amp;A Costs</b>	<b>17,945,509</b>	<b>(865,344)</b>	<b>17,080,165</b>	<b>6,726,414</b>	<b>9,359,077</b>	<b>994,673</b>	<b>-</b>	<b>17,080,165</b>
Direct Allocations								
Allocated Laboratory Expenses				447,383	220,352	-	-	667,735
Allocated Ops Bldg Expenses				88,804	88,805	-	-	177,609
Allocated Legal Expenses				-	20,000	-	-	20,000
<b>Total Direct Allocations</b>				<b>536,187</b>	<b>329,157</b>	<b>-</b>	<b>-</b>	<b>865,344</b>
<b>Total all Allocated Costs</b>				<b>7,262,601</b>	<b>9,688,234</b>	<b>994,673</b>	<b>-</b>	<b>17,945,509</b>



# CAPITAL IMPROVEMENT PROJECTS

Each year the District prepares a Five-Year Infrastructure Investment Plan as a planning document used to identify the future facility improvements or replacement projects required by the District to maintain and improve the level of service to customers, or to achieve regulatory compliance. Annual funding approval is requested based on funding availability, priority of need and overall justification. Many projects span multiple fiscal years from design through construction and to the acceptance and ultimate use of the facility. The District appropriates funds as needed on an annual basis for the length of a project. If unforeseen delays in work result in an appropriation remaining unspent on a continuing project at the end of the fiscal year, that unspent appropriation will continue to be available for that project until the project is completed or cancelled. The projected annual expenditures shown in the following pages represent the total working capital requirements needed to complete the projects as scheduled. The FY18-19 and FY19-20 appropriations amounts represent additional funds needed in each of the upcoming fiscal years.

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

## Priority 1 – Essential Projects

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

## Priority 2 – Necessary Projects

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

## Priority 3 – Desirable or Deferrable Projects

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

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

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

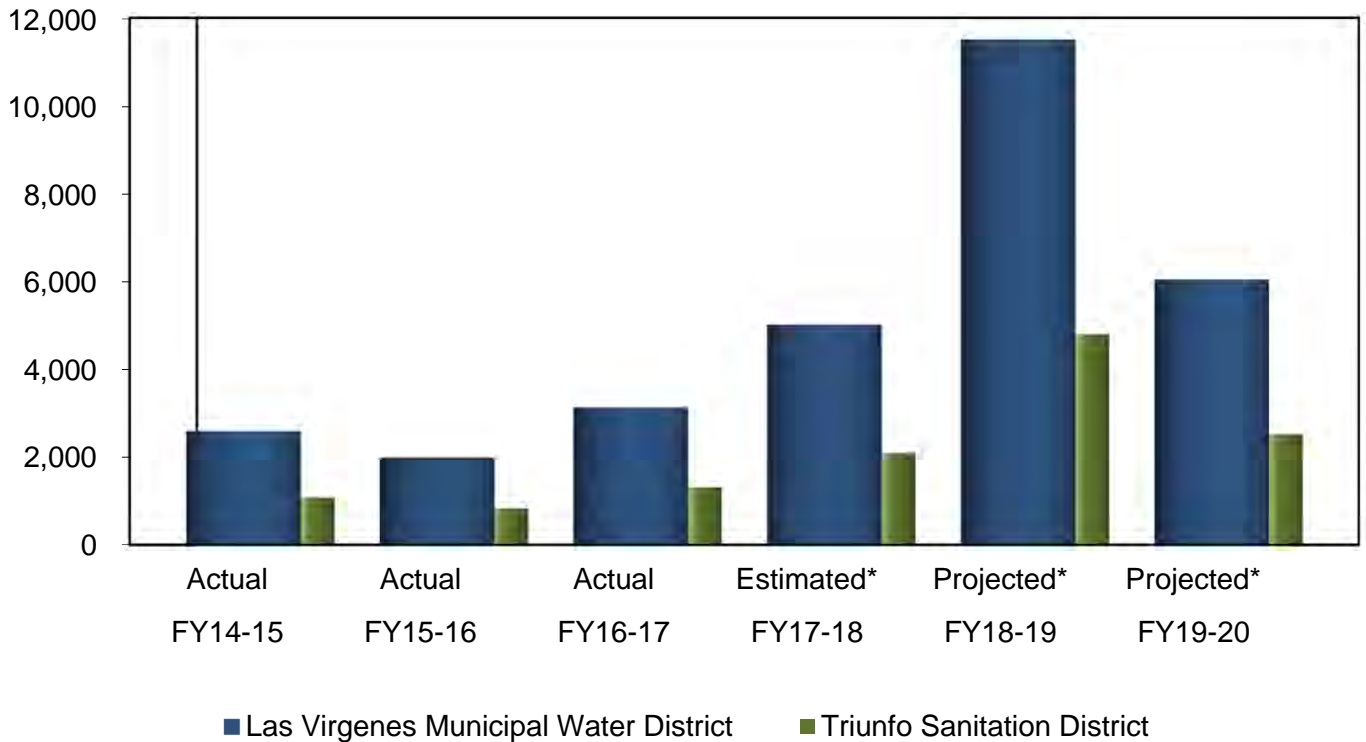
- Recycled Water Conservation Fund – Provides for construction of new facilities or services to support new users, as well as conservation programs, such as low flow toilet rebates. Source of revenue for this Fund is a component of the Water Capacity Fee for the Water Conservation Fund.
- Recycled Water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

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

The District has actively pursued funding for capital projects from various Federal, State and County government agencies. No grant funds are currently approved for the proposed JPA capital improvements. Staff also expects to receive incentives to offset the installation costs of the Lighting Efficiency projects, as well as annual operating cost savings from completion of those projects.

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

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



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

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status		through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10520	<b>SCADA System Communication Upgrades</b>	Schlageter	2 Deferred	Appr. Exp.	\$93,100 \$32,447	<b>\$0</b>	<b>\$0</b>
	Migration of the existing communication system from a serial radio network to an Ethernet based radio network. Provide redundant data paths for uninterrupted communication. Eliminate need to rely on telephone company equipment.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0		Anticipated Future Expenditures	Yes
10537	<b>Raw Sludge Wet Well Mixing Improvements</b>	Adams	2 Completed	Appr. Exp.	\$584,942 \$576,906	<b>\$0</b>	<b>\$0</b>
	Replace the existing centrifugal mixing pump with a pump that is more appropriate for sludge mixing.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0		Anticipated Future Expenditures	No
10540	<b>Lost Hill Overpass Recycled Water Main Relocation</b>	Zhao	2 Completed	Appr. Exp.	\$737,324 \$737,324	<b>\$0</b>	<b>\$0</b>
	Relocate the existing 10" recycled water pipeline in the Lost Hills overpass to the new overpass that will under construction beginning May 2015.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0		Anticipated Future Expenditures	No
10564	<b>Centrate Equalization Tank</b>	Schlageter	2 Continuing	Appr. Exp.	\$2,343,008 \$2,046,863	<b>\$0</b>	<b>\$0</b>
	Construct a centrate equalization tank at the centrate treatment facility.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction		25.00%		70.60%	29.40%	
	Sanitation Replacement		75.00%				
	Estimated Impact on Annual Operating Expense			\$0		Anticipated Future Expenditures	No
10565	<b>Rancho Las Virgenes Digester Cleaning and Repair</b>	Adams	1 Continuing	Appr. Exp.	\$1,789,494 \$1,629,066	<b>\$0</b>	<b>\$0</b>
	To clean out and evaluate the condition of existing digesters # 1. The full scope of repairs is unknown at this time but could include coatings ,concrete patching, pipe and valve repairs, removal of the steam lances, and repairs to hatches and seals.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0		Anticipated Future Expenditures	No

