

Las Virgenes Municipal Water District

Proposed 2-Year Budget
Fiscal Years 2018-20



City of Agoura Hills



City of Hidden Hills



City of Westlake Village



City of Calabasas



4232 Las Virgenes Road, Calabasas
Los Angeles County, California



MISSION STATEMENT

DEDICATED TO PROVIDING HIGH-QUALITY WATER SERVICE
IN A COST-EFFECTIVE AND ENVIRONMENTALLY SENSITIVE MANNER.

OUR COMMITMENTS . . .



HIGH LEVEL OF
CUSTOMER SATISFACTION



TRANSPARENCY AND
COMMUNITY ENGAGEMENT



HIGHLY EFFECTIVE
WORKFORCE



MAXIMUM REUSE AND
RESOURCE RECOVERY



SOUND FINANCIAL
MANAGEMENT



RELIABLE WATER
SUPPLY AND
SERVICE



SOUND PLANNING AND
APPROPRIATE INVESTMENT



INNOVATIVE AND
EFFICIENT OPERATIONS



PROTECTION OF PUBLIC HEALTH
AND THE ENVIRONMENT



SAFE, HIGH
QUALITY WATER

WWW.LVMWD.COM

POTABLE WATER – WASTEWATER TREATMENT – RECYCLED WATER – COMPOSTING – RENEWABLE ENERGY

VISION STATEMENT



VALUING EVERY DROP – BRINGING WATER FULL CIRCLE

WE ARE GUIDED BY THESE VALUES IN
OUR INTERACTIONS WITH OTHERS . . .

INTEGRITY

RESPECT

COMMITMENT

RESPONSIBILITY

COLLABORATION

LEADERSHIP

POTABLE WATER – WASTEWATER TREATMENT – RECYCLED WATER – COMPOSTING – RENEWABLE ENERGY



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Office of the General Manager

DATE: May 22, 2018

TO: LVMWD Customers
Board of Directors

It is my privilege to present the proposed operating and capital improvement projects budget for Fiscal Years (FY) 2018-19 and 2019-20. This budget represents the District's second two-year budget aimed to improve long-range and strategic planning, financial management, and program monitoring over a multi-year period. As developed, the Board will approve the two-year budget plan and adopt the FY 2018-19 budget. In the spring of 2019, the Board will be presented with budget-to-actuals for the current year and will be asked to consider any modifications to the proposed budget for FY 2019-20. With the two-year budget, a new budget book will not be produced each year, as the current budget book includes both years. A budget change summary report will be produced to document any changes approved for FY 2019-20.

This two-year budget represents the concerted efforts of staff over the past several months to estimate the financial needs of the District for the next two fiscal years to continue providing high quality water and sanitation services to the District's customers. This budget is also aligned with the District's adopted Strategic Plan Goals and Objectives and its Financial Policies.

The District's service area continues to experience slow growth due to the land use policies of the cities within the service area and the large amounts of state and federally owned public open space. The District experienced some drought rebound in FY 2017-18, resulting in an 11.2% increase in potable water sales and an 18.2% increase in recycled water sales. Based on these factors, the budget projects a 2.8% increase in potable water sales, flat recycled water sales, and flat wastewater flows to the Tapia Water Reclamation Facility. Growth in forecasted revenues is primarily due to increases in rates approved with the multi-year rate plan in October 2015.

The proposed budget addresses key District priorities that ensure the continued delivery of high-quality service that the District's customers have come to expect.

Focus on Developing and Supporting the District's Workforce

The District is currently developing a comprehensive succession plan including strategies to attract the most qualified new employees; retain its high-quality employees; and transfer institutional knowledge. The results of this effort are expected to be implemented beginning in FY 2018-19. Additionally, the District continues to focus on providing training and educational opportunities to its employees. Other efforts include the completion of an employee total compensation study that will be used to inform negotiations with the District's bargaining units during FY 2018-19, and the development of an employee recognition program.

Bringing Water Full Circle

The District, through its joint powers authority with Triunfo Sanitation District, has been developing the Pure Water Project Las Virgenes-Triunfo that will ultimately bring the District's water full circle by treating its effluent from the Tapia Water Reclamation Facility to better than drinking water standards before mixing it with imported water stored in Las Virgenes Reservoir. During this two-year budget cycle, a Pure Water Demonstration Project will be constructed in the District's former headquarters building. In addition, preliminary design and environmental review will begin for the full-scale project.

Supporting Customers to Meet Water-Use Efficiency Standards

The District utilizes a multi-faceted approach to encourage water-use efficiency. The development and implementation of water budgets customized to each customer's specific attributes and the conversion to monthly billing in 2017 provided specific, regular information to customers on their water use. With the implementation of water budgets, the District also instituted a fine for wasteful use of water, which is defined as using more than 200% of the water budget. Over the past year, District staff continued to reach out to wasteful and inefficient water users to assess their particular situations and identify means for them to become more efficient. During this two-year budget period, a portion of penalty revenue collected has been designated for one-time uses to fund additional conservation programs, specifically \$1,002,774 for a new weather-based irrigation controller program and \$128,309 for a rain barrel give-away program. Also, in FY 2019-20, implementation of a new AMR/AMI system will begin to support early detection of leaks and provide customers with near "real-time" access to their water usage data.

Focus on Efficiency and Financial Resiliency

The District will continue to promote and foster its "Employee Idea Program" that has generated over a dozen ideas that focus on workplace improvements and process efficiencies. The committee is led by the General Manager, and each idea submitted is reviewed and addressed.

The District continues to focus on ensuring responsible management of the ratepayers' funds. During FY 2017-18, the potable water enterprise reserves were rebuilt to approximately \$17.5 million. Although short of the adopted financial policy required level of \$29.4 million, this represents a 17% increase in reserve funds on hand as compared to the beginning of the fiscal year. The Board had opted to utilize reserves to pay for the large multi-year backbone improvements program in lieu of taking on debt in order to reduce the overall cost of the projects to ratepayers. The five-year rate plan and this two-year budget support continuing to re-build the potable water reserves. The Sanitation and Recycled Water Enterprises continue to have funds available for the construction of the Pure Water Project Las Virgenes-Triunfo, and the District continues to look at financing options for the construction of the major project.

The District is also contributing an additional one-time payment of \$1,330,305 towards its unfunded Other Post Employment Benefits (OPEB) liability. This payment will reduce the unfunded liability which will reduce the long-term cost to ratepayers.

Investments in the Future: The proposed budget includes investment in a number of important projects to ensure the reliability of the District's service to its customers in the future. Following are examples of those projects:

- Construction of an interconnection with Calleguas Municipal Water District to improve water supply reliability.
- Construction of the Twin Lakes Pump Station Pipeline Project to increase the supply reliability for the Twin Lakes subsystem and enhance capacity to serve the Deerlake Ranch Development.

- Rehabilitation of the Saddle Peak Tank.
- Construction of the Pure Water Demonstration Project

In summary, this budget represents the continued efforts to provide safe, reliable water and sanitation services to its customers by focusing on conservation efforts, building and maintaining a quality workforce, and ensuring efficient use of the District's resources and ratepayer monies. The District is positioned to improve its financial resiliency and continue to deliver reliable service to its customers.

ACKNOWLEDGEMENTS

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

Very Truly Yours,



David W. Pedersen, P.E.
General Manager

2018-20 BUDGET OVERVIEW

The following pages present an overview of the District's Two-Year Budget for Fiscal Years 2018-20. The proposed Two-Year Budget Plan includes \$75.7 million for Fiscal Year (FY) 2018-19 and \$77.7 million for FY 2019-20. The proposed FY 2018-19 Budget is 15.9% higher than the FY 2017-18 Budget primarily due to an increase in expenditures for capital improvement projects.

The following major projects are included in the proposed FY 2018-20 Budget:

- Pure Water Project (Preliminary Phases)
- Process Air Improvements
- Enterprise Resource Planning (ERP) Implementation
- Saddle Peak Tank Rehabilitation
- Cordillera Tank Rehabilitation
- Tapia Rehabilitation
- AMR/AMI Implementation
- Rancho Las Virgenes Digester Cleaning and Repair
- Interconnection with Calleguas Municipal Water District (CMWD)



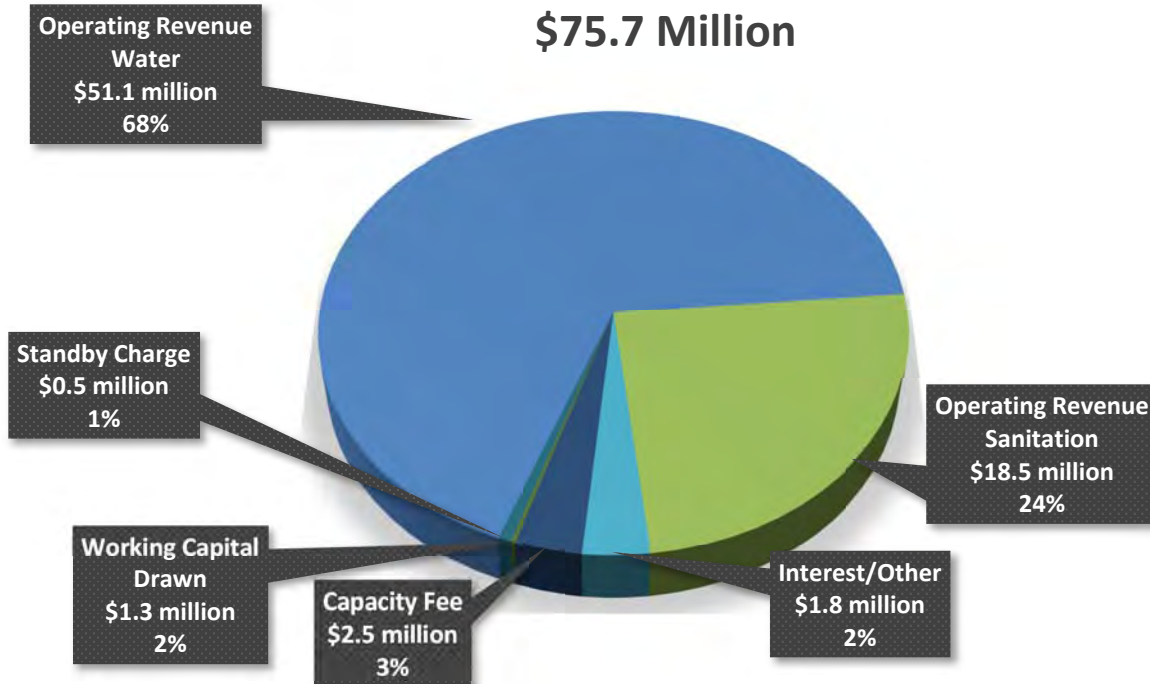
Las Virgenes Municipal Water District

Sources of Funds

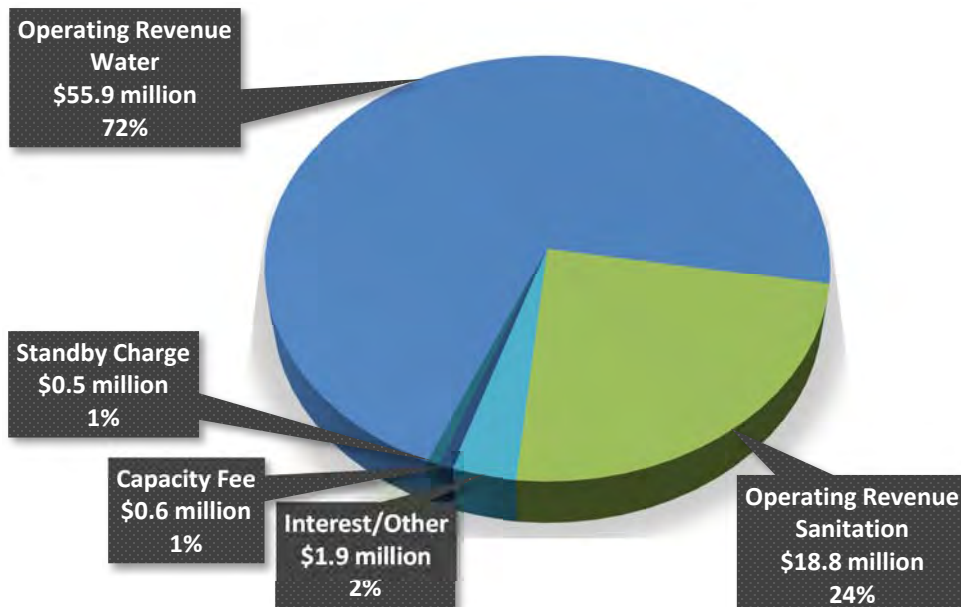
In 2015, the District completed a comprehensive cost of services analysis and rate study that served as the basis for establishing proposed rates. On October 26, 2015, the Board successfully went through the Proposition 218 process and approved the proposed rates for potable water, recycled water and sanitation to become effective annually on January 1, 2016 through 2020. The impact of the rate changes are accounted for in the revenue budget estimates. Capacity fees for potable, recycled water and sanitation are expected to remain constant from the prior year budget. During FY 2019-20, the District will be completing a new cost of services analysis.

For all operations, capital investment and debt service, the total sources of funds in the budget for FY2018-19 are projected at \$75.7 million, and for FY 2019-20, \$77.7 million is projected as shown on the following chart.

Fiscal Year 2018-19 Sources of Funds \$75.7 Million



Fiscal Year 2019-20 Sources of Funds \$77.7 Million



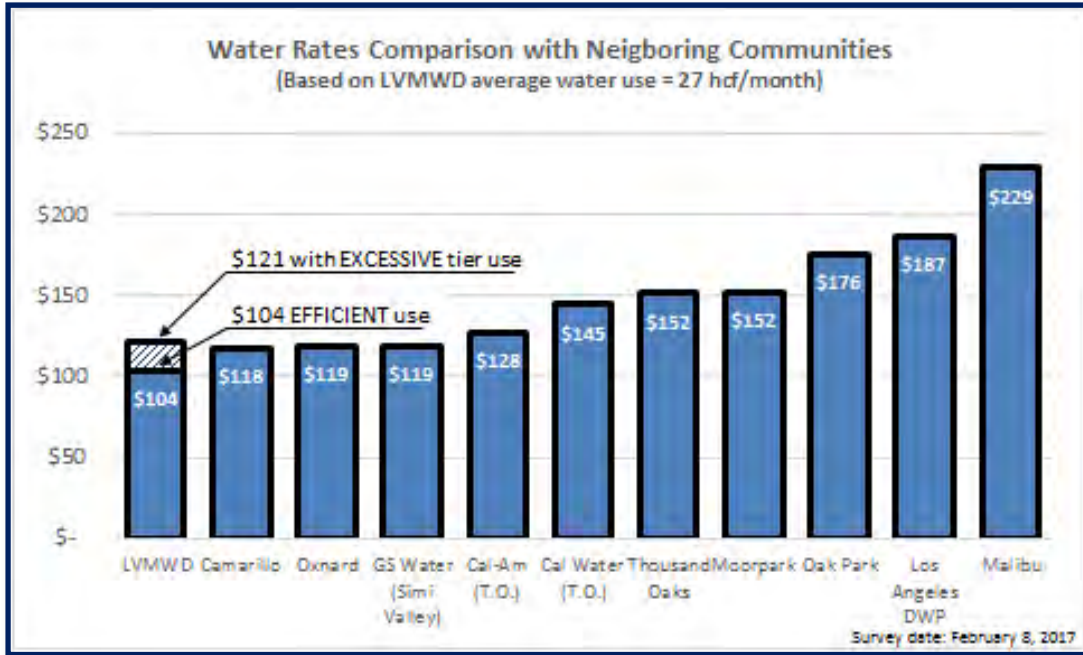
The budget for operating/capital replacement reserves from working capital for District-wide scheduled capital projects for FY 2018-19 is \$1.3 million and in FY 2019-20 the District will not be drawing from working capital reserves. Table 1 shows the source of funds by enterprise and by type of revenue.

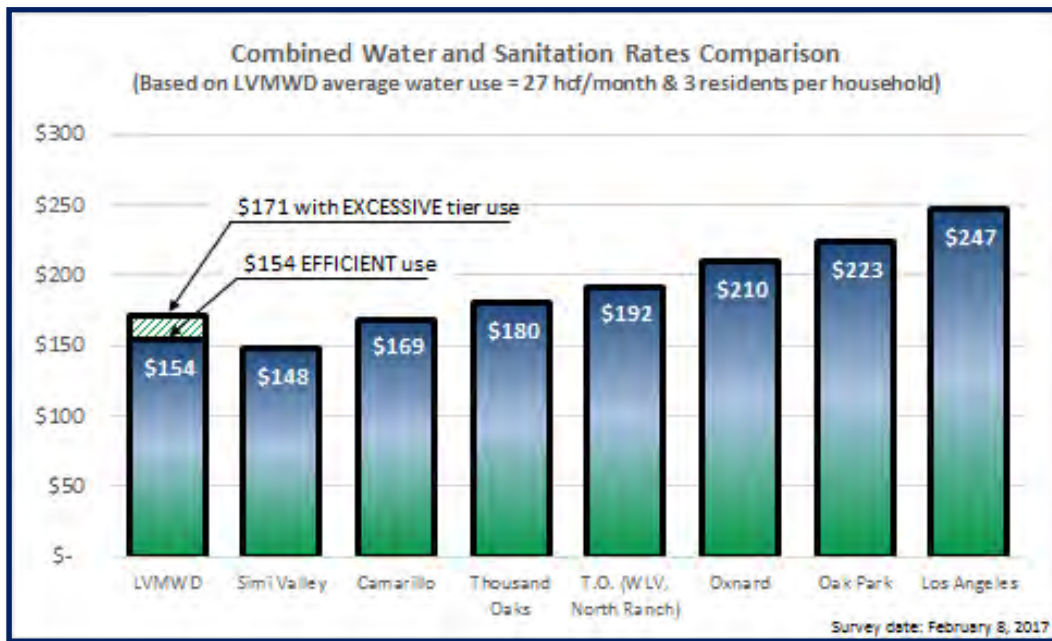
TABLE 1
LAS VIRGENES MUNICIPAL WATER DISTRICT
SOURCES OF FUNDS

	FY2015-16 ACTUAL	FY2016-17 ACTUAL	FY2017-18 BUDGET	FY2017-18 EST. ACTUAL	FY2018-19 BUDGET	FY2019-20 BUDGET
Operating Revenue						
Potable Water Revenue	31,302,153	36,265,248	35,730,530	40,582,063	44,050,344	48,730,525
Recycled Water Revenue	4,601,920	4,816,859	5,451,936	5,546,852	5,774,993	5,868,394
JPA Recycled Water Revenue-LV Sani Share	1,037,082	926,895	1,192,724	1,186,917	1,266,689	1,297,388
Sub-Total Recycled Water	5,639,002	5,743,754	6,644,660	6,733,769	7,041,682	7,165,782
Total Water Revenue	36,941,155	42,009,002	42,375,190	47,315,832	51,092,026	55,896,307
Sanitation Revenue	17,050,198	18,613,751	17,946,504	18,476,000	18,494,000	18,777,000
Total Operating Revenue	53,991,353	60,622,753	60,321,694	65,791,832	69,586,026	74,673,307
Capacity Fee						
Potable Water	84,100	76,850	307,400	448,050	1,182,676	358,970
Recycled Water	58,968	53,883	215,523	286,418	101,445	35,456
Sanitation	224,000	465,590	337,800	961,278	1,267,296	169,034
Total Capacity Fee	367,068	596,323	860,723	1,695,746	2,551,417	563,460
Standby Charge Revenue						
Replacement Fund	495,711	496,549	510,000	510,000	510,000	510,000
Interest Revenue	573,584	254,027	318,657	674,161	700,000	900,000
Other						
Rental Income	74,889	99,017	98,000	29,085	-	-
General 1% Tax Revenue	430,617	456,343	452,714	452,714	470,043	489,643
Rental Charge - Facilities & Vehicles	406,398	452,861	472,133	449,279	471,801	480,244
Miscellaneous	417,797	909,090	2,225,441	51,586	39,220	58,181
Total Other	1,329,701	1,917,311	3,248,288	982,664	981,064	1,028,068
Working Capital Drawn						
Operating/Capital Replacement Reserves		117,445	-	-	1,346,215	-
Rate Stabilization Reserve	250,000	-	-	-	-	-
Total Working Capital Drawn	250,000	117,445	-	-	1,346,215	-
Total Sources of Funds	57,007,417	64,004,408	65,259,362	69,654,402	75,674,723	77,674,834

How do LVMWD's rates compare with those of nearby agencies?

The charts below compare water, sanitation (sewer) and combined water & sewer bills for the "average" LVMWD residential customer.