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status		through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10567	<b>Programmable Logic Controller Upgrades</b>	Schlageter	2 Continuing	Appr. Exp.	\$332,850 \$0	<b>\$0</b>	<b>\$376,700</b>
	This project replaces programmable logic controllers (PLC's) with newer PLCs and provides necessary equipment upgrades (fiber optics, network switches and programming) to complete the installation. This is a program project which addresses Tapia in the first two years and centrate treatment in the third year. Design will occur in the first year for all facilities.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes	
10589	<b>WIMS Software Implementation</b>		2 Completed	Appr. Exp.	\$32,350 \$25,740	<b>\$0</b>	<b>\$0</b>
	Purchase and installation of Water Information Management solution.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10597	<b>Tapia Electrical and Instrumentation Upgrades</b>	Korkosz	3 Completed	Appr. Exp.	\$66,000 \$66,000	<b>\$0</b>	<b>\$0</b>
	Replace obsolete and malfunctioning mechanical protective relays for generators with new solid state controls. The controls will provide better generator protection and troubleshooting capabilities (generators 1 & 2). Generator vendor will be selected through RFP process.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10608	<b>Rancho Amendment Bin and Conveyance Modification Project</b>	Adams	2 Continuing	Appr. Exp.	\$428,650 \$241,076	<b>\$1,260,000</b>	<b>\$0</b>
	The project consists of installing a new smaller amendment bin and modification to the conveyor system to simplify the amendment conveyance process.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status		through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10611	<b>Tapia Duct Bank Infrastructure Upgrade</b>	Korkosz	2 Continuing	Appr. Exp.	\$66,000 \$0	<b>\$94,000</b>	<b>\$0</b>
	Add new duct bank from the front gate to the chemical building with several intercept points along the way.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10617	<b>Flow Meter Replacement - JPA Meters</b>	Anders	1 Cancelled	Appr. Exp.	\$25,849 \$0	<b>\$0</b>	<b>\$0</b>
	Replace end of life flow meters at two (2) locations. Includes the purchase of wireless flow meters and installation.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10619	<b>Summer Season 2013 TMDL Compliance</b>	Dingman	1 Continuing	Appr. Exp.	\$200,000 \$149,760	<b>\$440,000</b>	<b>\$2,220,000</b>
	Construction of a 1MGD "side stream" treatment facility at Tapia to treat stream flow augmentation discharges to the 2013 TMDL limits of 1 mg/L total nitrogen and 0.1 mg/L total phosphorous. The cost estimate is based on membrane technology. The size is based on the maximum daily flow from 2013-2015.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction		25.00%		70.60%	29.40%	
	Sanitation Replacement		75.00%				
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes	
10621	<b>Recycled Water Tank Coating Evaluation and Repair</b>	Olinger	2 Completed	Appr. Exp.	\$30,000 \$22,590	<b>\$0</b>	<b>\$0</b>
	The project consists of evaluating the coatings of three (3) steel tanks (Indian Hills, Parkway, Cordillera), that have been identified as needing possible rehabilitation based upon the annual diver's inspection report. The project would include review of the applicable inspection reports and videos and update the "Coating Evaluations and Proposed Rehabilitation Activities" report that was last prepared in June 2002 with recommended rehabilitation.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes	



# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10626	<b>Process Air Improvements</b>	Schlageter	2 Continuing	Appr. \$1,621,584 Exp. \$447,166	<b>\$2,119,000</b>	<b>\$0</b>
	The first phase is to replace the existing Roots blowers with new, high efficiency, single stage blowers. To replace the air diffusers in the aeration basins with new full floor mounted fine bubble diffusers.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction		0.00%	70.60%	29.40%	
	Sanitation Replacement		100.00%			
	Estimated Impact on Annual Operating Expense		(\$184,000)	Anticipated Future Expenditures		No
10629	<b>Canyon Oaks Park RW Main Extension</b>	Schlageter	2 Continuing	Appr. \$399,780 Exp. \$4,904	<b>\$0</b>	<b>\$0</b>
	This extension will serve the City of Westlake Village's Canyon Oaks Park and eliminate a long private service line to Yerba Buena School.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation		100.00%	70.60%	29.40%	
	<b>Other Funding from: Prop 84 IRWMP</b>			<b>\$354,000</b>		
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures		No
10635	<b>Pure Water Project Las Virgenes-Triunfo</b>	Lippman	1 Continuing	Appr. \$1,850,000 Exp. \$1,231,219	<b>\$3,900,000</b>	<b>\$3,500,000</b>
	On August 1, 2016 the JPA Board selected indirect potable reuse using Las Virgenes Reservoir as the preferred scenario for the Basis of Design Report. This CIP will fund preliminary studies, outreach, CEQA analysis, preliminary design and final design.					
	<i>Sub-Projects: 10636-Mixing &amp; Dilution Study</i>					
	<i>10637-Facility Siting Study</i>					
	<i>10638-Demonstration Project</i>					
	<i>10650-Land Acquisition</i>					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	<b>Other Funding from: Grant funding</b>			<b>\$300,000</b>		
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures		Yes
10641	<b>Tapia Lighting Efficiency Upgrade</b>	Zhao	3 Completed	Appr. \$469,920 Exp. \$469,920	<b>\$0</b>	<b>\$0</b>
	Replace internal and external lights at Tapia.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	<b>Other Funding from: Incentives</b>			<b>\$25,000</b>		
	Estimated Impact on Annual Operating Expense		(\$53,000)	Anticipated Future Expenditures		No

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status		through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10643	<b>Rancho Reliability Improvements FY 17-18</b>	Dingman	2 Completed	Appr. Exp.	\$132,000 \$132,000	<b>\$0</b>	<b>\$0</b>
	Based on analysis of break history, facility age, pipe material, location and other distribution system indicators, this project will fund specific repair and/or replacement projects.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	Yes
10646	<b>Tapia Water Reclamation Facility Reliability Improvements FY 17-18</b>	Dingman	3 Completed	Appr. Exp.	\$132,000 \$132,000	<b>\$0</b>	<b>\$0</b>
	Based on analysis of break history, facility age, pipe material, location and other distribution system indicators, this project will fund specific repair and/or replacement projects.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	Yes
10650	<b>Land Acquisition</b>	Lippman	Completed	Appr. Exp.	\$2,000,000 \$2,100,000	<b>\$0</b>	<b>\$0</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Recycled Water Conservation		0.00%		70.60%	29.40%	
	Sanitation Construction		0.00%				
	Sanitation Replacement		100.00%				
	Estimated Impact on Annual Operating Expense					Anticipated Future Expenditures	No
10652	<b>Rancho Las Virgenes: FOG Receiving Facilities</b>	Dingman	3 Cancelled	Appr. Exp.	\$25,000 \$0	<b>\$0</b>	<b>\$0</b>
	To conduct a study to determine the market for local high strength wastes (food waste, fats, oils, and grease (FOG)) that can be fed into the third digester. After completion of the study, the installation of facilities for receiving and conveying fats, oils, and grease (FOG) and food waste into the newly constructed third digester.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Construction		20.00%		70.60%	29.40%	
	Sanitation Replacement		80.00%				
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	Yes

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10653	<b>Tapia Rehab FY17-18</b>		Continuing	Appr. \$1,549,100 Exp. \$89,249	<b>\$556,600</b>	<b>\$0</b>
	Rehabilitation or replacement of equipment in three different areas of Tapia WRF: rehabilitation of primary clarifiers No. 4 & 5, replacement of grit and skimmings piping, and replacement of 12 (of 20) channel 4 slide gates on the secondary sedimentation basins.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10654	<b>Hilton Foundation Solar Carport System</b>	Zhao	2 Continuing	Appr. \$300,000 Exp. \$1,395	<b>\$0</b>	<b>\$0</b>
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense				Anticipated Future Expenditures	No
10656	<b>Rancho Reliability Improvements</b>		Annual	Appr. \$0 Exp. \$0	<b>\$100,000</b>	<b>\$100,000</b>
	Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, exceedance of useful life, or obsolescence. Specific projects are identified for each fiscal year.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes
10657	<b>Tapia Water Reclamation Facility Reliability Improvements</b>	Dingman	3 Annual	Appr. \$0 Exp. \$0	<b>\$100,000</b>	<b>\$100,000</b>
	Based on analysis of break history, facility age, pipe material, location and other distribution system indicators, this project will fund specific repair and/or replacement projects.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes
10658	<b>Tapia Sluice Gate and Drive Replacement</b>	Olinger	2 New	Appr. \$0 Exp. \$0	<b>\$556,600</b>	<b>\$212,800</b>
	Replace existing gates in the tanks and channels at Tapia as well as drive mechanisms for flights and chains. Replace ten RAS gates in FY18-19.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10661	<b>A/B Bus Electrical Modification</b> Study the feasibility of reconfiguring the Tapia electrical switch gear and then hire electrical team to make the modifications. Construction cost estimates will be developed following the completion of the feasibility study.	Korkosz	3 New	Appr. Exp.	\$0 \$0	<b>\$100,000</b> <b>\$0</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10665	<b>Cordillera Tank Rehabilitation</b> Rehabilitation including interior and exterior coating, valve and appurtenance upgrades and replacements, restoration of deteriorated asphalt, and work to ensure up-to-date compliance for safety and water quality equipment.	Olinger	2 New	Appr. Exp.	\$0 \$0	<b>\$1,201,267</b> <b>\$0</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Recycled Water Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10666	<b>Calabasas Park Recycled Water Main Extension</b> Install approximately 1,200 LF of 6-8 inch pipeline to loop the existing recycled water system.	Schlageter	2 New	Appr. Exp.	\$0 \$0	<b>\$320,000</b> <b>\$0</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Recycled Water Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10667	<b>Tapia Headworks White Room Floor Plate Repair and Steel Framing Replacement</b> Modification or replacement is needed for the floor plates and steel framing floor plate supports in the white room located at Tapia's headworks building.	Dingman	2 New	Appr. Exp.	\$0 \$0	<b>\$55,000</b> <b>\$0</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status		through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
10668	<b>Rancho LV Storm Water Diversion Structure Replacement</b>	Dingman	2 New	Appr. Exp.	\$0 \$0	<b>\$30,000</b>	<b>\$0</b>
	Replacement of the two storm water diversion structures at the Rancho Las Virgenes Composting Facility. Increase the size and length of the farm field discharge pipeline.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10669	<b>Develop Tour Seating Area at Tapia &amp; Fish Tank Removal</b>	Lippman	3 New	Appr. Exp.	\$0 \$0	<b>\$25,000</b>	<b>\$0</b>
	Develop tour seating area at Tapia adjacent to the control building						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10670	<b>Centrate 20-Inch Valve Repair</b>	Triplett	2 New	Appr. Exp.	\$0 \$0	<b>\$150,000</b>	<b>\$0</b>
	Repair buried 20-inch Miliken valve at the centrate facility.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10680	<b>Rancho Las Virgenes Digester Cleaning and Repair</b>		2 New	Appr. Exp.	\$0 \$0	<b>\$225,000</b>	<b>\$1,300,000</b>
	Clean out and make all necessary repairs to digesters #2. the scope of repairs is based on the recently completed rehabilitation of digester # 1.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10682	<b>Rancho Las Virgenes: FOG Receiving Facilities</b>	Dingman	3 New	Appr. Exp.	\$0 \$0	<b>\$30,000</b>	<b>\$0</b>
	To conduct a study to determine the market for local high strength wastes (food waste, fats, oils, and grease (FOG)) that can be fed into the third digester. After completion of the study, the installation of facilities for receiving and conveying fats, oils, and grease (FOG) and food waste into the newly constructed third digester.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		70.60%	29.40%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		Yes

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2018	FY18-19 Appropriations	FY19-20 Appropriations
60033	<b>Pavement Restoration Rancho</b> Pavement restoration/slurry at Rancho	Dingman	3 New	Appr. Exp.	\$0 \$0	<b>\$0</b> <b>\$533,320</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201808	<b>Tapia Effluent Pump Station 4160 V Feeder Relocation</b> Remove or abandon in place existing 4160 Volt feeders currently encased in the top slab of the Effluent Pump Station Wet Well, underneath the existing MCCs. Perform electrical design and replace with overhead 4160 Volt feeders. Ensure coordination with 480V switchgear improvements	Korkosz	2 New	Appr. Exp.	\$0 \$0	<b>\$0</b> <b>\$100,000</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201810	<b>Tapia Tertiary Filters Rehabilitation</b> Tertiary Filters concrete rehabilitation. Approximately 25 locations that require a 1 square foot patching with rebar repair. Replace 45 metal plates (2' x 4') on the filter deck and fix concrete around the plates with proper joint sealer. Also include the repair of an electrical panel in the Filter gallery. Replace existing electric actuators at filter structure with new electric actuators. Program plant control system to function with both remote PLC control of actuators and local actuator control. Upgrade local controls to replace old filter annunciator panels which are currently located on the top deck of the filter structure. Potentially provide 1 local control panel for multiple filters. Provide weather protection for existing controls until replacement.	Dingman	2 New	Appr. Exp.	\$0 \$0	<b>\$0</b> <b>\$60,000</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes
201814	<b>Tapia Building Access Control</b> Add a Fob access control system to the current building alarm system	Korkosz	2 New	Appr. Exp.	\$0 \$0	<b>\$0</b> <b>\$50,000</b>
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Sanitation Replacement		100.00%		70.60%	29.40%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No

# JPA Capital Improvement Project Detail, FY2018-19 - FY2019-20

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<b>Total Capital Improvement Project Appropriations</b>		<b>\$11,262,467</b>	<b>\$8,552,820</b>
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<i>Total Other Funding</i>	<b>\$679,000</b>		
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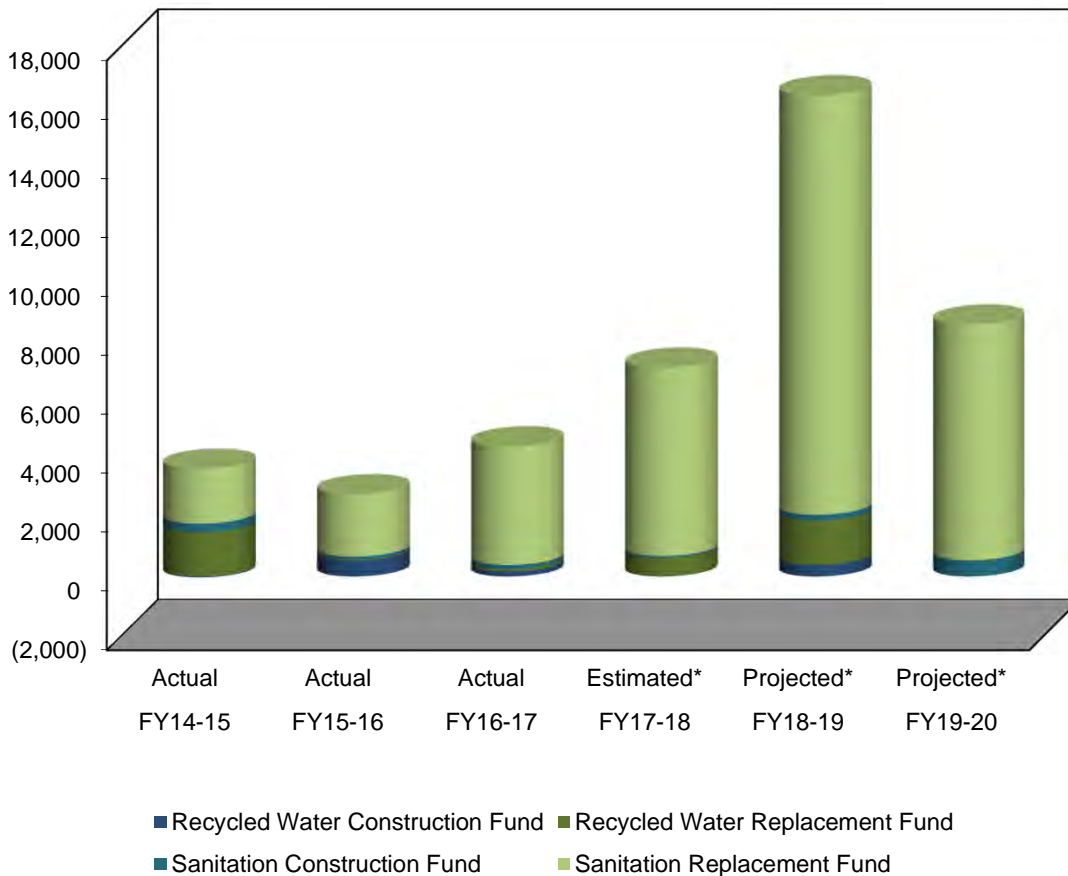
Total Estimated Impact on Annual Operating Expense	(\$237,000)		
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Appropriations by Fund	FY 2018-19 Appropriations	JPA Projects TSD Share	Net LVMWD Appropriations
Recycled Water Conservation	\$0	\$0	\$0
Recycled Water Replacement	\$1,521,267	\$447,252	\$1,074,015
Sanitation Construction	\$110,000	\$32,340	\$77,660
Sanitation Replacement	\$9,631,200	\$2,831,573	\$6,799,627
<b>GRAND TOTAL</b>	<b>\$11,262,467</b>	<b>\$3,311,165</b>	<b>\$7,951,302</b>

Proposed Expenditures by Fund	FY 2019-20 Proposed Expenditures	JPA Projects TSD Share	Net LVMWD Expenditures
Recycled Water Conservation	\$0	\$0	\$0
Recycled Water Replacement	\$0	\$0	\$0
Sanitation Construction	\$555,000	\$163,170	\$391,830
Sanitation Replacement	\$7,997,820	\$2,351,359	\$5,646,461
<b>GRAND TOTAL</b>	<b>\$8,552,820</b>	<b>\$2,514,529</b>	<b>\$6,038,291</b>