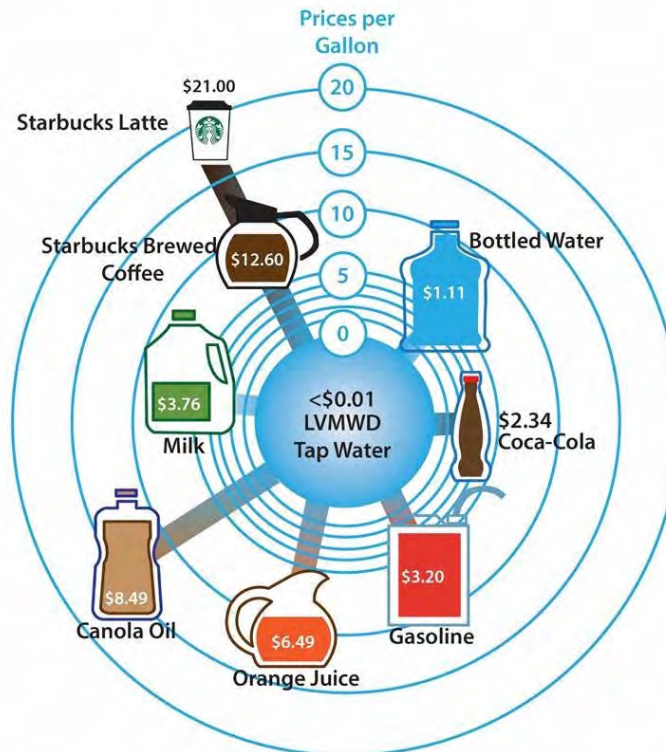




How does the price of LVMWD's tap water compare to some everyday products you buy?

The Cost of Water

Water is essential to daily life. Comparing water to these every day purchases, water really is a bargain.



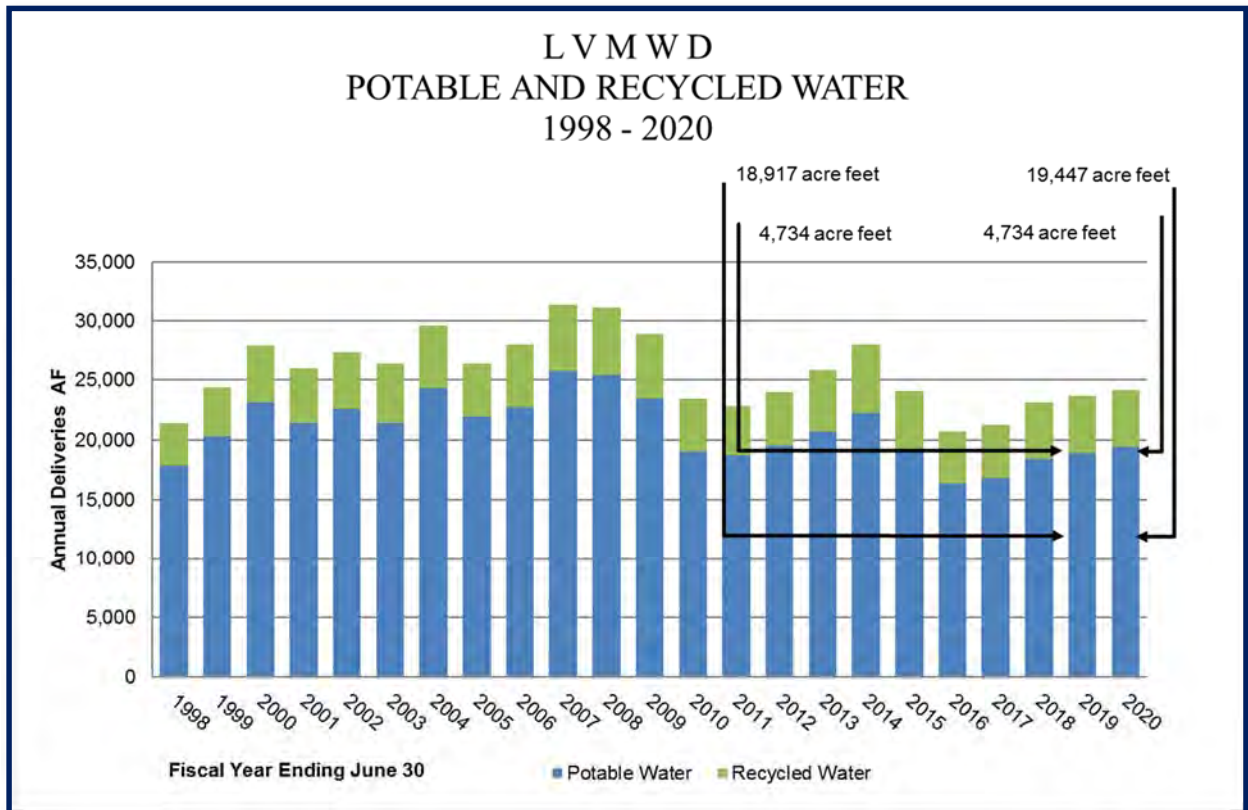
Prices researched on the Internet using Amazon.com, Target, and Walmart, 12/29/2017.

Uses of Funds

For all operations, capital investment and debt service, the total uses of funds in the budget for FY2018-19 are projected at \$75.7 million, and for FY 2019-20, \$77.7 million is projected as shown on Table 2.

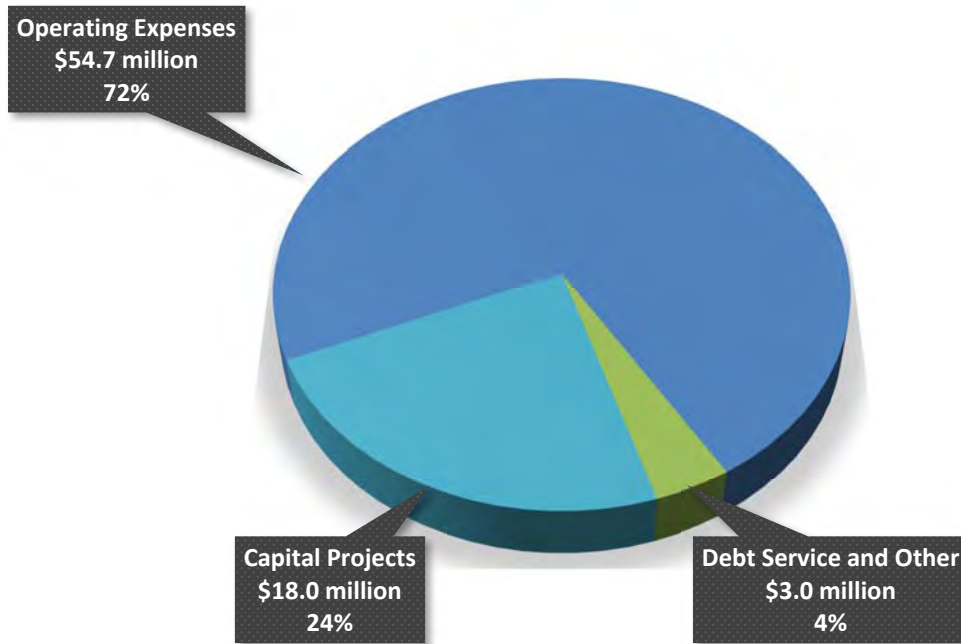
Operating expenses includes \$54.7 million for FY 2018-19 and \$57.2 million for FY 2019-20. FY 2018-19 expenses are projected to increase 11.6% from the previous year's budget level of \$49.3 million. The projected increase in the FY 2018-19 reflects a gradual rebound, recognizing the improved supply situation in northern reservoirs and increases in water rates contained in the five-year rate plan that took effect in 2016.

The first graph shows the annual delivered acre-feet (AF) of potable and recycled water since 1998. Sales of potable and recycled water are normally functions of weather, population and the economy. The District's projected sales are 18,917 AF and 19,447 AF for FY 2018-19 and FY 2019-20 respectively, slightly more than the prior year's primarily from an anticipated easing of the impacts of ongoing conservation efforts. In response to the Governor's Executive Order calling for long-term improvements to local drought preparedness, the State Water Resources Control Board (SWRCB) adopted emergency regulations on May 18, 2016 that recognize persistent yet less severe drought conditions throughout California. The new regulation requires water suppliers to ensure a three-year water supply under drought conditions. This is a step back from the SWRCB's unprecedented top-down target setting approach in previous years. LVMWD anticipates selling 4,734 AF of recycled water in FY 2018-19, and 4,734 AF of recycled water in FY 2019-20. In addition, for FY 2018-19, the District expects to treat an average of 6.08 million gallons per day (MGD) of sewage flow, including 3.76 MGD from LVMWD customers and 2.32 MGD from our joint powers authority partner, Triunfo Sanitation District. In FY 2019-20, the District expects to treat an average of 6.15 million gallons per day (MGD) of sewage flow, including 3.83 MGD from LVMWD customers and 2.32 MGD from our joint powers authority partner, Triunfo Sanitation District.

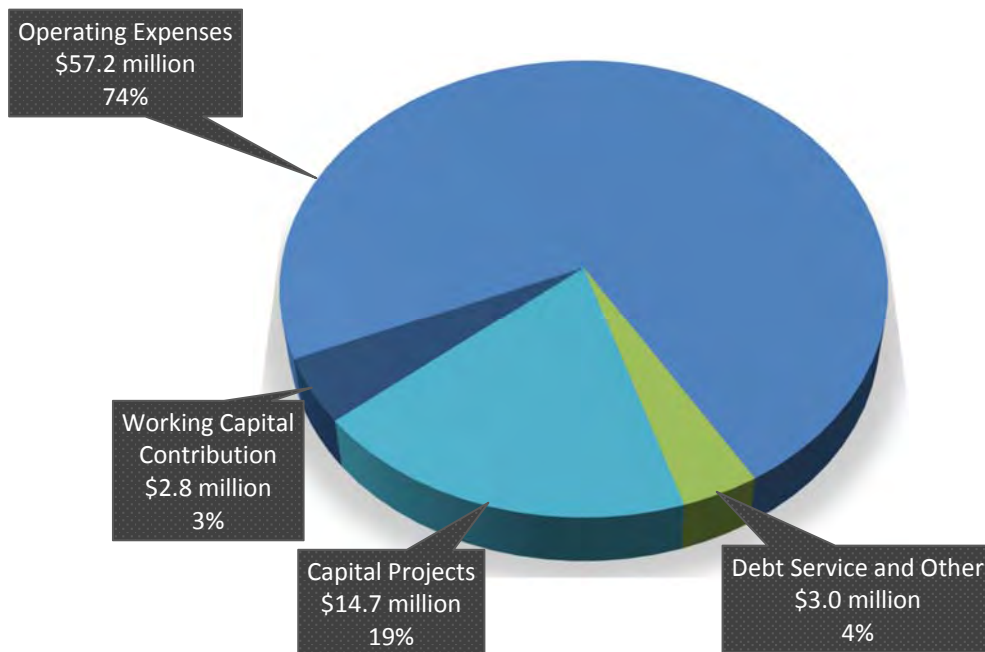


Overall, the budget projects total uses of funds for operating, capital, debt service, and other expenses as shown on the following charts.

**Fiscal Year 2018-19
Uses of Funds
\$75.7 Million**



**Fiscal Year 2019-20
Uses of Funds
\$77.7 Million**



Projected operating expenses are expected to increase in FY 2018-19 and FY 2019-20 when compared to the prior year budgets primarily due to treatment and source of supply expenses associated with increased sales, as well as increased salary and benefits costs. The major increase in capital projects is due to several large projects scheduled for the next two fiscal years, as detailed in the capital projects section.

Table 2 shows the uses of funds by enterprise or expense:

TABLE 2
LAS VIRGENES MUNICIPAL WATER DISTRICT
USES OF FUNDS

	FY2015-16 ACTUAL	FY2016-17 ACTUAL	FY2017-18 BUDGET	FY2017-18 EST. ACTUAL	FY2018-19 BUDGET	FY2019-20 BUDGET
Operating Expenses						
Potable Water	31,537,443	31,278,150	33,650,303	32,169,475	37,303,120	39,169,238
Recycled Water	3,123,180	3,943,586	3,062,135	3,968,649	4,097,317	4,317,805
Sanitation	10,260,422	10,613,638	11,839,187	11,468,918	12,464,768	12,887,296
Las Virgenes Operating Expenses	44,921,045	45,835,374	48,551,625	47,607,042	53,865,205	56,374,339
Less: Rental Charges-Facilities & Vehicles Repl.	(400,089)	(418,335)	(431,374)	(415,662)	(418,901)	(428,904)
Net	44,520,956	45,417,039	48,120,251	47,191,380	53,446,304	55,945,435
Add: JPA Revenue LV Sani Share	1,037,082	926,895	1,192,724	1,186,917	1,266,689	1,297,388
Total LV Operating Expenses	45,558,038	46,343,934	49,312,975	48,378,296	54,712,994	57,242,822
Non-Operating Expenses	2,134,302	1,656,712	230,259	232,859	155,715	169,978
Recycled Water Developer Reimbursement	0	0	0	0	0	0
Capital Projects						
Potable Water Construction Fund	271,766	1,648,582	477,906	157,915	694,336	627,966
Potable Water Replacement Fund	2,234,498	8,384,433	3,389,785	2,013,216	5,351,075	7,084,958
Recycled Water Construction Fund	0	116,894	908,198	2,095	278,782	0
Recycled Water Replacement Fund	1,248,243	95,115	460,350	454,885	1,074,015	0
Sanitation Construction	459,666	101,986	856,378	39,630	138,797	391,830
Sanitation Replacement	1,527,115	2,900,502	5,112,385	4,513,055	10,517,784	6,646,461
Total Las Virgenes	5,741,288	13,247,512	11,205,002	7,180,796	18,054,789	14,751,215
Debt Service - Revenue Bonds	2,755,000	2,756,250	2,751,225	2,752,500	2,751,225	2,755,450
Contribution to Working Capital	818,789	-	1,759,901	11,109,951	-	2,755,369
Total Uses of Funds	57,007,417	64,004,408	65,259,362	69,654,402	75,674,723	77,674,834

Change in working capital is a good way to view the financial health of the District. Working capital is the difference between current assets and current liabilities. If a fund has a positive working capital balance, then the fund has more than enough resources to meet its obligations. However, if the working capital balance is negative, then the fund has more obligations than resources.

The following Table 3 shows changes in working capital for each of the District's three enterprises by operations, replacement and construction funds. The table includes a summary of debt service funds and the working capital reserve, which is a product of the Board-approved Financial Policies. Chart 3(a) reflects a three-year history of the working capital summarized for each of the three enterprises.

The table also shows that overall working capital is expected to decrease by \$1.3 million in FY 2018-19 and increase by \$2.7 million in FY 2019-20 due to the timing of major construction projects scheduled. Potable Water and Recycled Water enterprises continue to build working capital for capital projects, maintenance and debt service payments as projected in the approved 2015 financial plan. The Sanitation enterprise has several construction projects scheduled over next two years and will be utilizing working capital reserves to fund these projects.

TABLE 3
LAS VIRGENES MUNICIPAL WATER DISTRICT
WORKING CAPITAL SUMMARY: FY17-18 TO FY19-20

	POTABLE WATER			RECYCLED WATER			SANITATION			Policy Restricted Reserve (Ins/Stab/Bond)	LVMWD TOTAL
	Operations	Construction	Replacement	Operations	Construction	Replacement	Operations	Construction	Replacement		
	101	201	301	102	203	302	130	230	330		ALL FUNDS
Working Capital 6/30/2017	2,688,563	(4,583,301)	10,089,432	7,807,131	547,569	2,681,527	9,888,910	(2,106,758)	18,522,582	17,896,227	63,431,882
Operating Revenues(Expenses):	8,412,588			1,578,203			7,007,082				16,997,873
Non-operating Revenues(Expenses):	(5,940)	0	1,823,125	87,564	7,165	12,000	158,340	22,419	167,096	77,859	2,349,628
Connection Fees		448,050			286,418			961,278			1,695,746
Debt Service Principal & Interest		0	0		0	0		0	(2,752,500)	0	(2,752,500)
Capital Projects		(157,915)	(2,013,216)		(2,095)	(454,885)		(39,630)	(4,513,055)		(7,180,796)
Transfer (to) from Other funds	(3,160,161)	0	3,021,300	(435,232)	0	428,750	(128,776)	0	0	274,119	0
Working Capital 6/30/2018	7,935,050	(4,293,166)	12,920,641	9,037,666	839,057	2,667,392	16,925,556	(1,162,691)	11,424,123	18,248,205	74,541,833
Operating Revenues(Expenses):	6,747,224			1,677,676			6,029,232				14,454,132
Non-operating Revenues(Expenses):	(2,472)	0	1,867,404	120,574	7,440	12,460	172,845	23,843	171,313	80,843	2,454,250
Connection Fees		1,182,676			101,445			1,267,296			2,551,417
Debt Service Principal & Interest		0	0		0	0		0	(2,751,225)	0	(2,751,225)
Capital Projects		(694,336)	(5,351,075)		(278,782)	(1,074,015)		(138,797)	(10,517,784)		(18,054,789)
Transfer (to) from Other funds	(3,789,859)	0	3,646,040	(1,115,744)	0	1,109,031	(12,262,989)	0	12,129,616	283,905	0
Working Capital 6/30/2019	10,889,943	(3,804,826)	13,083,010	9,720,172	669,160	2,714,868	10,864,644	(10,349)	10,456,044	18,612,953	73,195,618
Operating Revenues(Expenses):	9,561,287			1,550,589			5,889,704				17,001,580
Non-operating Revenues(Expenses):	27,048	0	1,941,356	155,023	9,565	16,020	222,230	30,655	191,155	103,941	2,696,994
Connection Fees		358,970			35,456			169,034			563,460
Debt Service Principal & Interest		0	0		0	0		0	(2,755,450)	0	(2,755,450)
Capital Projects		(627,966)	(7,084,958)		0	0		(391,830)	(6,646,461)		(14,751,215)
Transfer (to) from Other funds	(5,048,632)	0	4,899,679	(6,952)	0	0	(8,590,651)	0	8,452,516	294,040	0
Working Capital 6/30/2020	15,429,646	(4,073,822)	12,839,087	11,418,832	714,181	2,730,888	8,385,927	(202,489)	9,697,804	19,010,934	75,950,987

Las Virgenes – Triunfo Joint Powers Authority

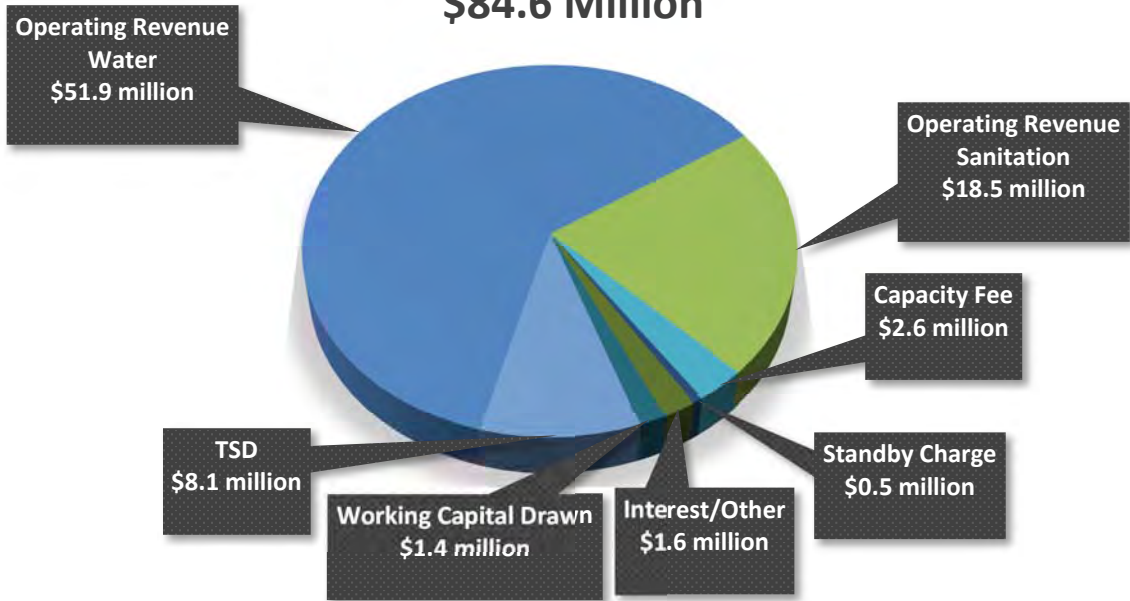
LVMWD partners with Triunfo Sanitation District (Ventura County) in a joint powers authority (JPA) for sanitation operations and capital projects. Because LVMWD is the administering agent of the JPA, looking at the combined sources and uses of funds shows the magnitude of what staff will be doing in the budget year.