**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*
<b>Recycled Water Construction Fund</b>	(25)	543	166	3	395	-
<b>Recycled Water Replacement Fund</b>	1,514	33	85	644	1,521	-
<b>Sanitation Construction Fund</b>	295	108	144	56	197	555
<b>Sanitation Replacement Fund</b>	1,873	2,130	4,038	6,393	14,189	7,998
	<u>3,657</u>	<u>2,814</u>	<u>4,433</u>	<u>7,096</u>	<u>16,302</u>	<u>8,553</u>



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



**LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY  
CAPITAL IMPROVEMENT PROJECTS  
EXPENDITURE LISTING by FUND  
FY 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
<b>Recycled Water Conservation</b>								
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
<b>Total: Recycled Water Conservation</b>				<b>\$2,967</b>		<b>\$872</b>		<b>\$2,095</b>
<b>Recycled Water Replacement</b>								
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
<b>Total: Recycled Water Replacement</b>				<b>\$644,313</b>		<b>\$189,428</b>		<b>\$454,885</b>
<b>Sanitation Construction</b>								
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
<b>Total: Sanitation Construction</b>				<b>\$56,133</b>		<b>\$16,503</b>		<b>\$39,630</b>
<b>Sanitation Replacement</b>								
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
<b>Total: Sanitation Replacement</b>				<b>\$6,392,429</b>		<b>\$1,879,374</b>		<b>\$4,513,055</b>
<b>GRAND TOTAL</b>				<b>\$7,095,841</b>		<b>\$2,086,177</b>		<b>\$5,009,664</b>

**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	
<b>Recycled Water Conservation</b>							
10629	Canyon Oaks Park RW Main Extension	\$394,876	100.0%	\$394,876	29.4%	\$116,094	\$278,782
<b>Total: Recycled Water Conservation</b>				<b>\$394,876</b>		<b>\$116,094</b>	<b>\$278,782</b>
<b>Recycled Water Replacement</b>							
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
<b>Total: Recycled Water Replacement</b>				<b>\$1,521,267</b>		<b>\$447,252</b>	<b>\$1,074,015</b>
<b>Sanitation Construction</b>							
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
<b>Total: Sanitation Construction</b>				<b>\$196,596</b>		<b>\$57,799</b>	<b>\$138,797</b>
<b>Sanitation Replacement</b>							
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

**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
<b>Total: Sanitation Replacement</b>				<b>\$14,189,496</b>	<b>\$4,171,712</b>	<b>\$10,017,784</b>	
<b>GRAND TOTAL</b>				<b>\$16,302,235</b>	<b>\$4,792,857</b>	<b>\$11,509,378</b>	

**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	
<b>Sanitation Construction</b>							
10619	Summer Season 2013 TMDL Compliance	\$2,220,000	25.0%	\$555,000	29.4%	\$163,170	\$391,830
<b>Total: Sanitation Construction</b>				<b>\$555,000</b>		<b>\$163,170</b>	<b>\$391,830</b>
<b>Sanitation Replacement</b>							
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
<b>Total: Sanitation Replacement</b>				<b>\$7,997,820</b>		<b>\$2,351,359</b>	<b>\$5,646,461</b>
<b>GRAND TOTAL</b>				<b>\$8,552,820</b>		<b>\$2,514,529</b>	<b>\$6,038,291</b>



**Las Virgenes-Triunfo Joint Powers Authority**  
**FY 2018-19 & FY 2019-20 Budget Planning Calendar**

Date	Board Activity	Description
2/5/2018	Board Meeting	Budget Process review - distribute Budget Planning Calendar Quarterly Financial Review - Second Quarter
2/10/2018	-	Budget submissions from TSD due to Administering Agent
3/5/2018	Board Workshop	Budget Workshop
Tentative	Board Meeting	IIP Review
3/26/2018	-	Meetings with GM/Department staff, TSD staff
5/7/2018	Board Meeting	Quarterly Financial Review - Third Quarter Preliminary Budget provided to Board
6/4/2018	Board Meeting	Budget Adoption

# GLOSSARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**NPDES** – National Pollution Discharge Elimination System

**O&M** – Operations and Maintenance

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

# ACRONYMS

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

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

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



## Memorandum

To: Las Virgenes - Triunfo Joint Powers Authority  
 From: Syrus Devers, Best Best & Krieger  
 Date: May 24, 2018  
 Re: Monthly State Legislative Report

### Administrative Report

The May Revise to the State Budget contained no surprises and Governor Brown continued his long-running sermon on the need to prepare for the next recession. Consistent with the January Budget, the May Revise proposes to fill the Rainy Day Fund by the end of this year. Brown proposed three one-time spending increases to infrastructure (\$2 billion), homelessness (\$359 million), and mental health (312 million). Great pains were taken to point out that the budget projections assume a continued economic recovery lasting longer than any in history, and record unemployment through 2022. The previous record for unemployment staying below 5% was 11 months in 2006.

### Legislative Report

The next major deadline for the Legislature is May 25th when the fiscal committees must report bills to their respective floors. After that there will be one short week (because of Memorial Day) to move a bill introduced in 2018 out of the house of origin. No policy committees can meet for any purpose the final week of May.

**SB 2050 (Caballero-Small district consolidation):** The water industry's answer to the water tax and the problems of disadvantaged water districts. The bill passed the Assembly Local Government Committee on a party-line vote with Vice Chair Marie Walderon voting against. The bill is now in Appropriations where it was sent to the suspense file. The date of the suspense file hearing is Friday the 25th because of the holiday weekend.

**SB 998 (Dodd-Water shut off prohibitions):** Although significantly amended, several objectionable provisions remain. The Senate Judiciary analysis pointed out areas where the bill actually removed protections for low-income customers in current law. As before, Democrat committee members questioned the need for the bill but passed it as a work in progress. Republicans voted "no" and Sen. Henry Stern stayed off despite being present to vote. The bill is now on the Senate Floor. There are few, if any, significant negotiations with the author. Staff has all



but indicated they've gone as far as they can. When potential Prop. 218 violations are pointed out, the response is "we'll work on it."

**SB 606 (Hertzberg, previously Skinner)/AB 1668 (Friedman) Water efficiency bill package:**

Victory celebrations were held last week. The administration had been signaling for some time that it would support a 13% credit for potable recycled water use, but Assembly Member Blanca Rubio negotiated a 15% credit for existing facilities which garnered significant new support for the bill. The votes split along party lines except for Senator Josh Newman, who is facing a recall election in two weeks, who voted against AB 1668.

**Tax on Water:** As expected, the Assembly Budget Subcommittee on Natural Resources, chaired by our own Assemblyman Richard Bloom, passed the budget trailer bill language, but the Senate Subcommittee did not. That means the item will go to a budget conference committee where leadership exercises significant control, which means we'll still be fighting this one in August.



## Federal Activities Report

for the



**PURE WATER PROJECT**  
**LAS VIRGENES-TRIUNFO**

Bringing Our Water Full Circle

John Freshman  
Senior Director of Governmental Affairs  
Best Best & Krieger LLP



## WASHINGTON UPDATE -- MAY 2018

### LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY

#### I. CURRENT LEGISLATIVE ACTIVITY

Congress has been busy in May and will continue in June on two fronts, authorizations and appropriations:

##### AUTHORIZATIONS:

- The *Water Resources Development Act (WRDA)* — This legislation authorizes the Army Corps of Engineers to perform a variety of water projects throughout the country. A new WRDA providing authorization for specific projects is generally enacted every two years. Appropriations to fund these projects must be provided separately. The Omnibus passed earlier this spring, which funds the government for the remainder of FY2018, includes \$70 million for Environmental Infrastructure. While this money is not currently available to the JPA, it is important to note that the strength of the Environmental Infrastructure account shows a willingness of Congress to invest significant funds in water projects. As the Pure Water Project moves forward, WRDA authorization may become a future option. To keep the option open, the JPA should continue to meet with the local Army Corps of Engineers officials. Conversations with the local officials keep the Corps engaged and may increase the likelihood of a future authorization. One downside to the process is that it takes a long time. However, one significant plus is that the Corps is directly engaged and hands on in their projects.

There are no similar authorization bills for the Bureau of Reclamation or Water Infrastructure Finance and Innovation Act (WIFIA). Bureau projects and WIFIA funding are administered through their respective agencies. It is important to note that both the Bureau of Reclamation and WIFIA received increased funds in the FY2018 Omnibus.

- *Infrastructure* — There have been numerous pieces of legislation introduced in both chambers that are intended to streamline the permitting and approval process for public works projects. This was a key component of the President's Infrastructure Plan introduced earlier this year. One example of this legislation is H.R. 23, Gaining Responsibility on Water Act of 2017, introduced by Rep. David Valadao (CA). H.R. 23 was passed by the House of Representatives in July 2017.

The Senate Environment and Public Works Committee passed its own infrastructure bill, S. 2800, to accelerate review and approval of projects mostly at the Corps of Engineers.



However, no particular piece of legislation has passed both chambers, to be sent to the President for signature.

## **APPROPRIATIONS:**

- The appropriations process for FY2019 is well underway – the deadline to avoid another Continuing Resolution is September 30, 2018. The two bills pertinent to the JPA are Energy and Water Appropriations (E&W) and Interior and the Environment Appropriations.
- E&W bills have been passed out of the House and Senate Appropriations Committees and are awaiting votes by the whole chamber of each. The House bill appropriates \$35 million and the Senate bill appropriates \$34 million for Title XVI – both proposed appropriations are a decrease from the FY2018 appropriated level of \$54 million. While less, it is important to note that there is an effort within the chambers to extend the Title XVI program beyond its initial authorized level. If and when this passes, this will allow Congress to increase yearly appropriation levels of Title XVI.
- The House Interior and Environment Appropriations Bill has increased the WIFIA program to \$75 million—an increase of \$12 million from the FY2018 appropriated level. The bill has been held up in committee due to a number of controversial riders.
- We currently have WIFIA grants in play, and they are likely to form at least part of our funding package for construction of the new advanced wastewater treatment plant. The deadline for applications for a long-term loan is now July 31, 2018. These are very flexible but quite expensive to fully apply for: approximately \$400,000. Currently this is a widely underutilized program, and competitive applications have a strong likelihood of award. If you would like more information on the full application process for WIFIA, please let us know.

## **II. FUTURE LEGISLATIVE ACTIVITY**

- Congress will continue to push to complete all of the appropriations bills, including the ones we care about, and is likely to complete a new WRDA. However, the appropriations will likely be stalled over immigration and other extraneous but politically important issues. We will continue to monitor and report on developments as they occur and include them in monthly reports.

## **III. FUNDING FOR JPA PROJECT**

- Working closely with you, we will continue to pursue project-funding opportunities. We should consider engaging the Corps despite the difficulties mentioned above. They have the monetary capability to fund large projects.
- Additionally, we need to continue to pursue additional Title XVI grants.



- WIFIA remains a real possibility despite the initial costs.
- Finally, we believe that earmarks are slowly but surely returning albeit in different forms. We need to stay ahead of those developments as we move toward the major costs of the treatment plant funding.

**IV.** For your information, we have attached an analysis of the current status of federal funding. Please let us know if you have any questions about the report or the attachment.

Thank you.

**CALIFORNIA INFRASTRUCTURE NEEDS AND FEDERAL MONEY**



Shasta Dam under construction, 1943

How it used to be

When the Central Valley Project was built in the 1940s to move water from the north of California to the south and then on to Kern County, it was done primarily with federal money. Congressman Harold “Bizz” Johnson, a Democrat from Northern California’s vast 1st congressional district, and Congressman Don Clausen, a Republican from the 2nd congressional district which runs along the coast from the Golden Gate Bridge to the Oregon border, worked in tandem in a Democratic Congress to provide grants covering up to 75% or more of project costs. No problem. The dams went up, the canals went in and water flowed. My how things have changed.



Don Clausen



Harold “Bizz” Johnson



### Shifting needs

In recent years, drought has shifted water priorities in California and across the West. Deliveries of imported water have decreased, and people have become increasingly interested in gaining control over their own supplies. This is true particularly in Southern California, but similar trends are spreading throughout the State and region.

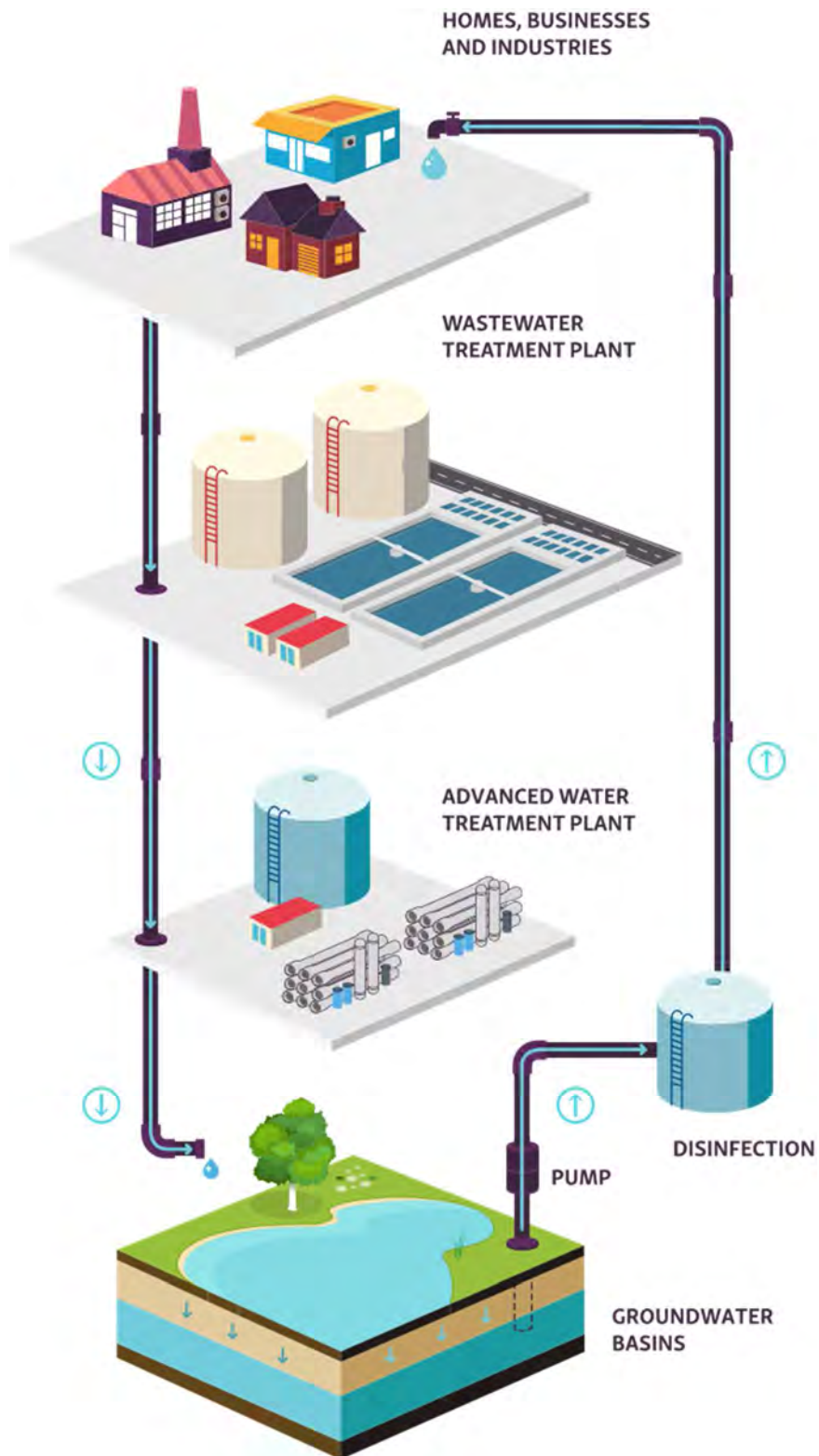
Today, the highest priority water projects are:

- Groundwater storage and treatment,
- Wastewater reclamation,
- Storm water capture, and
- Surface water storage.

The ways to fund these efforts and obtain federal money have changed dramatically too. Some grants and many loans are available but they require more legwork, more coordination and are harder to get – harder, but not impossible.



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ATTORNEYS AT LAW



<http://www.mwdh2o.com/DocSvcsPubs/rwvp/index.html#home>





### Steady funding

The amount of federal money available for water projects has held steady (see attached Federal Funding chart). This is further reflected in the recently reported fiscal year 2019 energy and water appropriations spending bill in the House.

However, the way that money reaches projects has changed dramatically over time. Gone are the days of control by the Johnsons and Clausens of the world: Legislative earmarks are largely a thing of the past although they may be returning in an altered form. Instead, funding is allocated from the bottom up. In addition, loans are replacing grants.