For presentation purposes, pie charts showing the combined LVMWD and JPA sources and uses of funds are shown on the following pages. When the JPA is added, the sources and uses of funds increase by \$8.9 million in FY 2018-19 and \$8.1 million in FY 2019-20. The JPA budget, including operations and capital projects, is shown in a separate document for presentation to the JPA board. This total budget represents a 13.6% increase in FY 2018-19 over the previous fiscal year due to a larger capital projects budget.

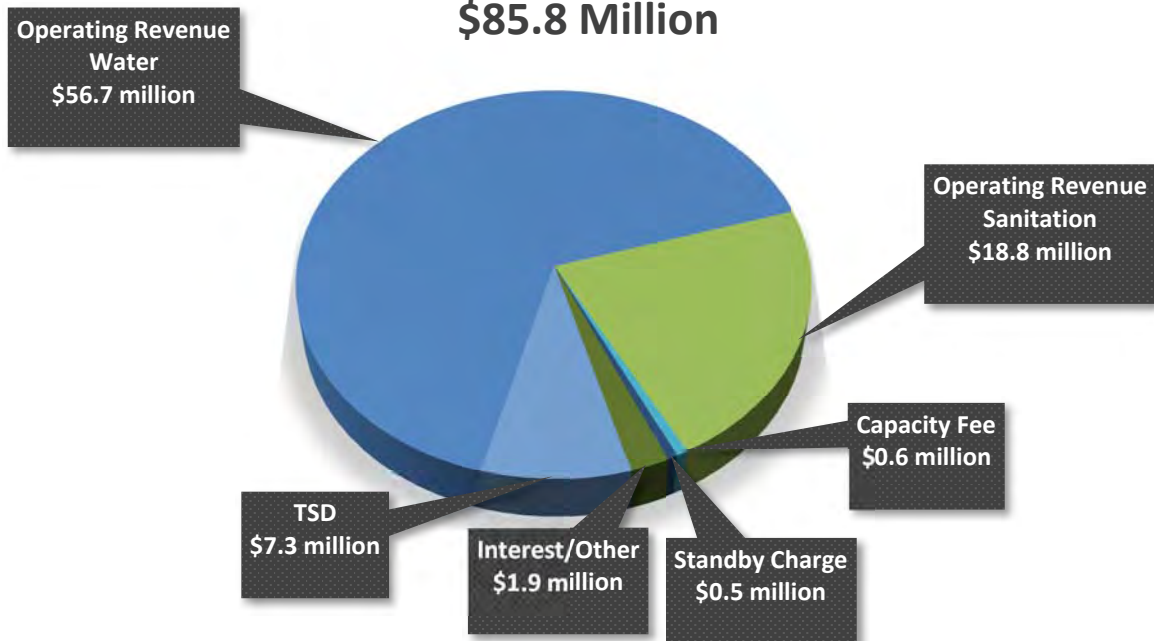


Tapia Water Reclamation Facility
Operated by Las Virgenes-Triunfo Joint Powers Authority

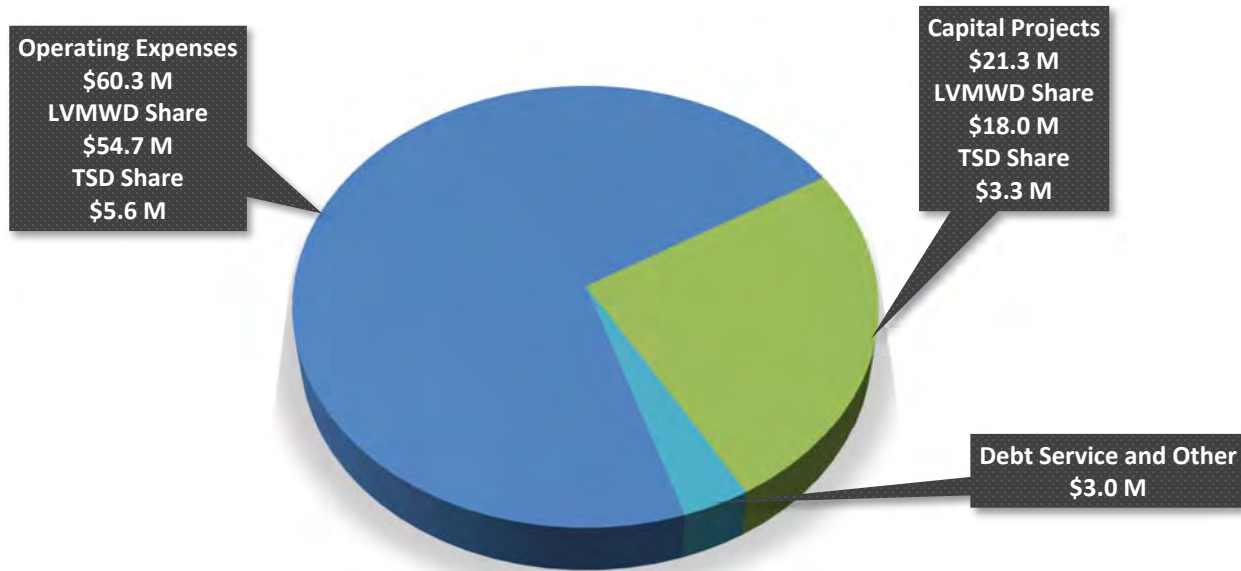
**LVMWD and JPA
Fiscal Year 2018-19 Sources of Funds
\$84.6 Million**



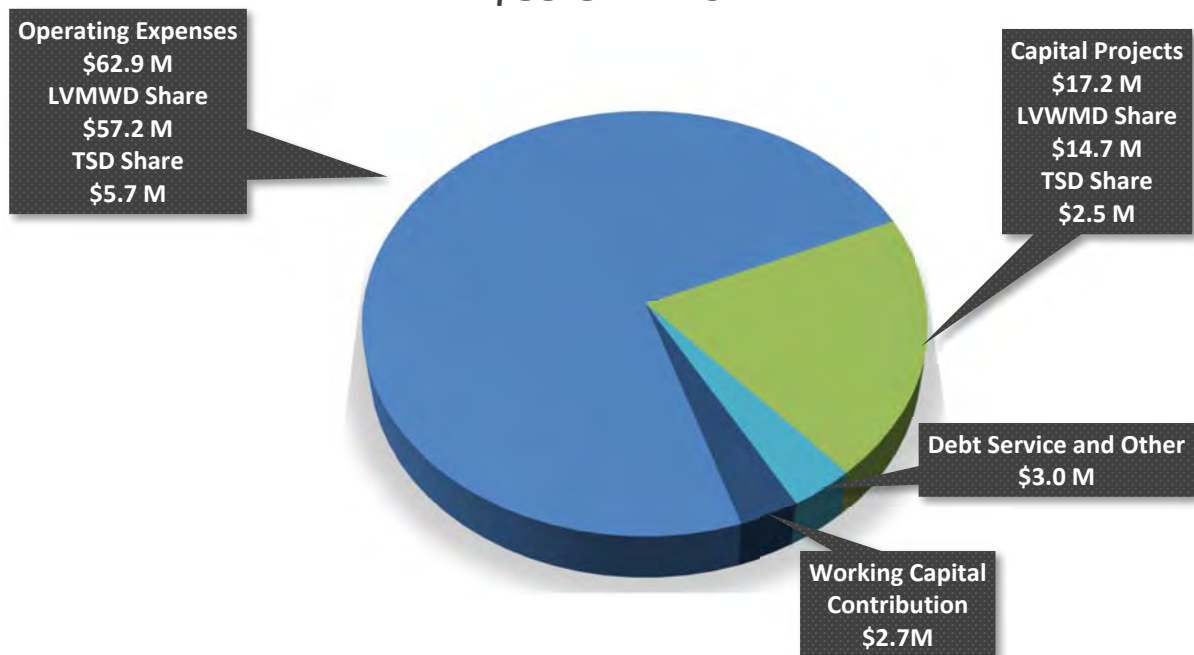
**LVMWD and JPA
Fiscal Year 2019-20 Sources of Funds
\$85.8 Million**



**LVMWD and JPA
Fiscal Year 2018-19 Uses of Funds
\$84.6 Million**



**LVMWD and JPA
Fiscal Year 2019-20 Uses of Funds
\$85.8 Million**



CHANGES IN BUDGET DOCUMENT

There are no changes in the budget document format from the format of the document that the Board received last year.

MAJOR PRIORITIES AND ISSUES

There are several major priorities and issues that will consume significant staff time and effort in FY2018-20. These include the following:

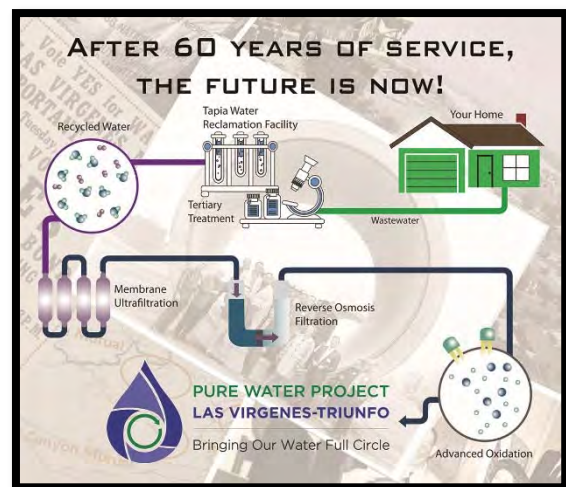
- Capital Projects
 - Pure Water Project Las Virgenes-Triunfo
 - 4 -Mega Watt Solar Field
 - Facility Rehabilitations and Replacements
 - Interconnection with Calleguas Municipal Water District (CMWD)
 - AMR/AMI Implementation
 - Enterprise Resource Planning (ERP)
- Regulatory Issues
 - Summertime Season Compliance for Malibu Creek Discharges
 - Conservation Measures
- Information Systems Master Plan Implementation

Capital Projects

Pure Water Project Las Virgenes-Triunfo

The Pure Water Project relies on indirect potable reuse, a water supply strategy now adopted by many cities and water agencies in California and across the United States to provide local, reliable water. The project begins with planning and the installation of a pilot or demonstration facility that will serve three main purposes. The demonstration facility will test out and prove the reliability of the advanced treatment process utilizing smaller scale equipment and provide data that will help optimize the design for the full scale system, provide operations staff with the opportunity to become familiar with and proficient with operation and maintenance of the advanced treatment process, and provide a venue for the public to learn more about potable reuse.

The ultimate, full-scale project will minimize the discharging of usable recycled water into Malibu Creek and instead will convert this resource into a viable source for potable, locally produced water. The full-scale project involves the construction of several pipelines and an advanced treatment plant that will convert recycled water into pure drinking water. The Pure Water Project creates an affordable and reliable local water supply that will be cost-competitive with imported water, help stabilize water rates, safeguard the local economy and significantly reduce the uncertainty of supply associated with importing water due to climate change and long-term and reoccurring drought conditions. The project will require public participation and acceptance, regional leadership, and the funding to move from concept to reality.



The current estimated cost for the project is \$100 million. The majority of costs will be for construction of the full-scale project, which is scheduled to start by 2025 and to be

completed and operational by 2030. The FY2018-20 budget includes only the funding required for construction of the demonstration facility, preliminary design and environmental compliance efforts.

4-Mega Watt Solar Field

The Las Virgenes – Triunfo Joint Powers Authority (JPA) is embarking upon an expansion project to continue the efforts of reducing energy costs through the installation of renewable generating sources. The JPA's current solar array is on the path to provide substantial cost savings while reducing our carbon footprint. The new addition will add up to 20 acres of solar panels and produce between 4 and 5 megawatts of electricity through a Power Purchase Agreement (PPA) to offset the JPA's need for more expensive power sources. This project is estimated to save up to \$5.3 million over the 25 year life of the new solar array in reduced electrical costs for operating the wastewater and recycled water systems. This will translate into a reduction in future rate increases for customers. The project will take advantage of the Renewable Energy Self-Generation Bill Credit Transfer or RES-BCT tariff. This particular tariff will allow the JPA to produce electricity from the solar energy generation facility and to receive credit that can be used toward the electrical power used at other wastewater and recycled water facilities throughout the service area. Construction of the project is anticipated before December 31, 2019. There is no funding in the CIP budget since upfront costs will be borne by the firm that will be selected to install and maintain the solar field. Incidental costs for staff to solicit bids for the project are included in the operating budget.



Facility Rehabilitations and Replacements

As with any major utility, the District and JPA own and operate many facilities that require maintenance. As facilities age and routine maintenance no longer guarantees continued reliable operation, rehabilitations or even replacements are required. The FY2018-20 budget includes several capital improvement projects that involve the repair or replacement of a variety of facilities. Of the 28 projects in the potable water utility with activity scheduled during the 2-year budget period, nearly half are for facility rehabilitations or replacements. Most notable are several pressure regulator station and water storage tank rehabilitations. Of the 29 projects in the recycled water and sanitation enterprises, 17 relate to rehabilitations or replacements including several treatment processes at the Tapia Water Reclamation and Rancho Composting Facilities. Funding these improvements is critical to ensuring not only the continued reliable operation of the water, wastewater, recycled water and composting operations, but ultimately for the health and safety of our valued customers and protection of the environment.

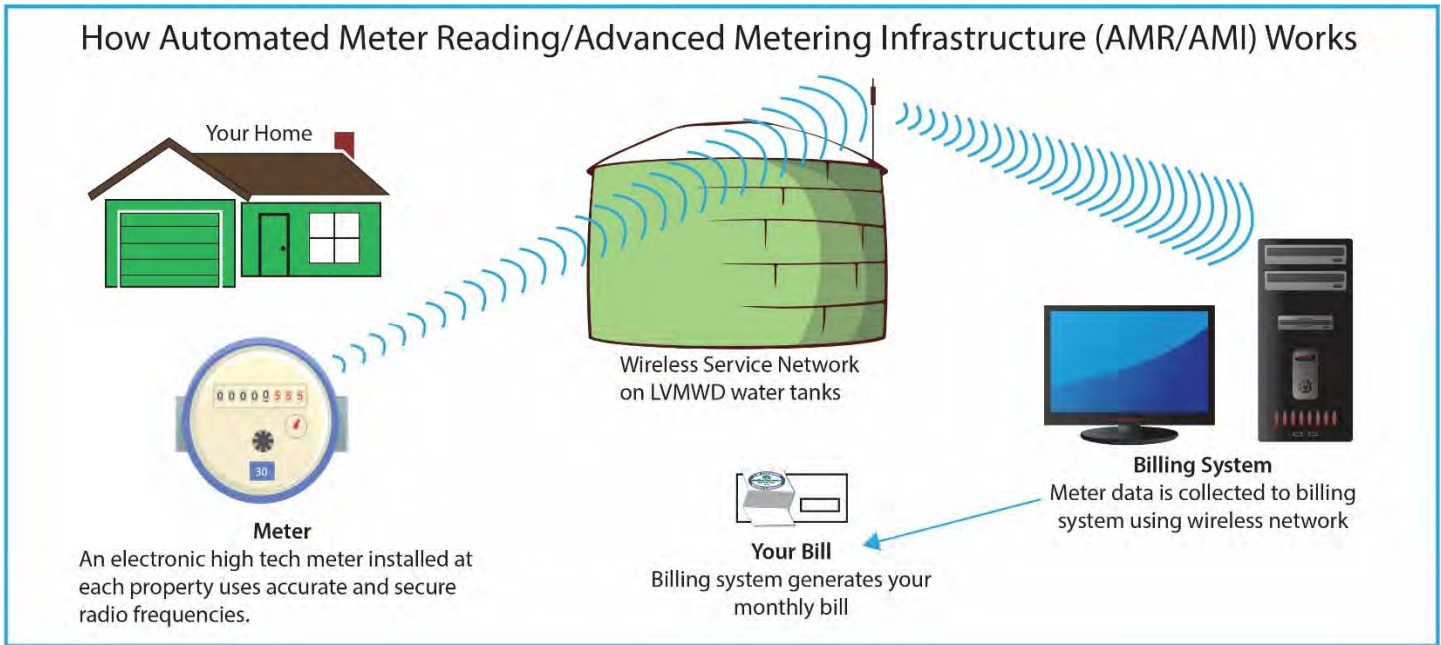
Interconnection with Calleguas Municipal Water District (CMWD)

This continues to be an imperative project that will enhance the reliability of both the District's and CMWD's water supplies. Once completed, this pipeline interconnection between the two agencies will provide a backup supply in the event either agency's main supply source is compromised. The FY2018-20 budget includes over \$3.2 million in funding for the intertie. The interconnection is scheduled to be completed in FY2020. CMWD and the District are working collaboratively on the project, which includes sharing the costs. This cost is being partially offset by an Integrated Regional Water Management Grant.

AMR/AMI Implementation

Up to 21,828 water meters will be replaced with new Automatic Meter Reading (AMR)/Advanced Metering Infrastructure (AMI) compatible meters. The AMR/AMI system will allow meters to be read automatically via radio transmissions to the District's Headquarters in Calabasas and will provide several advantages over the current manually read meter system. The major advantages include timely leak detection, improved efficiencies in reading meters, improved customer awareness of water use, and enhancements to personnel safety. During FY2018-19, the District will be soliciting bids from qualified vendors/contractors that specialize in providing an AMR/AMI solution. The meters are scheduled to be replaced during FY2019-20. Project costs are estimated between \$9 and \$12 million. The budget for FY 2018-20 includes the funding necessary to solicit bids and a portion of the funds to deploy the new

system. \$7.8 million in low-interest State Revolving Funds is being pursued to help pay for the new system. Alternative or additional funding includes available cash, a potential bank loan, or a combination of the two.



Enterprise Resource Planning (ERP)

The District implemented J.D. Edwards Enterprise Resource Planning (ERP) software in 1996 and it was most recently updated in 2013. Support for the current version of J.D. Edwards is being phased out and the District must either upgrade or replace the ERP system. In order to ensure that the District purchases the ERP system that best meets the District's needs and goals, staff is recommending a consultant to provide assistance in assessing ERP needs, preparing specifications and RFP document, evaluating vendors, assisting with contract negotiations, and assisting with implementation of the new system.

Regulatory Issues

National Pollutant Discharge Elimination System (NPDES)

In June of 2017, the Los Angeles Regional Water Quality Control Board approved a new National Pollutant Discharge Elimination System (NPDES) permit for Tapia. Limits established by the permit for total nitrogen (TN) and total phosphorous (TP) discharged to Malibu Creek are seasonal. The winter season (November 16 through April 14) limits of 4.0 milligrams per liter (mg/L) TN and 0.20 mg/L TP become effective November 16, 2030. The JPA's plan for compliance with the winter season nutrient limits will be achieved through the Pure Water Project Las Virgenes – Triunfo.

Tapia is prohibited from discharging to Malibu Creek from April 15 until November 15 each year. However, there are three specific exceptions to the discharge prohibition. One of these exceptions is a requirement to augment flow in Malibu Creek so that 2.5 cubic feet per second of maximum total flow is maintained to sustain endangered species (steelhead trout) habitat during dry periods. With the summer season limits for discharge now set at 1.0 mg/L TN and 0.10 mg/L TP beginning May 16, 2022, additional capital expenditures and operational costs are required.

There are several solutions to achieve compliance. The most expensive solutions involve the installation of treatment processes at the Tapia Water Reclamation Facility, which could cost several million dollars. The least expensive option, which would involve releasing potable water to Malibu Creek instead of recycled water, is estimated to cost approximately \$1 million in capital with very nominal operational costs. While this is the more likely alternative that will be pursued, the FY2018-20 budget includes a higher level of funding in the event that a more expensive solution is selected.

Conservation Measures

Conservation and the efficient use of our limited water supply remains a high priority. While the drought declaration was lifted in early 2017, the continued need for the efficient use of water and restrictions intended to prevent wasteful practices remain in place. The proposed budget includes both continued and new efforts associated with Governor Brown's Executive Order B-37-16 for Making Conservation a Way of Life. Under current law, the District must reduce water use by 20 percent on a per capita basis by the year 2020 compared to the 10-year average water use ending in 2008. The latest projections indicate that we are on track with meeting the 2020 mandate but will need to continue implementing conservation measures in order to ensure compliance. The FY2018-20 budget includes adequate funding for efforts to continue with the implementation of budget based water rates, as well as education and outreach efforts. The budget also includes more than \$1 million in funding for a new Weather Based Irrigation Controller (WBIC) giveaway program and just over \$128,000 for a new rain barrel giveaway program. These efforts will help insure compliance with both the 2020 mandate and new laws that are expected to come into place after the year 2020.



Information Systems Master Plan Implementation

In 2015, the District completed an Information Systems Organizational Review and Master Plan. On June 9, 2015, staff presented the Board with the results, which included several organizational changes and a five-year Information Systems Master Plan. This effort is very important as it supports Strategic Plan Goal 4, Provide Excellent Service that Exceeds Customer Expectations, Objective 4.2, Utilize Technology to Improve Service Delivery. Recommendations included in the Master Plan are reflected in the proposed budget with \$230,000 in FY 2018-19 for information systems-related projects including CIS upgrade and Boardroom AV upgrade, and \$247,500 in FY 2019-20 for information systems-related projects including Electronic Data Management and a CIS Mobile application.

THE BUDGET PROCESS

PREPARATION: JANUARY 2018

- Review prior budget process
- Review Tactical Actions and Activities, including goals, objectives, and performance measures
- Distribute budget manual
- Budget kick-off meeting

PREPARATION: MARCH 2018

- Board workshop
- Review major drivers and assumptions
- Develop budget estimates

PREPARATION: APRIL 2018

- General Manager meets with Departments
- Review budget in detail, GM changes incorporated into budget
- Preliminary Budget is presented to the Board
- Five- Year Infrastructure Investment Plan is presented to the Board

PREPARATION: JUNE 2018

- Board Adoption of Budget and Two-Year Budget Plan

YEAR TWO: JANUARY- JUNE 2019

- Review Budget for significant changes since adoption
- Budget Workshop for significant changes
- Board Adoption of Second Year

Summary of Activity, January 2018-June 2019

The budget process began in January 2018 when executive staff members met with the General Manager and the budget staff to discuss the guidelines and receive the Budget Manual. Staff was directed to develop the budget using current service and staffing levels.

In March 2018, the Board reviewed the major drivers and assumptions to be used in developing budget estimates at the Board budget workshop meeting on March 20.

In early April 2018, the General Manager met with representatives from each department to discuss and review the budget in detail. The changes made by the General Manager are incorporated in the budget. On April 22, the Board reviewed the preliminary budget for operating revenue and expenses, projected capacity fees and capital projects. Also, the Board received a five-year Infrastructure Investment Plan during April 10 and it was incorporated into the FY 2018-20 two-year budget.

In June 2018, the Board adopted the FY 2018-19 budget and approved the FY2018-20 Budget Plan.

The budget process for FY 2019-20 will begin in January 2019. Staff will be directed to identify any significant changes between the approved FY 2018-20 Budget Plan and proposed FY 2019-20 Budget. These significant changes will be then incorporated to the FY 2019-20 proposed Budget.

Developing and monitoring the budget is an ongoing process and the estimates that are developed from this process are modified throughout the budget period to respond to unfolding events. Monthly reports of expenses and revenues are compared to the budget and developed to provide a method for ongoing review at the department level. The Board reviews quarterly financial status reports.

By responding quickly to events that impact the budget, the District is able to maintain consistent levels of service provided to our customers as well as safeguard the financial base against erosion from unforeseen events outside the control of the District.

Basis of Revenue Estimates

The major source of revenue for operations is utility user fees. For potable and recycled water, the District charges a fixed meter service charge. Potable commodity rates have four tiers and may also include a pumping charge for those areas at higher elevations that require additional pumping. Recycled water has a three-tiered rate structure and where applicable, elevation pumping charges. Sanitation has a six-tiered rate structure for single-family residential units that is based on the number of occupants, and a four-tiered rate for commercial users based upon effluent strength and flow.

The income from water sales is much more dependent on weather and the economy than on the number of customers or price of water. Because it is nearly impossible to predict weather conditions for the budget year, the District traditionally uses a three-year average of usage and current water rates to estimate budget year revenues. Over time this method has proven effective. However, due to the Governor's 2015 executive order to reduce water usage as a result of the persistent drought, and the State Water Resources Control Board emergency regulations; the District must consider whether any adjustments to its conservation efforts are required. For this budget cycle, the District has complied with its mandated water reductions. No further reductions are built into the budget estimates.

The estimated revenue for recycled water is normally based upon a three-year average then increased slightly to recognize new recycled water customers added in the previous year. However, the view of the District is to promote conservation, even with recycled water. The revenue estimates for FY's 2018-20 were based on similar assumptions as the potable water estimates.

The estimated revenue for sanitation is based upon the current number of residential customers factored at the per-person monthly tiered-rate, plus an estimated amount based upon averages of our commercial customers.

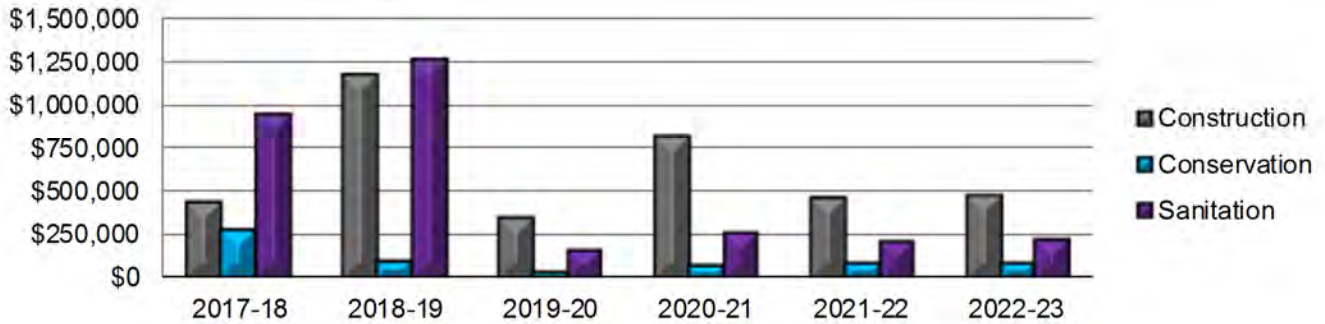
Other operating revenues, such as late fees, are minor and are based upon historical averages. Interest income, which is non-operating revenue, is based upon projected cash balances per fund factored by projected interest rate. The District receives a small amount of property tax that is dedicated to the replacement funds. Property tax is estimated by applying a projected growth factor each year.

Capital improvement projects are financed by those benefiting from the improvement. If the improvement is to provide for future customers, the project is financed from capacity fees. If the improvement benefits current customers, the project is financed with operating funds. In some cases, the District receives grant funds from the state or federal government for a project. Some projects that benefit both future and current customers may be paid by a combination of construction, replacement and grant revenue.

Capacity fees for each enterprise are projected based upon deposits from developers and staff appraisal of when the development will be completed so that the deposit can be taken to revenue. Although the District may have deposits on hand, it is very difficult to project when the revenue will become available as the developer may pull the deposit with interest should the development not proceed. The following table shows the capacity fee revenue projected for the current and future years.

Anticipated Capacity Fee Revenue

Fiscal Year	Construction	Conservation	Sanitation	Totals
2017-18	448,050	286,418	961,278	1,695,746
2018-19	1,182,676	101,445	1,267,296	2,551,417
2019-20	358,970	35,456	169,034	563,460
2020-21	823,977	81,435	268,098	1,173,510
2021-22	471,166	92,846	220,777	784,789
2022-23	485,301	95,631	227,400	808,332



Personnel Additions, Deletions or Reclassifications

There are no staffing changes proposed for Fiscal Years 2018-19 or 2019-20.

Debt Obligations

In December 2009, the District retired the 1998 Revenue Bonds using a Sanitation Refunding Revenue Bond issue and prepaying debt service owed by the potable and recycled water enterprises. The new bond was the District’s first bond issue to be rated and LVMWD received a rating of AA from Standard and Poor’s. With this rating and beneficial market timing, the savings to the District were substantial and will provide stability for the Sanitation Enterprise in the future.

The budget includes debt service payments for the 2009 Revenue Bonds, which will be retired in November 2023. The debt service payment for these bonds is as follows:

Year Ending June 30,	Principal	Interest	Outstanding Principal	Total
2019	2,210,000	541,225	12,460,000	2,751,225
2020	2,305,000	450,450	10,155,000	2,755,450
2021	2,400,000	353,825	7,755,000	2,753,825
2022	2,480,000	272,975	5,275,000	2,752,975
2023	2,580,000	174,075	2,695,000	2,754,075
2024	2,695,000	58,513	-	2,753,513
	\$14,670,000	\$1,851,063		\$16,521,063

FY 2018-19:		
Sanitation Replacement	67.00%	\$1,843,321
Sanitation Construction	33.00%	\$907,904



The District's future borrowing capability is limited by the debt coverage ratio (net earnings divided by maximum annual debt service) required by the existing bond covenants. The covenants require that the coverage exceed 1.10. For Fiscal Year ending June 30, 2017, net revenue available for debt service was \$8.03 million and debt service was \$2.76 million, for a ratio of 2.91. Thus, the District has the capacity to support additional debt in the future. The District can issue revenue bonds at its discretion up to the minimum debt coverage ratio; however, issuing general obligation bonds requires a vote of affected taxpayers.

Cost Allocation

The general and administrative costs of the District are distributed to the three enterprises and capital projects through a cost allocation plan developed in accordance with federal regulations from the Office of Management and Budgets (Circular A-102). By meeting federal requirements, the plan allows the District to allocate overhead to future federal and state grants. The preliminary budget reflects the allocation of general and administrative costs as shown in the cost allocation plan, which was updated in FY 06-07. Since then, staff has acquired the proprietary software, enabling the allocations to be updated for FY2016-18. Building rental is allocated based upon square footage. Laboratory expense is allocated based upon the number of samples collected and analyzed.

Budget Basis and Level of Budgetary Control

The District operates on the accrual basis of accounting and budgeting, following “generally accepted accounting principles” (GAAP), which means that revenues and expenses are recorded in the periods in which the transactions occur, regardless of the timing of cash flows. Exceptions to this are:

- Principal payments on long-term debt are applied to the outstanding balance of the debt (GAAP). The working capital schedules in the budget document show the use of working capital when the principal payments are due.
- Capital projects/outlays are recorded as assets when acquired or as projects are completed (GAAP). The working capital schedules in the budget document show the use of working capital as capital improvement projects are projected.
- Depreciation expense is not budgeted, but is recorded annually for GAAP only.

Budgets are monitored at varying levels of classification detail. However, expenditures cannot exceed total appropriations at the department level.

- Department heads may transfer resources within a department and within the same enterprise as they see fit, but transfers between departments or enterprises need approval from the Board.
- If a department experiences an extraordinary unbudgeted expense that may cause it to go over budget by year-end, the General Manager will ask for approval from the Board. This is a frequent occurrence in capital improvement projects and such requests come to the Board in the form of change orders.

Each department and program manager receives a monthly financial status report to monitor and review expenses. The Board reviews a quarterly financial status report.

Proposition 4 (Gann) Appropriation Limit

The District is not subject to the appropriation limit since it did not levy a tax rate greater than \$0.125 per \$100 of assessed valuation and was in existence prior to January 1, 1978.

FISCAL YEAR 2018-20 TACTICAL ACTIONS AND ACTIVITIES

Strategic Objective No. 1

Develop a strategy to maintain a highly effective workforce.

- Assist in organizational development through improved training and professional development.
- Implement recommendations from various District Committees including but not limited to the Safety Committee and the Ideas Committee/Subcommittees to the extent they are feasible.
- Identify, coordinate and implement cost-effective training programs focused on employee development.
- Update Administrative Policies related to HR to ensure compliance and sound workplace practices.
- Negotiate successor MOUs to promote positive labor relations.
- Continue utilizing recruiting strategies that attract a qualified and diverse talent pool.
- Implement a diversity and inclusion plan focusing on education and engagement of employees.
- Focus on succession planning strategies developed by the committee to ensure efficient transition when experiencing turnover.

Strategic Objective No. 2

Improve LVMWD's water supply reliability.

- Complete the detailed design for an interconnection with Calleguas Municipal Water District and coordinate with Calleguas on the preparation of a joint-CEQA document. Issue a call for bids and award a construction contract.
- Complete design and construction of a 14-inch pipeline connecting the 30-inch transmission main in Valley Circle to the Twin Lakes Pump station to provide additional capacity and improve water supply reliability to the Twin Lakes subsystem.
- Complete the 2020 Urban Water Management Plan
- Complete the 2020 Watershed Sanitary Survey for Las Virgenes Reservoir
- Obtain approval from the Division of Drinking Water of a revised Potable Water System Permit incorporating the results of the tracer study at the Westlake Filtration Plant
- Consider and evaluate non-potable water sources to increase the influent of the Pure Water Project such as groundwater, low flow diversions and sewerage of septic systems.

Strategic Objective No. 3

Support customers to meet water-use efficiency standards.

- Participate in statewide discussions on Governor Brown's Making Conservation a California Way of Life, and promote its implementation by the District and its customers.
- Continue with efforts to help customers manage water use by educating them on their water budgets and providing helpful tips to reduce water use through in person-contact, social media and other outlets.
- Continue with focused outreach for inefficient water users in conjunction with the deployment of the Advanced Metering Infrastructure (AMI or Smart Meters) and the implementation of a plan for providing weather based irrigation controllers and other water saving initiatives.
- Continue with efforts to increase participation in regional and District-administered conservation programs.
- Continue making refinements to customer data for more accurate water budgets.
- Solicit and identify a vendor that will provide a customer interface platform in conjunction with deployment of the AMI Project.

Strategic Objective No. 4

Eliminate discharges to Malibu Creek by maximizing beneficial reuse.

- Have the Independent Advisory Panel complete their review of the mixing and dilution study and act on any recommendations.
- Continue the investigation and evaluation of sources of chloride in the JPA's recycled water to support a Basin Plan Amendment to increase the chloride limit for discharges to the Los Angeles River.
- Complete the evaluation of alternatives for compliance with summer time TMDL discharge limits, select a preferred alternative, and complete preliminary design and environmental analysis.
- Complete the Title XVI Feasibility Study and gain Bureau of Reclamation approval.
- Complete the implementation of a pilot project for low-flow diversion of urban runoff to the sanitary sewer system with the Los Angeles County Department of Public Works.
- Enhance public outreach, regulatory coordination and financial planning for the Pure Water Project Las Virgenes-Triunfo.
- Continue to track and provide comments on important SWRCB policy processes for a Numerical Nutrient Endpoint (NNE) framework, development of biological objectives and toxicity.
- Continue to engage in community outreach programs intended to keep customers informed of Malibu Creek Watershed issues including the use of social media and other outlets.
- Closely monitor local city and county MS4 permit activities.

Strategic Objective No. 5

Achieve a high credit rating for LVMSD's three enterprises.

- Continue to rebuild the potable water enterprise reserves towards stated policy levels.
- Present an annual review of the Investment Policy and Cash and Investment positions to the Board.
- Pursue grant-funding opportunities to offset the cost of major District projects, particularly the Pure Water Project Las Virgenes-Triunfo.
- Continue to receive the GFOA awards for the District's budget, CAFR, and PAFR documents.
- Continue to improve and expand the District's financial reporting to reach a broader audience to increase transparency.
- Ensure the District's financials reflect the most current implementation of GASB standards.
- Continue to evaluate important District operations to ensure that sufficient internal controls are employed to minimize potential financial risk.
- Continue to adhere to the District's bond covenants.
- Continue to promote and further the fiduciary responsibility and integrity of District staff responsible for administration and oversight of public funds.

Strategic Objective No. 6
Reduce LVMWD's carbon footprint

- Issue and evaluate a Request for Proposals for an additional 4 to 5 megawatts of solar power generation capacity in the North Canyon, utilizing the REC-BCT tariff.
- Complete the installation of new process air compressors and diffusers for the Tapia Process Air Improvements Project, which will result in a significant reduction in Tapia's energy usage.
- Implement the lighting retrofit at Rancho including applying for SCE rebates.
- Initiate a study to consider floating PV panels at Las Virgenes Reservoir.
- Continue school education programs focused on conservation and environmental stewardship in addition to adult education opportunities (i.e. landscaping and gardening classes).

Strategic Objective No. 7
Provide new/improved customer tools to enhance service delivery.

- Plan, design, bid and deploy a new Advanced Metering Infrastructure (AMI) system and educate customers on the benefits of AMI along with the proper utilization of it's customer interface portal.
- Implement billing enhancements: billing transfers consolidated billing and automatic owner move-ins/outs as part of the new CIS Version 4 Software.
- Implement rain forecast, shutdowns and other useful information with a new Customer Interface Platform and in conjunction with deployment of the AMI Project.
- Conduct a customer satisfaction survey as part of the AMI Project.
- Continue to build and maintain relationships with city and county government officials in the service area.

Strategic Objective No. 8
Develop a process to act on efficiency improvement suggestions.

Strategic Objective No. 9
Enhance LVMWD's asset management programs.

- Continue to update and improve the District's asset management programs such as the Infrastructure Investment Plan, scheduling of tank coating rehabilitation based on condition and evaluation of the distribution system based on failure history and condition.
- Reevaluate the SCADA communication project and revise the plans and specifications accordingly.
- Proceed with the conversion and replacement of the District's SCADA system field components (PLCs) at Tapia, modernizing obsolete equipment.
- Complete the various rehabilitation/replacement projects identified in the Fiscal Year 2018 -19 and 19-20 Budget and Infrastructure Investment Plan.

Other Important Tactical Actions and Activities

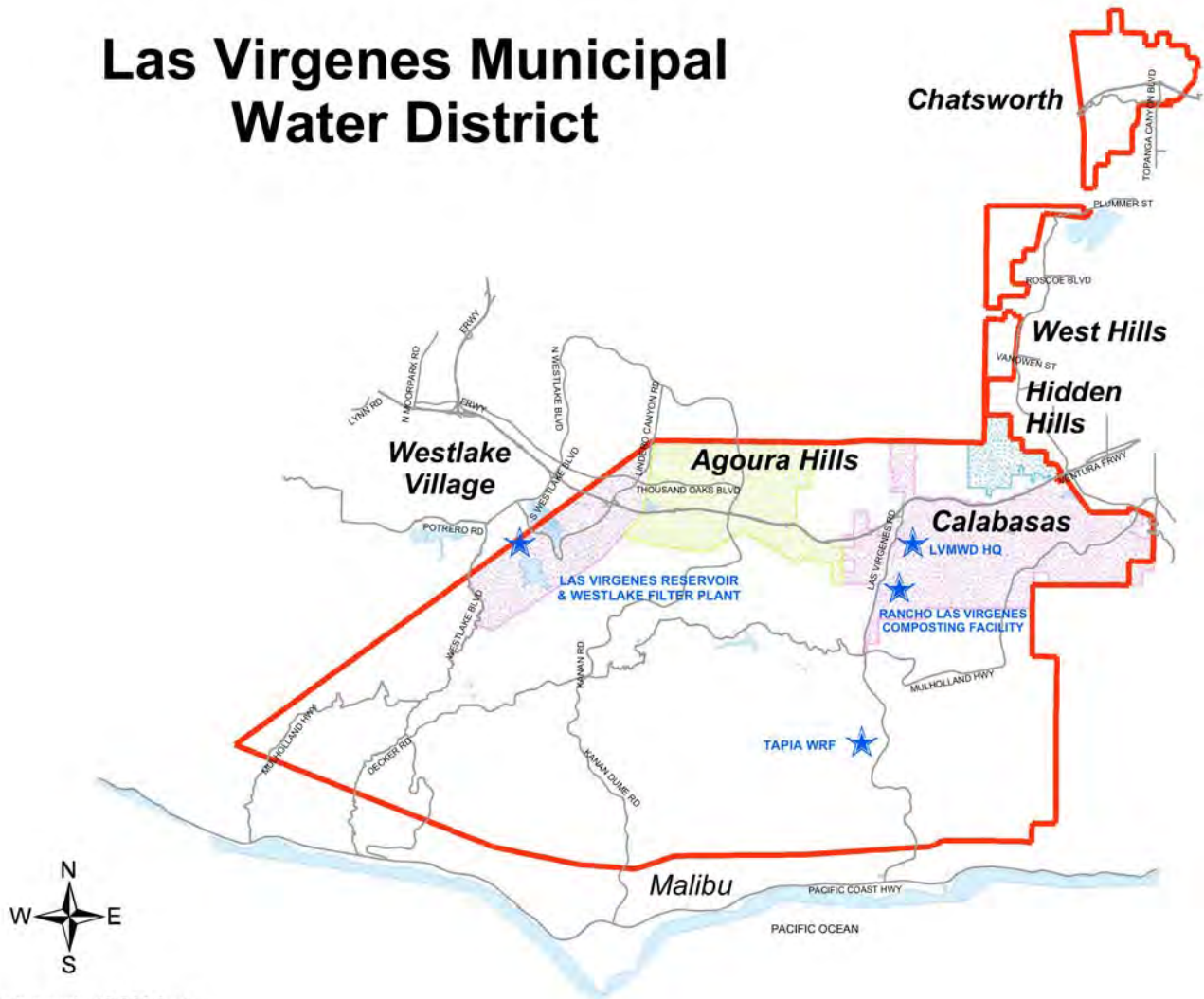
- Evaluate operational strategies to minimize the financial impact of changes to SCE tariff/rate schedules on the cost of the District's energy consumption.
- Continue to participate in the Association of Water Agencies of Ventura County.
- Conduct an emergency response exercise.
- Maintain awareness and interactions with MWD on outreach and legislative initiatives.
- Conduct legislative monitoring and advocacy per the adopted District and JPA Legislative Policy Principles.
- Monitor and implement industry trends in communications, education and outreach programs.
- Conduct outreach for the District's capital improvement projects.
- Utilize speaker's bureau outreach on important District issues.
- Conduct outreach to community groups (HOAs, chambers of commerce and service clubs).
- Sponsor community forums on key water and wastewater issues.
- Conduct tours of MWD, District and JPA facilities.
- Maintain a presence at key community events.
- Continue website enhancements to improve the customer experience in accessing District information.
- Increase social media followers by introducing short, informative and fun-to-watch video clips.
- Implement the Information Systems Master Plan:
 - Complete JD Edwards Post Implementation Evaluation Review (PIER) / ERP Assessment Project.
 - Assess/replace the Board Room audio/video conferencing system.
 - Assess options for electronic document management system.
 - Develop a GIS roadmap.
 - Assess the development of management dashboards to quickly provide key management indicators.
 - Complete a District-wide mobility review and plan to increase remote access to key District information and resources.