### Funding programs

California already administers successful loan programs, including the Clean Water State Revolving Fund (SRF) and Drinking Water SRF. These programs are funded by the Environmental Protection Agency (EPA) and administered by states. These funds tend towards larger communities which have the resources to apply and birddog the process and carry the debt service.

The Water Infrastructure Finance and Innovation Act (WIFIA), signed into law in June 2014, provides long-term, low-cost supplemental loans for regionally and nationally significant projects. WIFIA has wide support from the Administration and Congress and will grow. While these loans cannot fund more than 49% of the project costs, they can be paired with other funding, including:

- EPA's Clean Water SRF and Drinking Water SRF programs,
- The Bureau of Reclamation's Title XVI, WaterSMART, or Desalination and Water Purification programs, and
- Many other sources of funding—public and private.

### New California funding

California's Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) authorized \$7.545 billion in general obligation bonds for water projects in the State. \$2.7 billion of the Proposition 1 funding is dedicated to water storage projects



and is administered by the California Water Commission through the Water Storage Investment Program (WSIP). To date, 12 projects have applied for WSIP funds with requests totaling \$5.8 billion. The Commission began considering the WSIP applications in May 2018. The projects include the Sites Reservoir Project in the Sacramento Valley and Temperance Flat Reservoir Project in the San Joaquin Valley.

An additional \$2.145 billion of the Proposition 1 funding is administered by the State Water Resources Control Board for five categories of water projects:

- Small community wastewater,
- Water recycling,
- Drinking water,
- Stormwater management, and
- Groundwater quality.



## Federal Funding for Water Projects Fiscal Year 2018

Army Corps of Engineers		
<i>Change from Fiscal Year 2017</i>		
<b>Total Agency Funding</b>	<b>\$6.8 billion</b>	<b>+ \$789 million (13%)</b>
Operations & Maintenance	\$3.6 billion	+ \$481
Water Project Construction	\$2.1 billion	+ \$209 million
Other Activities:		
• Regulatory Program	\$200 million	no change
• General Investigations	\$123 million	+ \$2 million

Environmental Protection Agency		
<i>Change from FY 2017</i>		
<b>Total Agency Funding</b>	<b>\$8.1 billion</b>	<b>no change</b>
Clean Water SRF	\$1.7 billion	+ \$300 million
Drinking Water SRF	\$1.16 billion	+ \$297 million
Nonpoint Source Pollution Grants	\$171 million	no change
WIFIA	\$63 million	+ \$43 million
State and Tribal Assistance Grants	\$3.6 billion	+ \$35 million

Bureau Of Reclamation		
<i>Change from FY 2017</i>		
<b>Total Agency Funding</b>	<b>\$1.5 billion</b>	<b>+163 million (12%)</b>
Title XVI	\$54.4 million	+ \$21.9 million
Drought Response & Comprehensive Drought Plans	\$4 million	– \$2 million
CalFed	\$37 million	+ \$1 million
WaterSMART Grants	\$34 million	+ \$6 million
Western Drought	\$4 million	– \$2 million
Desalination and Water Purification Program	\$17.8 million	



## Working with the Federal Government for Funding in the Past Earmark Era

Traditionally, federal agencies have operated independently of state and local entities and other federal agencies. For California to successfully develop the projects that it needs, this must change. Project sponsors need to spend more time keeping agencies at the federal, state and local levels educated and coordinated for projects to succeed.

The Bureau of Reclamation, EPA and Army Corps of Engineers each play a different role in California with different strengths and challenges when it comes to supporting local water projects:

- While the Bureau of Reclamation has a strong regional presence in California,
- EPA is primarily active in Sacramento and mostly plays a regulatory role.
- The Army Corps of Engineers is the most independent federal agency because it supervises, engineers and constructs its projects. In contrast, EPA and the Bureau provide funding for projects, but the construction is performed by the project sponsor.

## How to do it

State and local agencies will have to shoulder the responsibility of coordination. Large communities can do it on their own or with help from lawyers and consultants. Smaller communities will need further assistance—likely from the State. Bar associations and county organizations will have to get involved. The funds remain robust. The effort to secure them needs to be equally robust.

When working with all three federal agencies, the local “team” knowing you and your project is important. This is particularly true for the Army Corps.

- Bureau: As much as you can, interact with D.C. They too like to know what’s going on. If you do not get Title XVI money after applying, their team will walk you through how to make your application more competitive.
- EPA: EPA’s WIFIA is really run by the Army Corps, and the SRF by the states. Getting to know the WIFIA team is key to understanding what they are looking for. Depending on the project, the Army Corps office will try to find creative ways for the agency to help.



- Army Corps of Engineers: Getting to know the local team is absolutely key here. Once that relationship is established, then bring in the director for the region in D.C.
- Agriculture: For select areas, AG has a number of grants and loans that go largely untapped. These are best for underprivileged and smaller areas. Congress still maintains oversight responsibility and exercises it regularly.

In all instances, bringing in your congressional delegation is key, whether it is to be able to go back later for a letter of recommendation or to request an account be maintained or increased.

### Conclusion

Balancing the nonexistence of earmarks with the growing need for infrastructure requires creativity and some flexibility. Without earmarks it is hard but not impossible.

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**INFORMATION ONLY**

June 4, 2018 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

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**Subject : Tank Rehabilitation Priority Summary and Request for Proposals for Cordillera Tank Rehabilitation Design**

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On May 22, 2018, the LVMWD Board, acting as Administering Agent of the JPA, approved a Request for Proposals for design and engineering services during construction for the Saddle Peak and Cordillera Tank Rehabilitation Project. The potable and recycled tanks were grouped together for this design to minimize the overall cost of the work. The costs for design and construction work on the two tanks will be tracked and allocated separately. All costs associated with Saddle Peak Tank will be charged to LVMWD. Costs associated with Cordillera Tank will be charged to the JPA and allocated 70.4% to LVMWD and 29.6% to Triunfo Sanitation District.

**SUMMARY:**

Staff prepared a summary of current tank coating information in an effort to prioritize and plan for the required maintenance and rehabilitation work needed to manage assets and maximize the life of the District's tanks and infrastructure. The tank prioritization summary is part of a larger effort by the District to provide comprehensive asset management in support of the Infrastructure Investment Plan. The District currently has 26 potable water tanks and three recycled water tanks. Many of the tanks were constructed over 30 years ago, and the coatings are reaching the end of their useful service life.

Each year the District inspects and cleans five potable water tanks and all three recycled water tanks. From these inspection reports and input from operations, staff prioritized the tanks for rehabilitation and identified Cordillera Tank as the highest priority recycled tank for coating repairs.

A Request for Proposals (RFP) was prepared to solicit qualified firms to prepare plans and specifications, and provide engineering services during construction for the Saddle Peak and Cordillera Tank Rehabilitation Project.

The RFP was circulated based on the following schedule:

Approval of Request for Proposals	May 22,2018
Pre-proposal Meeting	By request (optional)
Proposal Due Date	June 19, 2018
Acceptance of Proposal (Board Meeting)	July 10, 2018

The proposed Fiscal Year 2018-19 JPA Budget includes an appropriation for the rehabilitation of Cordillera Tank. Pending approval of the Fiscal Year 2018-19 JPA Budget, sufficient funding will be available. Costs for the design and construction work on the two tanks will be tracked and allocated separately because Saddle Peak Tank is an LVMWD-only facility and Cordillera Tank is a JPA facility. There is no cost associated with the release of the RFP for design, and the design contract is anticipated to be recommended for award by the LVMWD Board on July 10, 2018, after a new fiscal year budget has been approved.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**FINANCIAL IMPACT:**

There is no financial impact associated with issuance of a Request for Proposals.

**DISCUSSION:**

Staff recently presented the Fiscal Year 2018-20 Tactical Actions and Activities to the LVMWD Board, including Strategic Objective No. 9, to enhance the District's Asset Management Programs. In an effort to improve asset management, staff prepared a summary compiling current tank coating condition information, which is intended to aid in prioritizing repairs. Many of the District's tanks were constructed over 30 years ago, and the coatings are reaching the end of their useful service life.

In June 2002, M. J. Schiff & Associates, Inc. completed an evaluation and rehabilitation master plan for all of the District's tanks. The majority of the necessary improvements identified in the master plan have been completed for the District's tanks. Although these improvements were performed to many of the tanks, the coatings have continued to age and many are approaching the end of their service life. Many of the District's tanks were originally coated with a hot-applied coal tar enamel, which provided a very durable surface and a service life that commonly exceeds 30 years. However, due to changes in regulatory requirements, the District ceased using coal tar enamels and began using epoxy coating products for its steel tanks. Epoxy coatings are most commonly used for steel tanks in the industry, providing excellent corrosion protection. Although these new coatings meet the current regulatory requirements, their service life is considerably less on average than the older coal tar products with most epoxy coatings requiring rehabilitation within 10 to 20 years of application.