DISTRICT PROFILE

Background

Las Virgenes Municipal Water District (LVMWD) is a California Special District formed by local residents in 1958 to secure a reliable source of high-quality water for the portion of Los Angeles County located between the City of Los Angeles boundary at the west end of the San Fernando Valley, to the Ventura County line to the west and north, and south to the Malibu city limit. The District was created during a drought that saw local wells run dry. LVMWD rose from a grassroots effort to find a water supply without annexing to the City of Los Angeles. Upon its creation by voters, the District sought, and ultimately achieved annexation to the Metropolitan Water District of Southern California, which is currently the only source of potable water to LVMWD's 122 square-mile service area.

Las Virgenes Municipal Water District



1 inch equals 15,000 feet

The District provided its first water deliveries to local customers in 1963; the initial connection was to the Agoura Fire Station on Cornell Road. That same year, the District formed a sanitation district to address emerging wastewater issues. In 1964, the Las Virgenes – Triunfo Joint Powers Authority (JPA) was established with Triunfo Sanitation District, which processes a portion of Ventura County. The JPA cooperatively treats wastewater for the region, which lies primarily in the Malibu Creek watershed. With the JPA agreement in place, construction commenced on the wastewater treatment plant that is now the Tapia Water Reclamation Facility.

Serving a relatively small area, Tapia began processing some half-million gallons of wastewater per day in 1965. The treated effluent was sprayed on a nearby hillside and the extracted biosolids were used to fertilize feed crops by local farmers. With these disposal activities, Las Virgenes Municipal Water District began its development of the

beneficial reuse of materials formerly considered “waste.” Three years later, Tapia was expanded to a capacity of two million gallons per day to support the needs of the region’s growing local population.

Because there are no local potable water sources, in 1972, LVMWD completed the Las Virgenes Reservoir in Westlake Village to provide a backup supply of potable water for customers and to provide a means to meet peak-season demands. That same year, the District began the practice of supplying recycled water from Tapia to local landscapes, becoming a pioneer in water reuse. By 1976, due to growth in the region, it was necessary to again expand Tapia, this time to a capacity of six million gallons per day.

Water recycling continued to expand, with the addition of golf courses and school facilities to the list of recycled water irrigation customers. In 1982, Tapia grew to a capacity of eight million gallons per day. That same year, a farm was created on District lands at Rancho Las Virgenes, providing 91 acres for the injection of biosolids extracted from wastewater processed at Tapia, diverting those materials from landfills.

In 1984, the JPA commenced tertiary (three-step) wastewater treatment at Tapia, bringing the plant’s effluent to Department of Public Health Title 22 standards, which certifies the water as safe for full body contact. This step led to the approval of year-round discharges to Malibu Creek, adjacent to Tapia. Four years later, the Tapia Water Reclamation Facility was awarded the United States Environmental Protection Agency’s top national award for operations and maintenance.

When more stringent drinking water regulations were adopted, the need arose to further process already-treated water stored in the open Las Virgenes Reservoir. In 1989, the Westlake Filtration Plant was added at the site to “polish” stored potable water supplies before delivery to customers.

In light of a rapidly-growing local population in the late 1980s and early 1990s, Tapia’s capacity was again expanded in 1993, this time to a capacity of 16 million gallons per day. One year later, the JPA began operations at its Rancho Las Virgenes Composting Facility, which transforms biosolids extracted from wastewater into USEPA “Class A – Exceptional Quality” soil amendment. Rancho’s opening advanced the Districts’ goal of maximizing beneficial reuse.

Services Today

Las Virgenes Municipal Water District has grown considerably from its modest beginnings, today providing water, wastewater, recycled water and biosolids composting services to more than 70,000 residents in its service area. The Las Virgenes – Triunfo Joint Powers Authority serves approximately 100,000 people throughout the District’s service area and extreme western Ventura County.

In addition to the major facilities that include Las Virgenes Reservoir, Westlake Filtration Plant, Tapia Water Reclamation Facility and Rancho Las Virgenes Composting Facility, Las Virgenes Municipal Water District’s potable water system includes 25 storage tanks, 24 pumping stations, and some 396 miles of main water lines; a recycled water system comprised of three storage tanks, four pumping stations, two reservoirs and 66 miles of purple-pipe; and a sanitation system with 2 lift stations and 56 miles of trunk sewer lines.

LVMWD serves approximately 20,000 acre-feet of potable water annually and nearly 5,000 acre-feet of recycled water (one acre-foot = 325,900 gallons). The Tapia WRF receives and treats to an average of 6 million gallons per day (mgd) of sewage, including 3 million gallons per day from Triunfo Sanitation District. The Rancho Las Virgenes Composting Facility produces over 15,000 cubic yards of compost annually, diverting some 80,000 gallons per day of biosolids from our landfills.

Governance

Las Virgenes Municipal Water District is organized under the Municipal Water District Act of 1911 (California Water Code 7100). A five-member board of directors, each elected by geographic divisions, provides governance. Directors serve overlapping four-year terms, and every two years - concurrent with installation of the newly elected board – they select board officers. The board also selects a local representative from LVMWD to serve on the Board of Directors of the Metropolitan Water District of Southern California.

Local Economic Conditions and Outlook

The LVMWD service area includes the cities of Agoura Hills, Calabasas, Hidden Hills and Westlake Village, and adjacent unincorporated portions of western Los Angeles County.

The region is highly desirable for both residences and businesses, with exceptional natural attributes, known to be among the most picturesque areas in southern California. Much of the service area lies within or adjacent to the Santa Monica Mountains, with their associated rugged terrain; wildlife habitat, mountain and ocean views; and moderate Mediterranean climate.

Open space and recreational opportunities abound, with considerable local acreage. Nearly forty percent of the LVMWD service area is permanently dedicated as national and state parkland or privately held open space. Numerous beaches lie within minutes of any location in the area. Varied academic institutions are proximate and easily accessible, including Pepperdine University's Malibu campus; California Lutheran University in Thousand Oaks; California State University, Northridge; California State University, Channel Islands; along with junior colleges; Moorpark College and Pierce College.

The LVMWD service area contains some of the highest assessed values for property in Los Angeles County. Most are relatively new communities with recently-installed infrastructure and an award-winning K-12 school system. A number of private elementary and secondary schools may also be found within the District's boundaries.

Low crime rates and well-managed amenities make the area attractive to residences and businesses. The region has an excellent reputation for safety and security, comparable with the neighboring City of Thousand Oaks, which is consistently rated as one of the safest cities in the nation with a population greater than 100,000. Recreation and parklands abound in the community and there is a strong desire by residents and land use authorities to preserve and maintain open space and environmentally sensitive areas.

Primarily residential, the region is also home to notable corporations and commercial activities. Located within the service area are concentrations of finance, high tech and defense contractors, including the national headquarters of Dole Food Company, Guitar Center, and The Cheesecake Factory, among others. The region is also served by a wide variety of quality hotels and motels, most built recently to serve the expanding business base. The area is statistically shown to be a source of quality jobs, having endured the recent economic downturn with fewer impacts than many other regions.

The prospects for future economic growth in the area are strong. Development is carefully managed by all local cities, and county leadership plays an active role in working to sustain the unique amenities and quality of life that residents have come to expect.

Well-defined zoning, building height restrictions, traffic considerations and architectural standards are some of the criteria employed to assure building and maintaining quality communities. Specialized service niches of local commercial activities are expected to flourish, while offering the strength of diversity, with no single industry dominating the area.

Some of the regional businesses include hospitality, biomedical R & D, financial services, entertainment industry production, medical services, corporate administration, legal services and more. Similarly, regional strengths that have attracted people and companies to the area stand to increase in their lure, as other regions become more fully developed.

Moving forward to locally-source water is both a priority and a commitment for the LVMWD and the JPA. The JPA is implementing a visionary project to enhance local water supply reliability and drought resilience while eliminating wastewater discharges to Malibu Creek.

The Pure Water Project relies on indirect potable reuse, a water supply strategy now adopted by many cities and water agencies in California and across the United States to provide local, reliable water supplies.

The project begins with the installation of the infrastructure needed to deliver the recycled water to the proposed advanced water treatment facility where proven, state-of-the-art technology will be used to further purify the water.

The project eliminates the discharging of usable wastewater into Malibu Creek and instead becomes a viable source for potable, locally-produced water. The Pure Water Project creates an affordable and reliable local water supply

supply that will be cost-competitive with imported water, stabilize water rates, safeguard the local economy and significantly reduce the uncertainty of supply associated with importing water due to climate change and long-term drought conditions.

This critical reliability improvement project will require public participation and acceptance, regional leadership, and the funding to move from concept to reality.

Las Virgenes Municipal Water District Internal Reporting Structure

For internal management purposes, the District maintains separate accounting for certain activities, as summarized below. For outside financial reporting purposes, the accounts are consolidated into one legal reporting entity, which is an enterprise fund.

Operations			
	Potable	Recycled	Sanitation
Business Units:	101xxx	102xxx	130xxx
Internal Services		JPA	
Business Units:	701xxx	751xxx	
Capital Projects			
Replacement	Construction	Other	
Potable Recycled Sanitation JPA	Potable Recycled Sanitation JPA	Debt Service Reserves	

Operations Funds are used to account for the day to day operations of the District. Rates charged customers are the primary revenue source for these funds.

Internal Services 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, etc. are administered through the Internal Services fund.

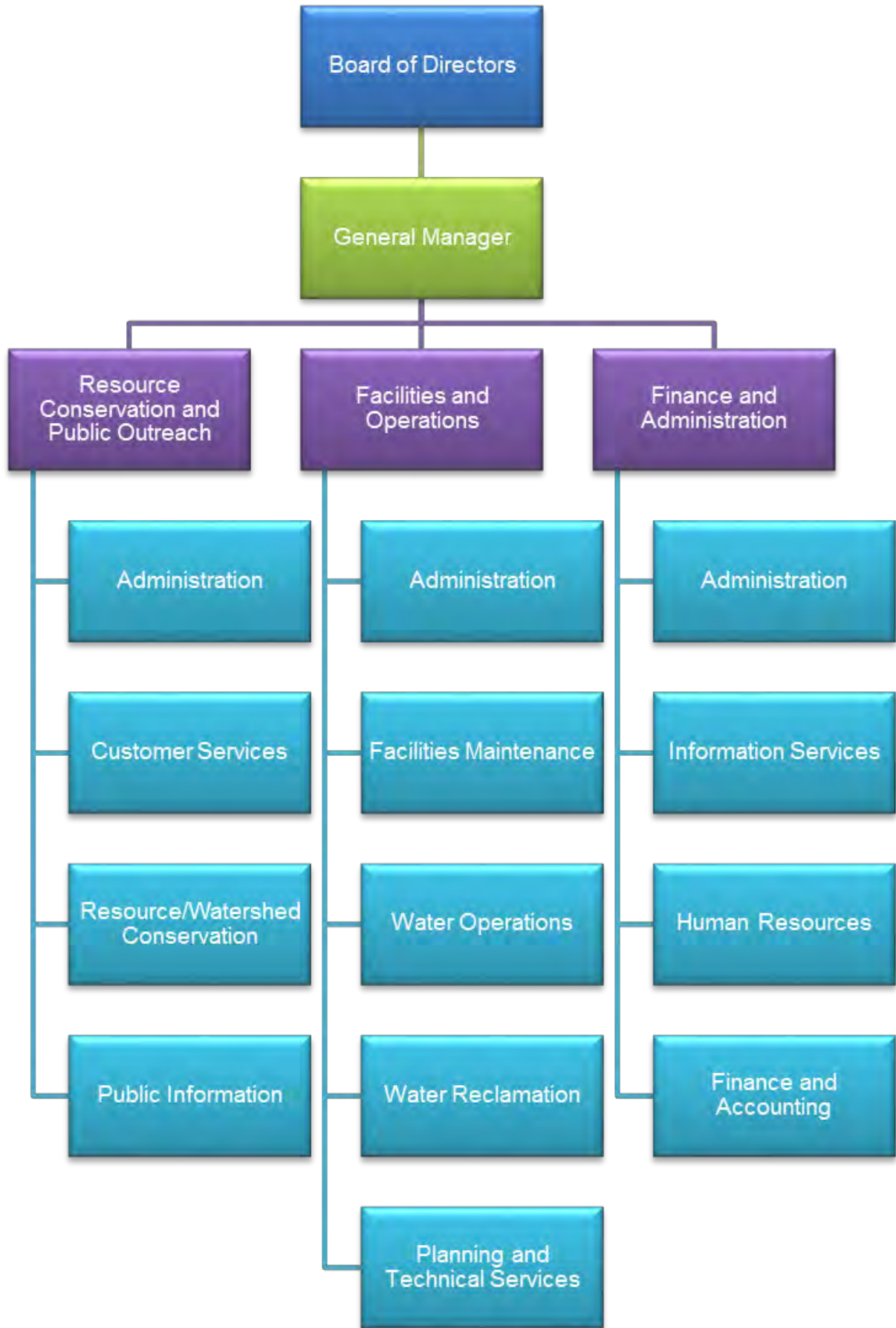
Joint Powers Authority (JPA) Funds are used to account for all activities which benefit both participants. Revenue and expenses are shared based on participants' flows and capacity rights, as provided in the joint powers agreement.

Capital Project Replacement Funds are used to account for replacement of existing assets and infrastructure that benefit existing customers. Rates charged customers (via a transfer of funds from the operations funds) and grant revenues are the primary revenue sources for these funds.

Capital Project Construction Funds are used to account for construction of assets that benefit new or future customers. Connection Fees charged to new customers are the primary revenue source for these funds.

Debt Service accounts are used for Debt Service payments.

Reserve accounts are used for the District's reserves based on the District's financial policies.



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	Filled as 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
	BOARD & GENERAL MANAGER							
701121	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL GENERAL MANAGER		2.0	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	Filled as 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
	RESOURCE CONSERVATION & PUBLIC OUTREACH							
701210	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701220	Customer Service-Administration	1.0	1.0	1.0	1.0	1.0	1.0	1.0
701221	Customer Service Operations	15.0	15.0	15.0	15.0	14.0	15.0	15.0
701226	Customer Service Programs	3.0	3.0	3.0	3.0	3.0	3.0	3.0
701223	Resource/Watershed Conservation	3.0	4.0	3.0	3.0	3.0	3.0	3.0
701230	Public Information	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TOTAL RESOURCE CONSERVATION & PUBLIC OUTREACH		27.0	28.0	27.0	27.0	26.0	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	Filled as 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
	FACILITIES & OPERATIONS							
701310	Administration	2.0	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	0.7
701326	Electrical/Instrumentation-Maint	6.0	7.0	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	8.0
701325	Facilities Maintenance-Fleet	1.0	1.0	1.0	1.0	1.0	1.0	1.0
701330	Water Division-Admin	0.8	0.3	0.3	0.3	0.3	0.3	0.3
701331	Water Treatment & Production	11.0	11.0	11.0	11.0	9.0	11.0	11.0
701322	Construction	7.0	6.0	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	3.0
701341	Reclamation Division-Lab	6.0	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	8.0
701343	Reclamation Division-Composting	6.0	7.0	7.0	7.0	7.0	7.0	7.0
701350	Technical Services Division	8.0	9.0	9.0	9.0	8.0	9.0	9.0
TOTAL FACILITIES & OPERATIONS		69.0	69.0	69.0	69.0	66.0	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	Filled as 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
	FINANCE & ADMINISTRATION							
701410	Administration	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701420	Information Systems	6.0	6.0	6.0	6.0	5.0	6.0	6.0
701430	Human Resources/Risk Mgmt	2.0	2.0	2.0	2.0	2.0	2.0	2.0
701440	Accounting	9.0	9.0	9.0	9.0	9.0	9.0	9.0
TOTAL FINANCE & ADMINISTRATION		19.0	19.0	19.0	19.0	18.0	19.0	19.0

TOTAL AGENCY STAFF POSITIONS		117.0	118.0	117.0	117.0	112.0	117.0	117.0
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PROPOSED FINANCIAL POLICIES

POLICY 1: Restricted Cash

The District will maintain cash, to be used solely for its intended purpose, in an amount equal to funds restricted by legal requirements, contractual agreements and trustee requirements.

The District is limited in the means in which it may use certain cash (“restricted cash”) due to legal and contractual requirements.

Other reserves/funds are unrestricted; they are established by Board direction to address potential needs as defined in the policies that follow. Unrestricted reserves may be adjusted in amount and directed for needs other than those initially contemplated, but funds described in Policy 7 for replacement/major maintenance must be used only for needs of the enterprise from which the funds were generated.

AB 1600 requires that development impact fees (“capacity fees”) and interest generated from such can only be used for capital projects related to expansion, not replacement or enhancement. These funds are maintained separately in the appropriate enterprise **Construction Fund**.

Vested sick leave results from contractual obligations with employees. Cash is maintained in an amount equal to the vested sick leave obligation. Upon voluntary termination, retirement or death of an employee, the vested sick leave accrual is paid to the employee or their beneficiary.

Trust funds hold cash that has been deposited with the District for future obligations that may or may not occur. These obligations include developer/customer deposits and pre-funding by Triunfo Sanitation District for their portion of JPA capital projects and 3 months operating expense.

A **Bond covenant** is cash held as a surety that the annual bond payment and interest will be made. The official documents of the bond transactions require that funds be deposited and maintained with the trustee until the final bond payment is made or the bond issue is defeased. If the District had to draw on this reserve to pay any portion of the debt service payment before the issue had fully matured, the District would be in technical default and the trustee could require the District to pay off the bondholders at once. The District’s refunding bond reserve has been deposited through the bond trustee, Bank of New York, in the state of California’s Local Agency Investment Fund (“LAIF”). The current bond coverage required for the district is that net operating income must be at least 110% of the maximum annual debt service.

POLICY 2: Balanced Budget/Annual Board Review

The District will maintain a balanced operating budget for each enterprise fund with annual revenues equal to or greater than annual expenditures. However, the Board may determine that reserves be used to augment operating revenues under certain circumstances. The Board will review annually the working capital, cash, projected income and bond coverage levels to determine the adequacy of each.

If in any given fiscal year operating expenditures will exceed the operating revenue projected in the same year, causing a budget imbalance, cost cutting measures or revenue enhancements may be addressed before spending reserves to support on-going operations. Cost cutting measures may include reductions in capital improvement projects, reductions in staff or reductions in expenditures for materials, services, or supplies. Such expenditure or staff reductions may result in reduced service levels. Alternatively, the Board may determine that circumstances warrant taking money from reserves to offset expenses larger than operating income.

At year-end, net revenue after expenses (“income”) will be transferred to funds as directed by the Board, subject to any legal limitations on the Board’s discretion. Funds balances are addressed annually as part of the budgeting process.

Available cash in the various funds reflects the District’s ability to pay current bills and commitments, as well as underwriting the risk level the District is willing to accept.

POLICY 3: Rate Stabilization Fund

The District will maintain a Rate Stabilization Fund in an amount of \$8 million to maintain rate stability for customers in times when short or mid-term cash needs are volatile.

The District's potable water operating revenue *can vary greatly* based on climatic conditions. During periods of heavy rain, potable water revenue drops significantly from the three year average at which revenues are budgeted. During significantly hot, dry periods, a reverse trend is seen wherein significant revenue is generated by higher sales than the three year average. During periods of extended water shortage, when customers are asked to reduce consumption, the impact on potable water revenue is similar to the effect of heavy rain. Rather than raising water rates on a temporary basis to cover expenses during these times, the Rate Stabilization Fund (RSF) allows the Board to balance operating revenue to operating expenses by a transfer.

POLICY 4: Financing Alternatives

As part of the annual Infrastructure Investment Plan (IIP) budgeting process, the District will examine options available to pay for the proposed projects, including the option of financing.

Each year the Board reviews needs for capital improvements and major maintenance over the next five years (the capital improvement plan "CIP"). Expenditures are projected on an annual basis, but the available fund balance for replacement or major maintenance is not always adequate to cover the need when it arises. The Board favors a pay-as-you-go program for the IIP program, but the District may not have funds available to pay for projects in any given year, or projects anticipated in future years may be of a type that would be difficult to finance. Such considerations may dictate financing as the preferred alternative. If a project requires substantial expenditures over several years and interest rates are low, the District may consider issuing financing now and reserving the available funds for need at times when interest rates are higher.

The Board has determined that debt service should not exceed 15% percent of reliable revenue sources.

POLICY 5: Fiscal Impact Analysis

Staff shall prepare a fiscal impact analysis for each budget appropriation request not included as part of the Annual Budget. Available fund balances are intended to be appropriated only for "one-time" nonrecurring expenditures not covered by the current annual budget.

When non-budgeted items are brought before the Board for consideration, the resulting fiscal impact will be analyzed. The Board requires all requests for new or supplemental budget appropriations to be accompanied by a fiscal impact statement including:

- Amount of funds requested
- Source of funds requested
 - New revenue
 - Reallocation of existing appropriations
 - Grants
- Impact of Request
 - New rates or fees
 - Decrease in one activity to support another activity
 - Effect on fund balance

POLICY 6: Operating Funds Cash Requirement

The District will maintain cash (net of restricted cash) in the Operations Fund of each enterprise equivalent to 25% of the operating budget (and eliminate the requirement for one-year's debt service obligation. This change in policy will increase the potable water reserve balance but should be tempered with a requirement to maintain a working capital reserve for operations and one year's debt service in the sanitation operating fund each year, which would be approximately \$5.2 million.)

An available cash reserve to cover operating shortfalls is a prudent management practice to be used for both short term cash flow and contingency planning for unforeseen situations. Examples Include:

- Unexpected increases in costs or declines in revenues
- Legislative or judicial mandate to provide a new or expanded service or program
- Natural disaster emergencies which exceed the Emergency/Insurance Fund
- One-time Board approved non-capital expenditures or capital need if the IIP fund is inadequate
- Interruptions in billing process to customers

If such unforeseen circumstances occur, staff will present the Board with options for curing the deficiency, including use of this fund.

POLICY 7: Replacement and Major Maintenance Fund by Enterprise (potable water, sanitation, recycled water)

Each of the District's three enterprises will maintain a Replacement Fund for major maintenance, replacement and improvement of facilities and infrastructure not related to growth. The source of funds will be current user fees. Each Replacement Fund will maintain cash levels equal to the most current three-years of actual depreciation expense. If a replacement fund's cash target is exceeded, the Board will consider using the excess for prepayment of outstanding debt, if appropriate.

Prudent stewardship of assets requires that maintenance be performed to postpone or decelerate the aging process. As a general rule, maintenance costs for an item become more expensive as the asset ages. Also, changes in technology could result in replacing an asset with one which provides lower operating expenses or greater revenues or replacement of assets may be required due to changes in regulatory standards.

Major maintenance and replacement are on-going operating costs that should be paid for by user fees. Appropriate cash levels within a Replacement Fund enables the District to pay for planned or unplanned projects in any given year.

The water stand-by charge is levied against developed and undeveloped land and is dedicated to maintenance and replacement of potable water infrastructure and facilities. Recognizing that undeveloped land has added value because of the availability of potable water service, these owners have a vested interest in seeing the system maintained.

POLICY 8: New Construction Fund by Enterprise

The District will pay for expansion or new facilities necessitated by growth from capacity fees collected from new development and maintained in the appropriate enterprise's Construction Fund.

Current ratepayers should not be burdened with costs associated with growth due to new development. The fair share of cost of expansion will be borne by the developers through capacity fees.

The District has a master plan that identifies projected infrastructure and facility needs through build-out and is used as the basis for determining capacity fees. Capacity fees may be pledged for debt service payments, if the need for the expansion occurs before adequate capacity fees can be collected.

Prepaid capacity fees not used are subject to refund with interest, provided the developer has not started his project and the District has not begun construction on the system.

POLICY 9: Internal Service Replacement Fund for Buildings, Vehicles and Equipment

The Internal Service Fund will have revenues (i.e. user charges, interest income and all other income) sufficient to meet operating expenses, maintenance costs, depreciation expense, an inflation factor for other needs not exclusive to one of the three enterprises.

The District uses the internal service fund as an internal accounting and budget mechanism to equitably distribute general operating costs such as for buildings, vehicle and equipment replacement and maintenance costs among District user programs and to assure that adequate funding is on hand to replace or maintain these assets.

POLICY 10: Emergency/Insurance Fund

The District will maintain an Emergency/Insurance Fund to cover claims not covered by insurance, fines and penalties imposed by regulatory agencies and disaster repairs and expenses. The target for this Fund is two percent (2%) of the total value of capital assets, including LVMWD's share of the Joint Power's Authority capital assets. The Board must approve any expenditure from this Fund. Self-insurance retentions will be paid out of operating budgets.

To protect the investment in assets and to ensure continuation of District operations, the District purchases insurance for general liability, property and worker's compensation. The District has the responsibility to pay for deductibles or self-insurance retentions. Also, the District has some risks that may not be economically or actually insured, such as certain types of pollution (odor), flood, and mold. Also, the insurance on District's sewer lines or water lines is limited to the cost of emergency clean-up and does not include the cost of repairing the failure. Because of this potential exposure, the District has established the Emergency/Insurance Fund at two-percent of the value of capital assets less the value of land, which amount will be determined annually after the audit. The Fund can only be used when approved by the Board.

This policy is in line with our experience in having to pay damages that are not covered by insurance and cover expenses that are not reimbursed on a timely basis by FEMA. Like the Rate Stabilization Fund, not having the Emergency/Insurance Fund available in the event of a disaster could significantly impact our cash flow and possibly impact future utility rates during troublesome times.

POLICY 11: Assignment or Commitment of Reserves in Excess of Target Balances

When the operating reserves for an enterprise fund exceed the amounts required by these Financial Policies, the Board may assign or commit the funds in excess of the established reserve balance targets for use by the Pure Water Project.

The Board has a policy favoring pay-as-you-go for capital projects. The District considers cash on hand in excess of the reserve levels established by Policy 6 as available for capital or any one-time project. Additionally, GASB 54 establishes specific designations related to the use of fund balance as follows:

- *Assigned Fund Balance* – The assigned fund balance is a designation by the Board or its authorized designated official specifying an *intended* use of certain funds. These funds are committed for a specific purpose but not necessarily to a specific project or program and its use is not restricted.
- *Committed Fund Balance* – The committed fund balance has stronger restrictions than assigned fund balance in that its use is constrained by the Board and any use of the funds must have explicit approval of the Board, usually in the form of an ordinance or resolution. Committed funds cannot be used for any other purpose without action by the Board.

Funds that are available after the Enterprise has met its requirements for having a cash balance equivalent to 25% of the operating budget and for having funds available for replacement and major maintenance as specified in the annual Infrastructure Investment Plan (reserves equivalent to three years of capital improvement projects) can, at the Board's discretion and upon approval, be assigned or designated for use by the Pure Water Project.



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Las Virgenes Municipal Water District
California**

For the Fiscal Year Beginning

July 1, 2016

Executive Director

Las Virgenes Municipal Water District



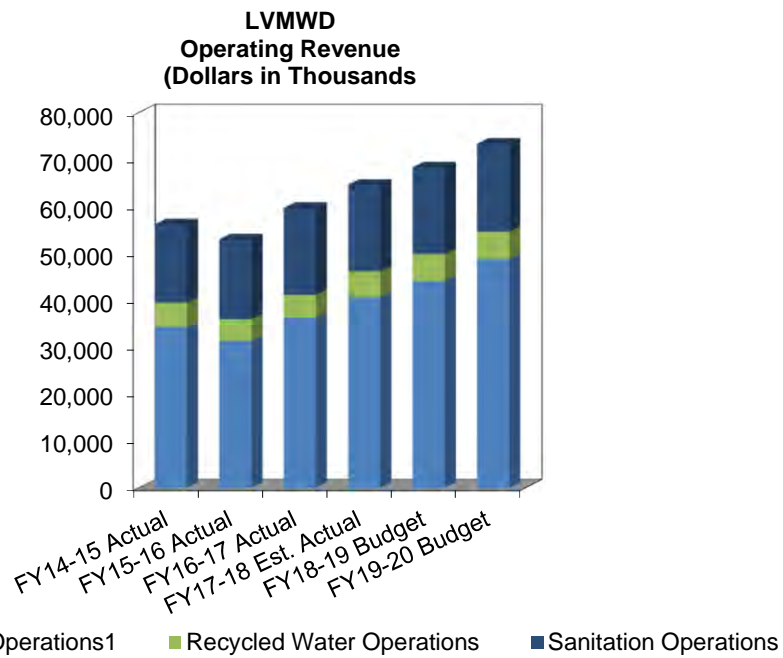
OPERATIONS



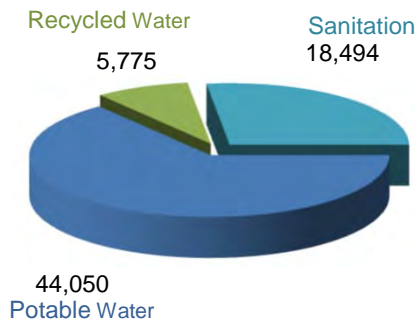
Las Virgenes Municipal Water District
Operating Revenue
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Potable Water Operations¹	34,306	31,302	36,265	40,582	44,050	48,731
Recycled Water Operations	5,147	4,602	4,817	5,547	5,775	5,868
Sanitation Operations	16,726	17,050	18,614	18,476	18,494	18,777
Total Operating Revenue	56,179	52,954	59,696	64,605	68,319	73,376

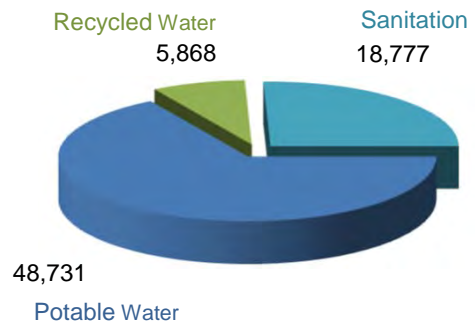
¹ includes Water Conservation Revenue



**LVMWD
FY 2018-19 Operating Revenue
(Dollars in Thousands)**



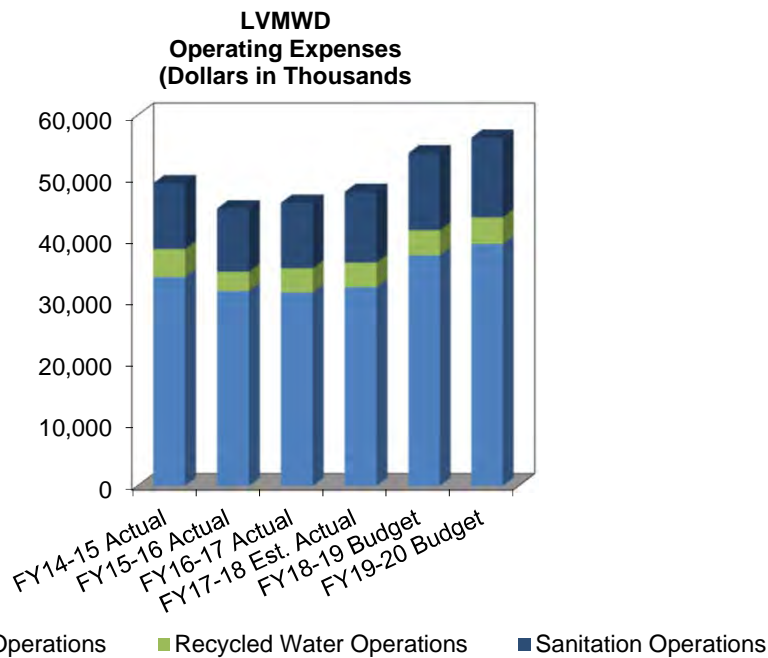
**LVMWD
FY 2019-20 Operating Revenue
(Dollars in Thousands)**



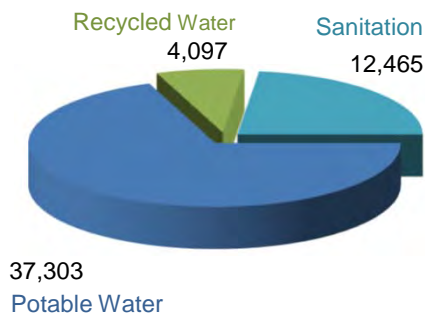
Las Virgenes Municipal Water District
Operating Expenses
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Potable Water Operations	33,800	31,537	31,278	32,169	37,303	39,169
Recycled Water Operations	4,530	3,123	3,944	3,969	4,097	4,317
Sanitation Operations	10,680	10,260	10,614	11,469	12,465	12,887
Total Operating Expenses	49,010	44,920	45,836	47,607	53,865	56,373

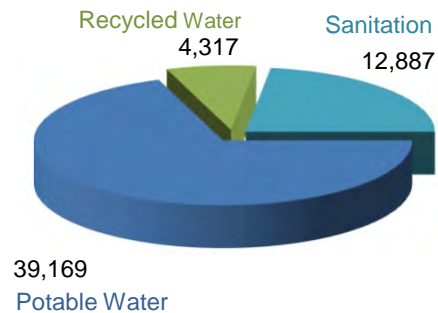
¹ includes Water Conservation Expenses



LVMWD
FY 2018-19 Operating Expenses
(Dollars in Thousands)



LVMWD
FY 2019-20 Operating Expenses
(Dollars in Thousands)



**Las Virgenes Municipal Water District
Summary of All Units**

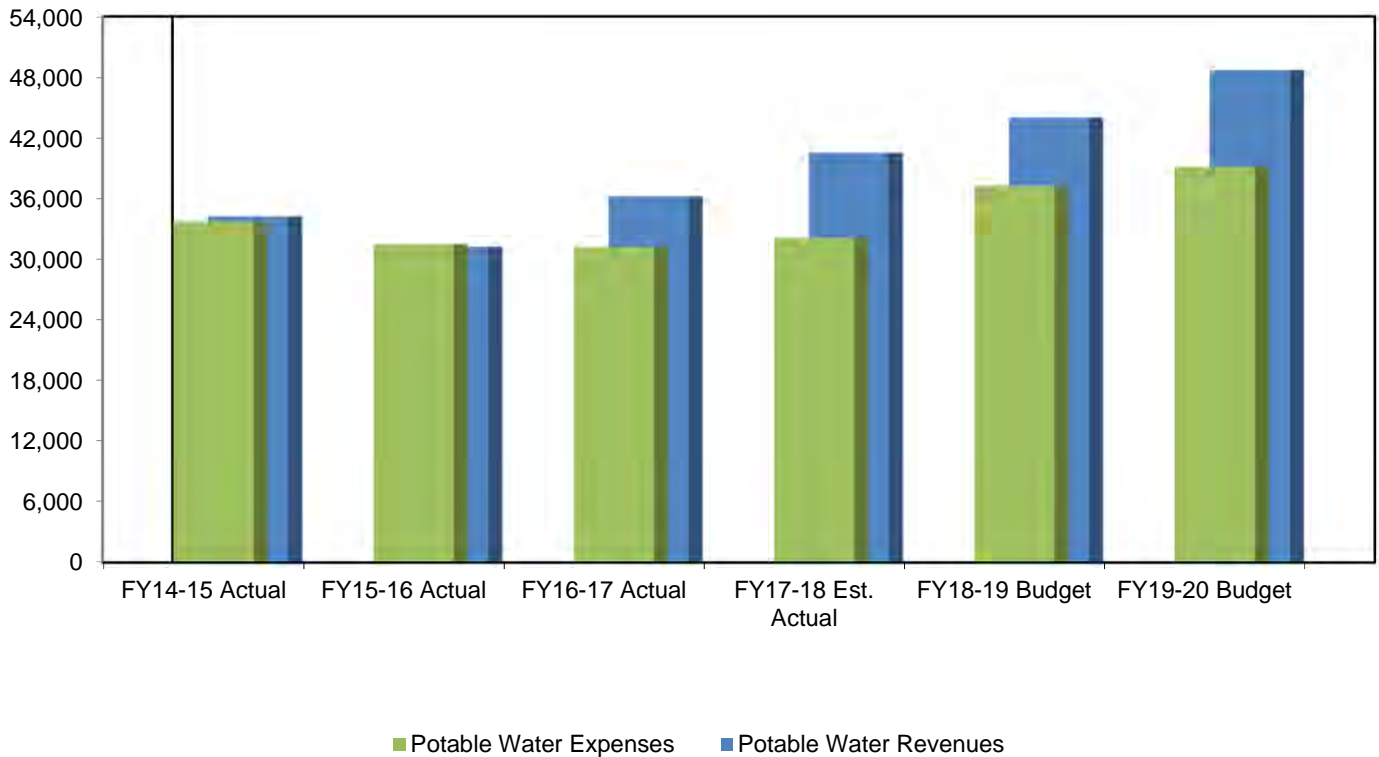
	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4000 Water Sales	\$30,273,051	\$27,798,131	\$32,957,152	\$34,954,724	\$36,609,303	\$42,280,844	\$46,765,745
4151 Conservation Violation Charge	\$2,000	\$19,600	\$0	\$0	\$0	\$0	\$0
4152 Penalty for Unsustainable Wtr Use	\$0	\$172,038	\$1,066,299	\$0	\$2,000,000	\$0	\$0
4155 Temporary Meter Fees	2,800	2,500	2,400	2,600	3,100	3,100	3,100
4160 Late Payment Fees	100,702	122,463	137,499	116,500	173,000	182,000	188,000
4170 Water Usage - Accidents	17,647	36,532	18,491	28,250	28,000	28,600	29,600
4175 PW Supplement to RW	1,347,267	1,125,668	1,876,640	486,956	1,614,760	1,358,800	1,542,080
4176 PW Suppl RW-Prior Yr Adj	1,337,357	0	0	0	0	0	0
4215 RW Sales - Calabasas	605,493	634,920	566,320	752,000	588,000	600,000	612,000
4220 RW Sales - LV Valley	312,673	235,172	198,427	322,000	287,000	293,000	299,000
4225 RW Sales - Calabasas MWD	1,359,377	1,181,117	1,179,349	1,384,000	1,375,000	1,403,000	1,431,000
4230 RW Sales - Western	2,289,610	1,922,053	2,262,085	2,334,000	2,747,000	2,802,000	2,858,000
4260 Sanitation Service Fees	16,463,845	16,779,190	18,338,770	17,679,000	18,225,000	18,239,000	18,522,000
4270 Consol Sewer District Fees	232,170	236,004	236,004	236,004	213,000	215,000	215,000
4400 MWD Conser Credit	1,074,630	1,857,224	19,750	0	0	44,000	44,000
4421 Prop 50 - IRWMP	0	28,147	33,451	0	0	0	0
4505 Other Income from Operations	760,082	803,510	803,221	832,936	741,752	869,993	866,394
TOTAL OPERATING REVENUES	\$56,178,704	\$52,954,269	\$59,695,858	\$59,128,970	\$64,604,915	\$68,319,337	\$73,375,919
SOURCE OF SUPPLY							
5000 Purchased Water - MWD	20,059,835	17,526,309	19,848,993	18,656,387	19,671,916	22,174,747	23,794,209
5054 Draw from Reservoir	838,895	694,872	246,640	1,363,381	282,750	930,792	854,100
5100 Purchased Water - JPA RWTR	1,508,136	1,557,726	1,369,024	1,707,782	1,620,868	1,817,122	1,838,299
5105 Purchased Water - Ventura Co.	268,101	225,201	232,797	323,792	251,666	289,130	308,388
5110 Purchased Water - Simi Dist. #8	52,521	47,001	45,800	71,802	50,000	57,443	61,269
5115 Purchased Water - Potable Suppl	1,210,738	1,125,668	1,842,516	486,956	1,614,760	1,358,800	1,542,080
5116 Purch Water-PW Supp-Prior Yr Adj	1,337,357	0	0	0	0	0	0
5125 Water Supply - LVR Adjustment	26,723	398,591	23,327	159,275	440,111	140,000	157,941
Sub-total	\$25,302,306	\$21,575,368	\$23,609,097	\$22,769,375	\$23,932,071	\$26,768,034	\$28,556,286
PURCHASED SERVICES							
5735 Share of JPA Net Expenses	9,179,325	8,190,286	9,013,414	9,782,763	9,483,035	10,223,055	10,466,855
5740 City of Los Angeles	227,282	473,992	380,730	470,800	447,386	515,200	581,000
Sub-total	\$9,406,607	\$8,664,278	\$9,394,144	\$10,253,563	\$9,930,421	\$10,738,255	\$11,047,855
OPERATING EXPENSES							
5400 Labor	1,272,035	1,246,647	1,344,331	1,440,324	1,274,080	1,484,677	1,522,396
5405.1 Energy	1,145,470	997,211	999,620	1,092,289	1,086,900	1,119,000	1,152,000
5405.2 Telephone	73,905	111,102	86,561	101,887	104,581	106,981	107,397
5405.3 Gas	36,455	11,855	12,777	42,701	21,500	20,500	20,500
5405.4 Water	10,352	10,325	11,816	10,379	10,150	10,052	10,052
5410 Supplies/Material	128,532	239,387	200,255	208,622	199,000	207,000	207,000
5410.10 Hypochlorite	5,749	10,897	5,528	14,083	20,000	15,000	15,000
5410.12 Septum	0	0	0	0	0	0	0
5415 Outside Services	65,577	160,536	91,790	103,366	72,400	143,000	110,000
5417 Odor Control	2,932	2,460	2,280	3,772	2,500	2,575	2,650
5420 Permits and Fees	72,024	77,429	125,292	83,493	88,954	85,500	85,500
5425 Consulting Services	16,870	24,405	0	86,523	59,523	0	0
Sub-total	\$2,829,901	\$2,892,254	\$2,880,250	\$3,187,439	\$2,939,588	\$3,194,285	\$3,232,495
MAINTENANCE EXPENSES							
5500 Labor	691,372	822,591	952,706	1,054,080	913,749	922,033	945,853
5510 Supplies/Material	157,992	186,862	126,892	209,260	138,100	176,000	176,000
5515 Outside Services	576,860	293,983	210,030	349,150	419,000	341,500	341,500
5518 Building Maintenance	28,148	21,104	13,161	22,050	12,000	20,000	20,000
5520 Permits and Fees	36,675	10,973	13,793	22,026	22,000	25,000	25,000
5530 Capital Outlay	0	43,235	0	0	0	39,400	0
Sub-total	\$1,491,047	\$1,378,748	\$1,316,582	\$1,656,566	\$1,504,849	\$1,523,933	\$1,508,353