The existing tank coating conditions were categorized and sorted in the attached Tank Rehabilitation Priority Summary. Priorities were established for rehabilitation and targeted fiscal years were projected for construction based on the life expectancy of the existing coatings and the District's ability to budget for and complete the rehabilitations. Identified as the top priorities, Saddle Peak and Cordillera Tanks currently exhibit failing coatings and corrosion, requiring rehabilitation. Cordillera Tank is a 3.0-million-gallon recycled water storage tank in the 1529-foot zone that supplies recycled water to eastern Calabasas. It is a steel tank and was constructed in 1993.

The scope of work for the renovation of Cordillera tank generally consists of the following: recoating the interior of the tank, recoating or touchup of the exterior, modifying the existing manways, reconfiguring the inlet/outlet piping as needed to improve water circulation, replacing deteriorated valves, improving the vent systems, updating the roof hatches and ladders to current standards, replacing the ring seals and repairing the access road.

**GOALS:**

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

Prepared by: Coleman Olinger, P.E., Associate Engineer

**ATTACHMENTS:**

Tank Rehabilitation Priority Summary  
Cordillera Tank Photos  
RFP



Tank Rehabilitation Priority Summary - Potable Tanks														
Tank	Nominal Capacity (MG)	Year Constructed	Most Recent CIP Rehab	Age of Existing Coating (Years)	Interior Condition Noted	Exterior Condition Noted	Recoating Priority Based on Condition (1=highest, 2=medium, 3=lowest)	Coal Tar Coating (as of inspection year)	Lead Exterior (as of 2002)	CP System?	Year of inspection	Requirements to take tank out of service	Rehab Construction Estimate (\$)	FY of Target Rehab
Saddle Tree	0.30	1977	2016	1	N/A	Not Inspected: Recoated in 2016	N/A	No	N/A	Sacrificial Anode	N/A	Storage Tanks	\$294,958	
Calabasas	8.00	1963	2014	3	N/A	Not Inspected: Currently being repaired under warranty (2017)	N/A	No	N/A	Sacrificial Anode	N/A	LV-2 psi control	\$2,543,880	
Kimberly	0.50	1985	2010	7	Minor spot corrosion, overall good condition	Minor coating cracks, some nicks and scratches, overall fair to good condition. Hatch needs gasket	3	No	TBD	Sacrificial Anode	2015	Storage Tanks	\$354,930	28-29
Mulwood	1.60	1986	2010	7	Minor corrosion, fair to good condition		3	No	TBD	Sacrificial Anode	2014	Storage Tanks	\$684,776	28-29
Upper Woolsey	0.50	1981	2009	8	Good condition	Good condition	3	No	TBD	Sacrificial Anode	2015	PRV re-activate	\$294,930	29-30
Warner Tank 1	0.50	1964	2006	11	Blistering and minor corrosion. Adhesion loss.	Roof condition is good. Hatch needs gasket, vents need screen and seal	3	No	TBD	Sacrificial Anode	2017	Use other tank / cold cyn pump station	\$294,930	24-25
Warner Tank 2	2.00	1969	2006	11	Fair to good condition	Roof condition is fair minor corrosion. Hatch needs gasket, vents need screen and seal	3	No	TBD	Sacrificial Anode	2017	Use other tank / cold cyn pump station	\$744,720	25-26
Saddle Peak	2.30	1964	2005	12	Coal tar tank, peeling, blistered coating and corrosion.	Extensive corrosion on hardware and coating delam. Hatch needs gasket, vents need screen and seal	1	Yes	Yes	Sacrificial Anode	2017	Storage Tanks	\$894,678	18-19
Jed Smith 2	0.60	1988	2005	12	Minor corrosion, coal tar interior coating in fair condition	Minor corrosion, fair to good condition, hatch needs gasket	3	Yes	TBD	Sacrificial Anode	2013	Use other tank	\$324,916	26-27
Jed Smith 1	0.60	1986	2005	12	Minor corrosion, coal tar interior coating in fair condition	Minor corrosion, fair to good condition, hatch needs gasket	3	Yes	TBD	Sacrificial Anode	2013	Use other tank	\$324,916	26-27
Latiago	1.50	1964	2003	14	Minor corrosion, fair condition	Minor corrosion, nicks and scratches, fair condition	3	No	Yes	Sacrificial Anode	2017	Use PRV	\$594,790	27-28
Upper Oaks	0.26	2003	N/A	14	Coating in poor condition, interior corrosion along welds/seams, some blistering	Roof in good condition, hatch needs gasket, overall good condition	1	No	TBD	Sacrificial Anode	2016	Storage Tanks	\$282,964	19-20
Upper Twin Lakes	0.39	2003	N/A	14	Isolated blistering and coating failure, overall fair condition.	Some roof coating failure and corrosion started. Hatch needs gasket	3	No	TBD	Sacrificial Anode	2015	Storage Tanks	\$321,945	21-22
Ranchview	0.39	2000	N/A	17	Minor isolated corrosion, overall fair to good condition	Minor isolated corrosion, some nicks and scratches, overall fair to good condition, hatch needs gasket	3	No	TBD	Sacrificial Anode	2014	Storage Tanks	\$321,945	27-28
Twin Lakes 1	0.40	1966	1990	27	Coal Tar coating, some corrosion and rust nodules starting	Fair to good condition, some slight peeling, hatch needs gasket	3	Yes	Yes	Sacrificial Anode	2015	Use other tank	\$264,944	20-21
Seminole 1	0.40	1963	1990	27	Coal tar interior coating, some corrosion and rust nodules observed, some deep pitting present.	Exterior roof coating near end of service life, surface corrosion and holidays, plan for new coating. Hatch needs gasket	2	Yes	Yes	Sacrificial Anode	2014	Use other tank	\$264,944	24-25
Twin Lakes 2	1.60	1990	N/A	27	Interior coating in poor condition in some areas, cracked/blistered with corrosion. Coal Tar coating.	Roof corrosion and rust nodules, delam and peeling with primer and exposed and corrosion. Hatch needs gasket.	2	Yes	TBD	Sacrificial Anode	2015	Use other tank	\$624,776	20-21
Seminole 2	1.60	1990	N/A	27	Coal tar interior coating, some corrosion and rust nodules observed, minor pitting, overall fair condition	Exterior roof coating near end of service life, plan for new coating, hatch needs gasket.	2	Yes	No	Sacrificial Anode	2014	Use other tank	\$624,776	23-24
Dardenne	0.50	1989	N/A	28	Coal Tar coating, minor corrosion, interior ladder in poor condition due to corrosion	Minor corrosion, overall fair condition, hatch needs gasket	3	Yes	Yes	Sacrificial Anode	2013	Storage Tanks	\$354,930	19-20
McCoy	2.00	1988	N/A	29	Interior coating is coal tar, some coating cracks and corrosion, overall fair condition	Roof coating near end of service life, surface corrosion and holidays. Hatch needs gasket	3	Yes	No	Sacrificial Anode	2014	Feed from warmer system	\$744,720	21-22
Oakridge	0.30	1988	UNK	29	Coal tar interior coating. Some corrosion, moderate in some areas. Overall fair condition.	Fair condition, minor corrosion, hatch needs gasket.	3	Yes	No	Sacrificial Anode	2013	Storage Tanks	\$294,958	23-24
Morrison	3.00	1984	N/A	33	Coal Tar coating, fair to good condition, minor corrosion	Roof is peeling and delam, primer still intact. Hatch needs gasket, vents need seal	3	Yes	Yes	Sacrificial Anode	2016	Feed from equestrian	\$1,044,580	22-23
Lower Oaks	1.00	2003	N/A	N/A	N/A	N/A	N/A (concrete)	No (concrete)	N/A	None (concrete)	2016	Storage Tanks		
Torchwood	5.00	2015	N/A	N/A	N/A	N/A	N/A (concrete)	No (concrete)	N/A	None (concrete)	N/A	Storage Tanks or Off Season Work		
Equestrian	4.20	1971	N/A	N/A	N/A	N/A	N/A (concrete)	No (concrete)	N/A	None (concrete)	2016	Cornell VFD, Vent @ torch wood or LVR		