**Las Virgenes Municipal Water District
Summary of All Units**

	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
INVENTORY EXPENSE							
5536 Inventory Adjustment	0	10,996	0	0	0	0	0
SPECIALTY EXPENSES							
5700 SCADA Services	103,796	91,386	111,784	127,417	123,435	126,335	130,429
5710.2 Technical Services	63,583	93,762	35,771	70,820	38,985	80,868	81,934
5715.2 Other Lab Services	10,541	7,077	7,975	11,064	0	10,900	11,064
5715.3 Tapia Lab Sampling	73,888	68,567	65,592	75,220	68,294	73,955	75,890
5725 Gen Supplies/Small Tools	27,284	28,691	11,992	29,252	2,126	0	0
7202 Allocated Lab Expense	173,246	165,117	186,186	202,623	185,325	214,591	220,352
Sub-total	\$452,338	\$454,600	\$419,300	\$516,396	\$418,165	\$506,649	\$519,669
PUBLIC INFORMATION							
6602 School Education Program	143,449	145,508	174,587	214,514	217,872	232,107	231,915
6604 Public Education Program	252,467	204,037	127,047	233,793	100,109	156,020	155,422
6606 Community Group Outreach	1,169	7,241	1,161	8,164	0	8,200	8,279
6608 Intergovernmental Coordination	776	1,392	3,365	10,469	10,954	8,188	8,269
Sub-total	\$397,861	\$358,178	\$306,160	\$466,940	\$328,935	\$404,515	\$403,885
FIELD CONSERVATION							
6639 Turf Removal Program	1,500,521	1,871,575	755	0	0	0	0
6640 RainBarrel Program	0	3,333	56,594	0	1,676	63,975	64,334
6709 WBIC Irrigation Controller	0	0	0	0	0	493,938	508,836
Sub-total	\$1,500,521	\$1,874,908	\$57,349	\$0	\$1,676	\$557,913	\$573,170
COMMUNITY CONSERVATION EDUCATION							
6742 Demonstration Garden Grant	92	1,434	4,565	16,120	5,898	16,618	16,647
6748 Professional Landscape & Irr Wkshp	0	0	0	0	0	0	0
6749 Residential Customer Training	24,574	24,341	12,154	39,161	9,217	27,640	36,037
Sub-total	\$24,666	\$25,775	\$16,719	\$55,281	\$15,115	\$44,258	\$52,684
RESOURCE CONSERVATION							
6785 Watershed Programs	34,114	8,822	13,164	39,115	30,049	43,565	49,068
6790 Back Flow Protection	80,374	62,969	26,412	210,393	53,620	174,541	175,451
Sub-total	\$114,488	\$71,791	\$39,576	\$249,508	\$83,669	\$218,106	\$224,519
ADMINISTRATIVE EXPENSES							
6260 Rental Charge - Facility Repl	294,159	311,874	321,341	319,596	302,000	290,357	290,357
6516 Other Professional Services	27,581	39,489	3,547	0	42,339	0	325,000
7135.1 Property Insurance	30,146	39,008	31,115	65,038	69,743	71,836	73,991
7135.4 Earthquake Insurance	49,018	48,505	49,969	103,944	111,407	114,749	118,192
7145 Claims Paid	66,018	11,133	19,953	0	7,000	0	0
7155 Other Expense	(2,805)	(3,944)	3,170	0	0	0	0
7203 Allocated Building Maint	88,082	95,945	83,651	97,011	93,484	107,102	88,805
7205 Allocated Legal	32,073	38,109	14,159	50,000	0	0	0
7209 Allocated Rental Property Exp	(3,021)	0	0	0	0	0	0
7225 Allocated Support Services	2,119,858	1,678,403	1,936,098	2,374,793	1,918,444	2,322,384	2,320,385
7226 Allocated Operations Services	4,789,447	5,355,630	5,333,194	6,386,175	5,908,136	7,002,829	7,038,692
Sub-total	\$7,490,556	\$7,614,152	\$7,796,197	\$9,396,557	\$8,452,553	\$9,909,257	\$10,255,422
TOTAL OPERATING EXPENSES	\$49,010,291	\$44,921,048	\$45,835,374	\$48,551,625	\$47,607,042	\$53,865,204	\$56,374,339
NET OPERATING INCOME (LOSS)	\$7,168,413	\$8,033,221	\$13,860,484	\$10,577,345	\$16,997,873	\$14,454,133	\$17,001,580

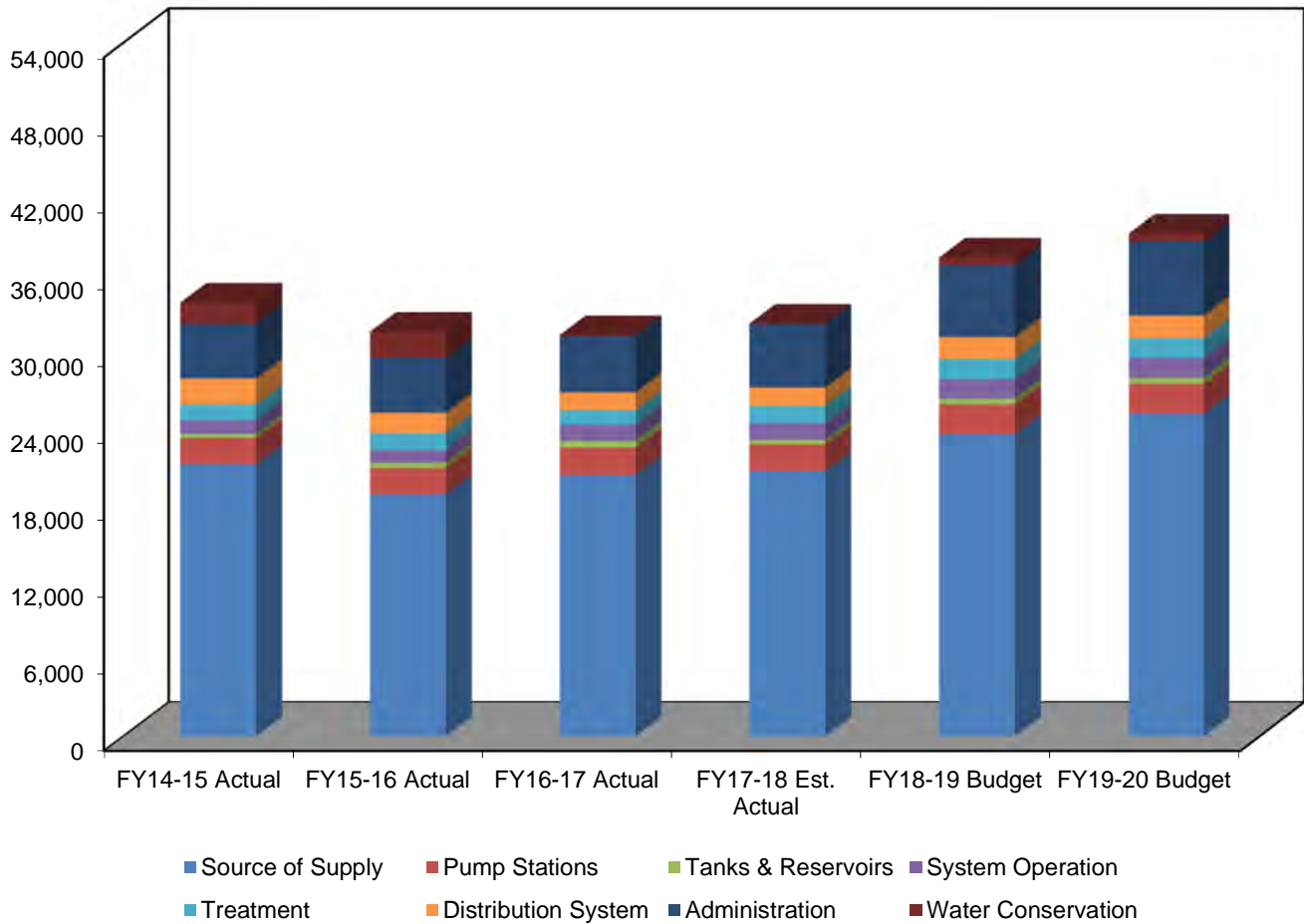
Las Virgenes Municipal Water District
Potable Water Operations Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Potable Water Revenues	34,306	31,302	36,265	40,582	44,050	48,731
Potable Water Expenses	33,800	31,537	31,278	32,169	37,303	39,169
Net Operating Income	506	(235)	4,987	8,413	6,747	9,562



Las Virgenes Municipal Water District
Potable Water 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
Source of Supply	21,246	18,892	20,398	20,696	23,592	25,176
Pump Stations	2,017	2,049	2,145	2,057	2,296	2,315
Tanks & Reservoirs	324	404	501	372	460	470
System Operation	1,069	1,013	1,278	1,314	1,501	1,536
Treatment	1,226	1,301	1,102	1,353	1,574	1,569
Distribution System	2,008	1,577	1,396	1,419	1,707	1,735
Administration	4,255	4,283	4,374	4,924	5,575	5,754
	32,145	29,519	31,194	32,135	36,705	38,555
Water Conservation	1,655	2,018	84	34	598	614
Total Potable Water	33,800	31,537	31,278	32,169	37,303	39,169



**Las Virgenes Municipal Water District
Potable Water Summary**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4000 Water Sales	\$30,273,051	\$27,798,131	\$32,957,152	\$34,952,924	\$36,609,303	\$42,279,044	\$46,763,945
4151 Conservation Violation Charge	2,000	19,600	0	0	0	0	0
4152 Penalty for Unsustainable Wtr Use	0	172,038	1,066,299	0	2,000,000	0	0
4155 Temporary Meter Fees	2,750	2,500	2,400	2,500	3,000	3,000	3,000
4160 Late Payment Fees	68,145	77,965	91,598	75,000	127,000	132,000	138,000
4170 Water Usage - Accidents	17,647	36,451	18,491	28,150	28,000	28,500	29,500
4175 PW Supplement to RW	1,347,267	1,125,668	1,876,640	486,956	1,614,760	1,358,800	1,542,080
4176 PW Suppl RW-Prior Yr Adj	1,337,357	0	0	0	0	0	0
4400 MWD Conser Credit	1,074,630	1,857,224	19,750	0	0	44,000	44,000
4421 Prop 50 - IRWMP	0	28,147	33,451	0	0	0	0
4505 Other Income from Operations	183,167	184,428	199,467	185,000	200,000	205,000	210,000
TOTAL OPERATING REVENUES	\$34,306,014	\$31,302,152	\$36,265,248	\$35,730,530	\$40,582,063	\$44,050,344	\$48,730,525
SOURCE OF SUPPLY							
5000 Purchased Water - MWD	20,059,835	17,526,309	19,848,993	18,656,387	19,671,916	22,174,747	23,794,209
5054 Draw from Reservoir	838,895	694,872	246,640	1,363,381	282,750	930,792	854,100
5105 Purchased Water - Ventura Co.	268,101	225,201	232,797	323,792	251,666	289,130	308,388
5110 Purchased Water - Simi Dist. #8	52,521	47,001	45,800	71,802	50,000	57,443	61,269
5125 Water Supply - LVR Adjustment	26,723	398,591	23,327	159,275	440,111	140,000	157,941
Sub-total	\$21,246,075	\$18,891,974	\$20,397,557	\$20,574,637	\$20,696,443	\$23,592,112	\$25,175,907
OPERATING EXPENSES							
5400 Labor	1,164,430	1,125,733	1,186,872	1,231,487	1,130,360	1,331,087	1,364,776
5405.1 Energy	1,045,298	919,775	923,493	1,000,689	1,000,500	1,030,500	1,060,500
5405.2 Telephone	55,021	80,060	68,369	79,487	73,765	77,784	77,762
5405.3 Gas	36,455	11,855	12,777	42,701	21,500	20,500	20,500
5405.4 Water	9,800	9,531	11,036	9,587	9,350	9,252	9,252
5410 Supplies/Material	128,406	239,387	200,255	208,622	199,000	207,000	207,000
5410.10 Hypochlorite	5,749	10,897	5,528	14,083	20,000	15,000	15,000
5415 Outside Services	65,577	160,536	91,790	103,366	72,400	143,000	110,000
5420 Permits and Fees	65,528	67,376	106,471	72,446	71,518	67,500	67,500
5425 Consulting Services	16,870	24,405	0	86,523	59,523	0	0
Sub-total	\$2,593,134	\$2,649,555	\$2,606,591	\$2,848,991	\$2,657,916	\$2,901,623	\$2,932,290
MAINTENANCE EXPENSES							
5500 Labor	631,380	758,526	905,204	950,408	863,215	859,533	881,753
5510 Supplies/Material	149,754	143,609	122,284	176,260	133,500	164,500	164,500
5515 Outside Services	538,555	256,650	177,667	314,550	385,000	306,500	306,500
5518 Building Maintenance	28,148	21,104	13,161	22,050	12,000	20,000	20,000
5520 Permits and Fees	36,675	10,973	13,793	22,026	22,000	25,000	25,000
5530 Capital Outlay	0	43,235	0	0	0	33,000	0
Sub-total	\$1,384,512	\$1,234,097	\$1,232,109	\$1,485,294	\$1,415,715	\$1,408,533	\$1,397,753
INVENTORY EXPENSE							
5536 Inventory Adjustment	0	10,996	0	0	0	0	0
SPECIALTY EXPENSES							
5700 SCADA Services	99,979	89,478	110,966	117,816	116,634	120,066	124,048
5710.2 Technical Services	61,737	93,762	35,771	70,708	38,985	80,868	81,934
5715.2 Other Lab Services	10,541	7,077	7,975	11,064	0	10,900	11,064
5715.3 Tapia Lab Sampling	73,888	68,567	65,592	75,220	68,294	73,955	75,890
5725 Gen Supplies/Small Tools	27,284	28,691	11,992	29,252	2,126	0	0
7202 Allocated Lab Expense	173,246	165,117	186,186	202,623	185,325	214,591	220,352
Sub-total	\$446,675	\$452,692	\$418,482	\$506,683	\$411,364	\$500,380	\$513,288

**Las Virgenes Municipal Water District
Potable Water 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
PUBLIC INFORMATION							
6602 School Education Program	143,449	145,508	174,587	214,514	217,872	232,107	231,915
6604 Public Education Program	252,467	204,037	127,047	233,793	100,109	156,020	155,422
6606 Community Group Outreach	1,169	7,241	1,161	8,164	0	8,200	8,279
6608 Intergovernmental Coordination	776	1,392	3,365	10,469	10,954	8,188	8,269
Sub-total	\$397,861	\$358,178	\$306,160	\$466,940	\$328,935	\$404,515	\$403,885
FIELD CONSERVATION							
6639 Turf Removal Program	1,500,521	1,871,575	755	0	0	0	0
6640 RainBarrel Program	0	3,333	56,594	0	1,676	63,975	64,334
6709 WBIC Irrigation Controller	0	0	0	0	0	493,938	508,836
Sub-total	\$1,500,521	\$1,874,908	\$57,349	\$0	\$1,676	\$557,913	\$573,170
COMMUNITY CONSERVATION EDUCATION							
6742 Demonstration Garden Grant	92	1,434	4,565	16,120	5,898	16,618	16,647
6749 Residential Customer Training	24,574	24,341	12,154	39,161	9,217	27,640	36,037
Sub-total	\$24,666	\$25,775	\$16,719	\$55,281	\$15,115	\$44,258	\$52,684
RESOURCE CONSERVATION							
6785 Watershed Programs	34,114	8,822	13,164	39,115	30,049	43,565	49,068
6790 Back Flow Protection	73,459	50,321	25,352	157,437	41,620	134,353	135,258
Sub-total	\$107,573	\$59,143	\$38,516	\$196,552	\$71,669	\$177,918	\$184,326
ADMINISTRATIVE EXPENSES							
6260 Rental Charge - Facility Repl	252,385	267,772	273,933	274,016	257,557	255,389	255,375
6516 Other Professional Services	27,581	39,489	3,547	0	42,339	0	221,625
7135.1 Property Insurance	30,146	39,008	31,115	65,038	69,743	71,836	73,991
7135.4 Earthquake Insurance	49,018	48,505	49,969	103,944	111,407	114,749	118,192
7145 Claims Paid	66,018	11,133	19,953	0	7,000	0	0
7155 Other Expense	(2,805)	(3,944)	3,170	0	0	0	0
7203 Allocated Building Maint	88,082	95,945	83,651	97,011	93,484	107,102	88,805
7205 Allocated Legal	32,073	38,109	9,709	50,000	0	0	0
7209 Allocated Rental Property Exp	(3,021)	0	0	0	0	0	0
7225 Allocated Support Services	1,742,061	1,326,732	1,522,985	1,876,159	1,479,189	1,801,734	1,807,783
7226 Allocated Operations Services	3,817,730	4,117,379	4,206,635	5,049,757	4,509,923	5,365,058	5,370,164
Sub-total	\$6,099,268	\$5,980,128	\$6,204,667	\$7,515,925	\$6,570,643	\$7,715,868	\$7,935,935
TOTAL OPERATING EXPENSES	\$33,800,285	\$31,537,446	\$31,278,150	\$33,650,303	\$32,169,476	\$37,303,120	\$39,169,238
NET OPERATING INCOME (LOSS)	\$505,729	(\$235,294)	\$4,987,098	\$2,080,227	\$8,412,587	\$6,747,224	\$9,561,287