Tank Rehabilitation Priority Summary - Recycled Tanks														
Tank	Nominal Capacity (MG)	Year Constructed	Year Rehab'd	Age of Existing Coating	Interior Condition Noted	Condition Noted	Recoating Priority Based on Condition (1=highest, 2=medium, 3=lowest)	Coal Tar Coating (as of inspection year)	Lead Exterior (as of 2002)	CP System?	Year of inspection	Requirements to take tank out of service?	Rehab Construction Estimate (\$)	FY of Target Rehab
Indian Hills	2.6	1986	2009	8	Fair condition, small patches of blisters without corrosion.	Minor corrosion, over condition is fair to good, hatch needs gasket	3	No	TBD	Sacrificial Anode	2017	Storage Tanks	\$924,636	25-26
Parkway	0.2	2003	N/A	14	Some blistering, no major corrosion, fair to good condition	Good condition, hatch needs gasket	3	No	TBD	Sacrificial Anode	2017	Storage Tanks	\$264,972	22-23
Cordillera	3	1993	2001	24	Coating is cracking and peeling with corrosion noted, poor condition. Coal tar floor peeling and corrosion present	Fair to good condition, hatch needs gasket, minor corrosion.	1	Yes - Floor only	TBD	Impressed Current	2017	Use Res 3	\$1,044,580	18-19







REQUEST FOR PROPOSALS  
FOR  
SADDLE PEAK AND CORDILLERA TANK  
REHABILITATION PROJECT

**PROPOSALS DUE June 19, 2018 at 3:00 p.m.**

LAS VIRGENES MUNICIPAL WATER DISTRICT  
4232 LAS VIRGENES ROAD  
CALABASAS CA 91302  
818.251.2100

May 2018

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**REQUEST FOR PROPOSALS**  
**Las Virgenes Municipal Water District**

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    - Figure A2 – Cordillera Tank As-Builts
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## **I. INTRODUCTION**

The Las Virgenes Municipal Water District (LVMWD) invites your firm to submit a proposal to provide Engineering Design services for the Saddle Peak and Cordillera Tank Renovation Project. Design Engineering Services will include:

- Review of available materials from the District and other sources and research.
- Preparation of Plans and Specifications for construction.

A preliminary scope of work is included to assist you in the preparation of your proposal. Failure to submit information in accordance with the requirements in this Request for Proposal (RFP) may be cause for disqualification.

A pre-proposal meeting will be at the request of the consultant, and is optional.

Questions regarding this Request for Proposal should be directed to Coleman Olinger, P.E., Associate Engineer at 818.251.2163 or colinger@lvmwd.com.

## **II. BACKGROUND INFORMATION**

The Las Virgenes Municipal Water District (LVMWD) is a special district established in 1958. The service area encompasses 122-square miles in western Los Angeles County and includes the incorporated cities of Hidden Hills, Calabasas, Agoura Hills and Westlake Village, as well as unincorporated areas. The District provides potable water, recycled water and wastewater service to a population of approximately 71,000. Triunfo Sanitation District (TSD) within Ventura County is a joint venture partner with LVMWD in wastewater and recycled water service which serves an additional 30,000 people

Each year the District completes inspections and cleaning of 5 (of 26) potable water tanks and 3 (of 3) of the recycled water tanks. In February 2017 and February 2016, Potable Divers, Inc. conducted underwater inspections of Saddle Peak and Cordillera Tanks, providing recommendation for re-coating. From these inspection reports and input from operations, District Staff identified Saddle Peak and Cordillera Tanks as the highest priority tanks for coating repair. In October 2017, the District personnel from Technical Services, Operations, and Maintenance conducted field visits to identify other necessary improvements of the tanks for future operation.

Saddle Peak Tank is a 2.3-million-gallon potable water storage tank in the 2514-foot system that provides water supply and fire protection to the Stunt Road service area. The steel tank was installed in 1964. Cordillera Tank is a 3.0-million-gallon recycled water storage tank in the 1529-foot zone that supplies recycled water to eastern Calabasas. It is a steel tank and was constructed in 1993.

In June 2002, M. J. Schiff & Associates, Inc. completed an evaluation and rehabilitation master plan for all of the District's tanks. The majority of the necessary improvements identified in the master plan have been completed for the District's tanks. Although these improvements were performed to many of the tanks, the coatings have continued to age and now many are nearing or at their end of service life. The existing tank coating conditions were categorized and sorted in the Tank Rehabilitations Summary (attached). Priority was established for rehabilitation and target Fiscal Years were provided for the construction. Identified as the top



priority, Saddle Peak and Cordillera Tanks currently exhibit failing coating and corrosion, requiring rehabilitation.

The scope of work for the renovation of both tanks generally consists of the following: recoating the interior of the tank, recoating or touchup of the exterior, modifying the existing manways, reconfiguring the inlet/outlet piping to improve water circulation, replacing deteriorated valves, improving the vent systems, updating the roof hatches to current standards, replacing the ring seals, and repairing the access roads.

The work performed on the interior of the tanks will require them to be temporarily taken out of service. Based on system demand for Saddle Peak Tank, the interior construction work will be scheduled such that the tank will only be out of service during the period of lowest water demand, January through March. Additionally, temporary water storage tanks will be required while the tank is offline. For Cordillera Tank, the District can utilize reservoir no. 3 for temporary distribution of recycled water while the tank rehabilitation is completed.

### **III. SCOPE OF WORK**

This RFP includes the following major tasks:

- 1) Review of available material from the District and other sources and research.
  - Las Virgenes Municipal Water District Steel Tank Reservoir Rehabilitation Project “Coatings Evaluation of Twelve Potable Water Steel Tanks and Proposed Rehabilitation Activities” (LVMWD #2207.00)
  - Field Report, Underwater Cleaning / Inspection Saddle Peak Water Storage Tank, Potable Divers, Inc., February 14, 2017.
  - Field Report, Underwater Cleaning / Inspection Cordillera Water Storage Tank, Potable Divers, Inc., February 17, 2016.
  - 2007 Corrosion Control Program Report (LVMWD # 2396.00)
  - Las Virgenes Municipal Water District Preliminary Evaluation of LVMWD Tank Sites for Earthquake Hazards (LVMWD #1661))
- 2) Prepare plans and specification for construction, based on the conclusion of review and research. The work would include both the interior and exterior work on the tank.
  - Bid Documents
  - Bidding services – attend pre-bid conference and bid opening. Respond to questions and prepare addendum (addenda)
  - Construction observation – limited construction observation as necessary
  - Submittal review/processing
  - Request for Information (RFIs) and Change Order review relate to the tank structure, coating, temporary tank installation, and inlet/outlet piping modifications.
  - As built drawings.

### **IV. MINIMUM CONSULTANT QUALIFICATIONS**

The firm awarded the tank engineering design services shall have a State of California Professional Engineer. This person shall have overall responsibility and shall serve as the District’s point of contact for all the engineering services.

The firm shall have experience and expertise in Tank Coating/Rehabilitation.

The District's standard Agreement for Professional Services is included as Appendix B. The consultant shall have the ability to execute the agreement in this form. Professional liability insurance per the agreement is required.

## **V. PROPOSAL REQUIREMENTS**

- 1) Legal name of firm with address, telephone number and the name of at least one principal.
- 2) Project understanding and approach, including resource capacity to perform work on several projects simultaneously.
- 3) A recommended scope of work which clearly displays an understanding of the project, using as a basis the preliminary scope of work outlined above.
- 4) Names and résumés of individual(s) proposed to perform the services, including proof of professional registrations, as appropriate.
- 5) References for 3 recently completed or current projects of similar size and scope, including contact person and telephone number.
- 6) Certificate of professional liability insurance.
- 7) Schedule of Rates.

**Please submit five (5) copies of your proposal no later than 3:00 p.m. on June 19, 2018.**

## **VI. EVALUATION CRITERIA**

Proposals will be evaluated based upon the following:

- 1) The quality of performance on past projects, including those on which the proposed team has worked together.
- 2) Expertise in the field of steel tank design, steel tank coating design as demonstrated by reference check.
- 3) The ability to meet time schedules and complete the work within established budgets.
- 4) The ability to provide a comprehensive and understandable scope of work.
- 5) Cost of proposal in terms of overall value to the District.
- 6) The firm's history and resource capacity to perform the requested service.
- 7) The experience and qualifications of assigned personnel.

## **VII. SCHEDULE**

Approval of Request for Proposals	May 22, 2018
Pre-proposal Meeting	By request (optional)
Proposal Due Date (3:00 p.m.)	June 19, 2018
Acceptance of Proposal (Board meeting)	July 10, 2018



# **APPENDIX A**

## **As-Builts**

## **APPENDIX B**

# **Agreement for Professional Services**