Las Virgenes Municipal Water District

FY 2017-18 Potable Water Sales & Revenues - Estimated

July - Dec.					Jan.-June				Total
Tier	Block Rate	Actual Sales (Hcf)	Zone surcharges	Calculated Revs (incd Zones)	Block Rate	Estimated Sales (Hcf)	Zone surcharges	Calculated Revs (incd Zones)	Calculated Revs (incd Zones)
Residential Single-family Dwelling Customers									
1	\$2.46	742,005	\$0	\$1,825,332	\$2.59	709,089	\$0	\$1,836,541	
2	\$3.24	2,115,122	\$0	\$6,852,995	\$3.32	1,193,417	\$0	\$3,962,144	
3	\$4.00	632,645	\$0	\$2,530,580	\$4.06	281,458	\$0	\$1,142,719	
4	\$5.02	481,663	\$0	\$2,417,948	\$5.08	181,356	\$0	\$921,288	
Subtotal Commodity		3,971,435	\$1,034,510	\$13,626,856	2,365,320		\$646,944	\$7,862,693	\$21,489,549
Base Meter Service Charges				\$2,598,463				\$3,040,202	\$5,638,665
Total Revenues				\$17,259,829				\$11,549,838	\$28,809,667
Commercial Customers									
1	\$2.46	137,356	\$0	\$337,896	\$2.59	116,804	\$0	\$302,522	
2	\$3.24	226,039	\$0	\$732,366	\$3.32	180,168	\$0	\$598,158	
3	\$4.00	59,027	\$0	\$236,108	\$4.06	45,760	\$0	\$185,786	
4	\$5.02	28,198	\$0	\$141,554	\$5.08	13,227	\$0	\$67,193	
Subtotal Commodity		450,620	\$84,108	\$1,447,924	355,959		\$69,762	\$1,153,659	\$2,601,583
Base Meter Service Charges				\$492,977				\$576,783	\$1,069,760
Total Revenues				\$2,025,009				\$1,800,204	\$3,825,213
Multi-family Dwelling Customers (a)									
1	\$2.46	228,021	\$0	\$560,932	\$2.59	216,037	\$0	\$559,536	
2	\$3.24	33,985	\$0	\$110,111	\$3.32	16,187	\$0	\$53,741	
3	\$4.00	15,957	\$0	\$63,828	\$4.06	9,179	\$0	\$37,267	
4	\$5.02	8,128	\$0	\$40,803	\$5.08	3,484	\$0	\$17,699	
Subtotal Commodity		286,091	\$41,539	\$775,674	244,887		\$37,334	\$668,242	\$1,443,916
Base Meter Service Charges				\$301,114				\$352,303	\$653,417
Total Revenues				\$1,118,327				\$1,057,880	\$2,176,206
Irrigation Customers									
1	\$2.46	130,848	\$0	\$321,886	\$2.59	62,843	\$0	\$162,763	
2	\$3.24	23,522	\$0	\$76,211	\$3.32	10,399	\$0	\$34,525	
3	\$4.00	29,220	\$0	\$116,880	\$4.06	9,954	\$0	\$40,413	
4	\$5.02	0	\$0	\$0	\$5.08	0	\$0	\$0	
Subtotal Commodity		183,590	\$36,537	\$514,977	83,196		\$17,385	\$237,701	\$752,679
Base Meter Service Charges				\$71,185				\$83,286	\$154,471
Total Revenues				\$622,699				\$338,373	\$961,072
Temporary Customers									
1	\$7.53	0	\$0	\$0	\$7.62	0	\$0	\$0	
2	\$7.53	0	\$0	\$0	\$7.62	0	\$0	\$0	
3	\$7.53	0	\$0	\$0	\$7.62	0	\$0	\$0	
4	\$7.53	59,912	\$0	\$451,137	\$7.62	14,864	\$0	\$113,264	
Subtotal Commodity		59,912	\$37,418	\$451,137	14,864		\$9,747	\$113,264	\$564,401
Base Meter Charges				\$103,953				\$121,625	\$225,578
Total Temporary Charges				\$592,508				\$244,636	\$837,145
Total Potable Customers									
1	\$2.46	1,238,230	\$0	\$3,046,046	\$2.59	1,104,773	\$0	\$2,861,362	
2	\$3.24	2,398,668	\$0	\$7,771,684	\$3.32	1,400,171	\$0	\$4,648,568	
3	\$4.00	736,849	\$0	\$2,947,396	\$4.06	346,351	\$0	\$1,406,185	
4	\$5.02	577,901	\$0	\$3,051,442	\$5.08	212,931	\$0	\$1,119,444	
Total Potable Water		4,951,648	\$1,234,112	\$16,816,568	3,064,226		\$781,172	\$10,035,559	\$26,852,127
Base Meter Charges				\$3,567,692				\$4,174,200	\$7,741,892
Grand Total Water Charges				\$21,618,372				\$14,990,930	\$36,609,303
11,367					7,034				18,402
Estimated Sales - FY 2018-19					18,917 AF				\$37,634,363
Estimated Revenue Adj from Rate Study									\$1,693,546
MWD Water Cost Passthru									\$2,951,135
Estimated Water Revenue FY 2018-19									\$42,279,044
Estimated Sales - FY 2019-20					19,447 AF				\$38,688,125
Estimated Revenue Adj from Rate Study									\$3,510,722
MWD Water Cost Passthru									\$4,565,098
Estimated Water Revenue FY 2019-20									\$46,763,945

Las Virgenes Municipal Water District

Potable Water Demands & MWD Supply Costs

Description	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Water Customer Demands & Supply Requirements						
Customer Metered Sales (AF/Year)	19,163	16,607	16,553	18,402	18,917	19,447
Estimated Unbilled Water	4.3%	3.3%	9.7%	5.8%	6.3%	7.3%
Subtotal Water Supply Needs	19,988	17,153	18,162	19,464	20,101	20,857
Recycled Water System Supplemer	879	512	1,045	1,022	860	976
Plus Tank Inventories	9	8	(3)	0	0	0
Plus LV Reservoir Filling	2,465	573	771	555	1,000	900
Less LV Reservoir Draw	(1,145)	(867)	(294)	(322)	(1,000)	(900)
Less Non-MWD Supplies (a)	(134)	(106)	(116)	(119)	(114)	(116)
MWD Purchases (AF)	22,062	17,273	19,565	20,600	20,848	21,717
MWD Water Purchase Units						
Tier 1 Annual Limit (Calendar Year)	20,699	24,358	24,358	24,358	24,358	24,358
Water Supply (AF per year)	22,062	17,273	19,565	20,600	20,848	21,717
Tier 1	18,714	17,273	19,565	20,600	20,848	21,717
Tier 2	3,348	0	0	0	0	0
MWD Unit Rates (\$/AF) - Annualized Weighted Average						
System Access Rate (SAR)	\$249	\$258	\$271	\$293	\$310	\$334
Water Stewardship	\$41	\$41	\$45	\$53	\$61	\$67
System Power	\$145	\$131	\$132	\$127	\$130	\$131
Water Transfer/Delta Surcharge	\$0	\$0	\$0	\$0	\$0	\$0
Treatment Surcharge	\$317	\$344	\$334	\$316	\$320	\$321
Total Unit Rate	\$752	\$773	\$783	\$789	\$820	\$853
Tier 1 Supply Rate (\$/AF)	\$153	\$157	\$174	\$204	\$209	\$209
Tier 2 Supply Rate (\$/AF)	\$290	\$290	\$292	\$295	\$295	\$295
Cap Reserv Charge (CRC, \$/cfs)	\$9,850	\$11,000	\$9,450	\$8,350	\$8,017	\$7,417
MWD Supply Charges						
Variable Charges	\$20,437,101	\$16,030,241	\$18,740,994	\$18,420,290	\$21,452,359	\$23,045,806
Treated Water Fixed Charge	\$0	\$0	\$0	\$0	\$0	\$0
Capacity Reservation Charge	\$429,640	\$492,115	\$435,645	\$384,935	\$369,584	\$341,924
Readiness to Serve Charge	\$1,664,894	\$1,620,367	\$1,485,062	\$1,391,928	\$1,381,805	\$1,361,559
Total MWD Charges	\$22,531,635	\$18,142,723	\$20,661,701	\$20,197,153	\$23,203,747	\$24,749,289
Reservoir Filling	(2,471,800)	(\$616,414)	(\$812,708)	(\$551,337)	(\$1,029,000)	(\$955,080)
Reservoir Draw (\$/AF)	\$733	\$801	\$839	\$878	\$931	\$949
Reservoir Draw	838,895	694,872	246,640	282,750	930,792	854,100
Ventura Co Water Works	268,101	225,201	232,797	251,666	289,130	308,388
City of Simi Valley	52,521	47,001	45,801	50,000	57,443	61,269
Net Purchased Expense	21,219,352	18,493,383	20,374,231	20,230,232	23,452,112	25,017,966
Reservoir Adjustment	\$26,723	\$398,591	\$23,327	\$440,111	\$140,000	\$157,941
Total Cost of Water	\$21,246,075	\$18,891,974	\$20,397,558	\$20,670,343	\$23,592,112	\$25,175,907
Cost of Water Purchased (\$/AF)	\$957	\$1,087	\$1,036	\$998	\$1,126	\$1,153
Full Cost of Water (\$/AF)	\$1,691	\$1,839	\$1,722	\$1,658	\$1,844	\$1,878
RW System Supplement Rate (\$/AF)	\$1,533	\$2,199	\$1,796	\$1,580	\$1,580	\$1,580

POTABLE WATER

Revenues – 101000

LINE ITEM EXPLANATIONS

4000 Water Sales – Revenues derived from potable water sales to customers. Potable water sales provide resources to fund the operation and maintenance of the water system and the replacement of infrastructure and other capital assets.

Potable Water sales are normally projected using the past three years' average demand. The 2015 rate study projected annual increases of 2.8% for each of the next 2 years.

	<u>FY17-18 Budget</u>	<u>FY17-18 Est. Actual</u>	<u>FY18-19 Budget</u>	<u>FY19-20 Budget</u>
Acre Feet Billed	17,298	18,402	18,917	19,447
4151 Conservation Violation Charge – Charges for violation of Water restriction measures under Emergency Ordinance 274.				
4152 Penalty for Unsustainable Water Use – Penalties collected from customers for usage exceeding twice the customer's established water budget. For budgeting purposes, it is assumed that there will be no penalties.				
4175 PW Supplement to RW – Revenue for potable water used to supplement the recycled water system during peak demand periods. Prior Year Adjustment in FY 14-15 corrects an internal billing error.				
4505 Other Income from Operations – Revenues derived from miscellaneous fees and charges. Also includes rental revenue from cell sites.				

Source of Supply – 101000

LINE ITEM EXPLANATIONS

5000 Purchased Water - MWD – Funds to cover all costs to purchase water from Metropolitan Water District. Budgeted costs include 3.4% average rate increase effective January 1, 2019 and 3.4% average rate increase effective January 1, 2020. Volume of purchased water is estimated to increase from 20,600 AF in FY17-18 to 20,848 AF in FY18-19. In FY19-20 volume of purchased water is expected to increase to 21,717 AF.

5054 Purchased Water - LVR – Funds to purchase water for use in the distribution system from Las Virgenes Reservoir during peak usage months (July - September and May - June).

5105 Purchased Water - Ventura Co. Water Works District – Funds to purchase water from Ventura County to serve district customers in the Woolsey Canyon area of Chatsworth.

	<u>FY17-18 Budget</u>	<u>FY17-18 Est. Actual</u>	<u>FY18-19 Budget</u>	<u>FY19-20 Budget</u>
Acre Feet Purchased-Ventura	112	103	98	100

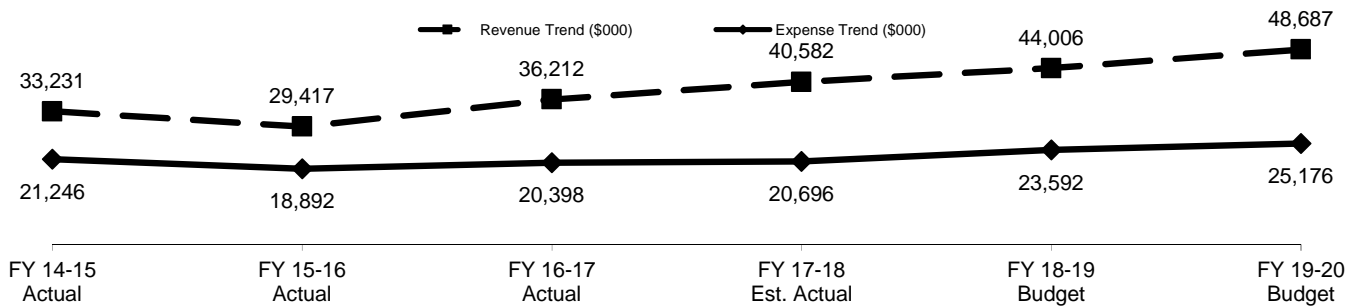
5110 Purchased Water - City of Simi – Funds to purchase water from Ventura County to serve a portion of district customers in the Box Canyon area of Chatsworth.

	<u>FY17-18 Budget</u>	<u>FY17-18 Est. Actual</u>	<u>FY18-19 Budget</u>	<u>FY19-20 Budget</u>
Acre Feet Purchased-Simi	18	16	16	16

5125 Storage Adjustment – The difference between the cost of evaporative loss at Las Virgenes Reservoir and the gain from rainfall or runoff from the watershed. As all the water in the Reservoir is considered inventory and cost is based on average cost per acre-foot, it is necessary to provide a value for inventory lost through evaporation or gained through rainfall.

Las Virgenes Municipal Water District
Potable Water
Operating Revenues/Source of Supply - 101000

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4000 Water Sales	\$30,273,051	\$27,798,131	\$32,957,152	\$34,952,924	\$36,609,303	\$42,279,044	\$46,763,945
4151 Conservation Violation Charge	2,000	19,600	0	0	0	0	0
4152 Penalty for Unsustainable Wtr Use	0	172,038	1,066,299	0	2,000,000	0	0
4155 Temporary Meter Fees	2,750	2,500	2,400	2,500	3,000	3,000	3,000
4160 Late Payment Fees	68,145	77,965	91,598	75,000	127,000	132,000	138,000
4170 Water Usage - Accidents	17,647	36,451	18,491	28,150	28,000	28,500	29,500
4175 PW Supplement to RW	1,347,267	1,125,668	1,876,640	486,956	1,614,760	1,358,800	1,542,080
4176 PW Suppl RW-Prior Yr Adj	1,337,357	0	0	0	0	0	0
4505 Other Income from Operations	183,167	184,428	199,467	185,000	200,000	205,000	210,000
TOTAL OPERATING REVENUES	\$33,231,384	\$29,416,781	\$36,212,047	\$35,730,530	\$40,582,063	\$44,006,344	\$48,686,525
SOURCE OF SUPPLY							
5000 Purchased Water - MWD	20,059,835	17,526,309	19,848,993	18,656,387	19,671,916	22,174,747	23,794,209
5054 Draw from Reservoir	838,895	694,872	246,640	1,363,381	282,750	930,792	854,100
5105 Purchased Water - Ventura Co.	268,101	225,201	232,797	323,792	251,666	289,130	308,388
5110 Purchased Water - Simi Dist. #8	52,521	47,001	45,800	71,802	50,000	57,443	61,269
5125 Water Supply - LVR Adjustment	26,723	398,591	23,327	159,275	440,111	140,000	157,941
TOTAL OPERATING EXPENSES	\$21,246,075	\$18,891,974	\$20,397,557	\$20,574,637	\$20,696,443	\$23,592,112	\$25,175,907



POTABLE WATER

Pump Stations – 101100

FUNCTION

To supply adequate water and pressure throughout the potable water distribution system, to provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to ensure pump stations and pressure reducing stations are operated and maintained safely and efficiently, and to preserve district assets.

SIGNIFICANT CHANGES

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

OPERATING DIVISION EXPENSE LINE ITEM EXPLANATIONS

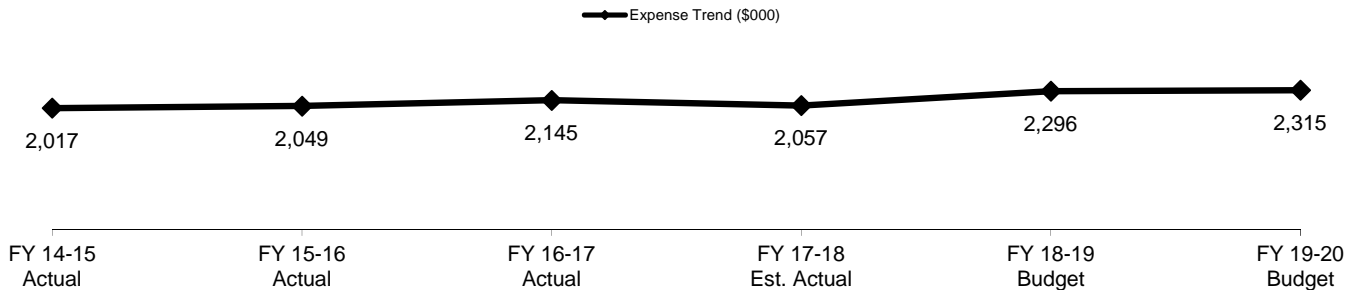
- 5400 Labor – Primarily labor hours worked at pump stations and pressure reducing stations by Water Production and Treatment Section personnel to test, adjust, and operate equipment, address repairs and aesthetic issues, and perform preventive maintenance tasks.
- 5405.1 Energy – There are twenty-four (24) unique SCE service accounts rolled up into this business unit.
- 5405.3 Gas – Gas expenses primarily for natural gas powered pump at Cornell pump station. Gas is used during maintenance activities and to reduce electrical usage during peak demand periods.
- 5410 Supplies/Materials – Funds to purchase materials and supplies for preventive maintenance, repair or replacement of pump control valves, pressure reducing and pressure relief valves and appurtenances for more than 60 pump and pressure reducing stations.
- 5415 Outside Services – Funds miscellaneous work including graffiti removal, welding, coring, and similar tasks hired out on an “as needed” basis. In FY18-19 additional funds are requested to paint several pump stations.
- 5420 Permits/Fees – Funds to pay SCAQMD permits for the potable water system.

MAINTENANCE DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked at potable pump stations by Maintenance Section personnel to provide maintenance. Labor hours to assist with major maintenance items at potable pressure reducing stations are also charged here.
- 5510 Supplies/Materials – Funds to purchase supplies and materials needed to maintain the pump stations.
- 5515 Outside Services – Funds to hire maintenance providers required to assist in maintaining the pump stations, including HVAC, landscaping and outside mechanical services. Annual air emissions test fees for natural gas engines at Conduit, Cornell, and JBR pump stations and the annual emissions report required by AQMD at Cornell pump station. In FY17-18 a pump at Twin Lakes was repaired (\$15K) and a motor at Cornell rebuilt (\$8K).

**Las Virgenes Municipal Water District
Potable Water
Pump Stations - 101100**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$264,878	\$277,291	\$285,823	\$314,694	\$248,784	\$326,189	\$334,494
5405.1 Energy	984,616	836,395	860,525	917,096	900,000	927,000	955,000
5405.2 Telephone	31,273	38,964	37,284	36,150	31,000	35,000	35,000
5405.3 Gas	17,980	978	12,257	15,600	20,000	20,000	20,000
5405.4 Water	279	314	391	284	250	250	250
5410 Supplies/Material	78,136	103,611	143,586	75,500	70,000	70,000	70,000
5415 Outside Services	13,573	7,218	8,692	18,270	10,000	43,000	10,000
5420 Permits and Fees	2,104	2,006	3,012	2,566	2,500	2,500	2,500
5425 Consulting Services	13,465	0	0	0	0	0	0
Sub-total	\$1,406,304	\$1,266,777	\$1,351,570	\$1,380,160	\$1,282,534	\$1,423,939	\$1,427,244
MAINTENANCE EXPENSES							
5500 Labor	102,598	178,557	223,094	231,270	203,935	199,328	204,540
5510 Supplies/Material	33,797	14,079	28,462	29,435	35,000	30,000	30,000
5515 Outside Services	38,231	31,831	15,162	25,375	50,000	30,000	30,000
Sub-total	\$174,626	\$224,467	\$266,718	\$286,080	\$288,935	\$259,328	\$264,540
SPECIALTY EXPENSES							
5710.2 Technical Services	923	0	0	0	1,452	510	517
Sub-total	\$923	\$0	\$0	\$0	\$1,452	\$510	\$517
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	237,962	197,195	256,725	327,922	256,384	318,236	324,486
7226 Allocated Operations Services	197,292	360,397	270,226	262,877	227,295	293,998	298,337
Sub-total	\$435,254	\$557,592	\$526,951	\$590,799	\$483,679	\$612,235	\$622,822
TOTAL OPERATING EXPENSES	\$2,017,107	\$2,048,836	\$2,145,239	\$2,257,039	\$2,056,600	\$2,296,012	\$2,315,123



POTABLE WATER

Tanks & Reservoirs – 101200

FUNCTION

To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs on a timely basis to ensure the tanks and reservoir are operated safely, efficiently, and cost effectively to protect water quality, provide adequate storage for daily and emergency use and ensure fire protection throughout the potable water distribution system.

SIGNIFICANT CHANGES

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

OPERATING DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by Water Production and Treatment personnel to perform operational tasks, do preventive maintenance work, and address minor repair or aesthetic issues at the tank sites.
- 5405 Utilities – Funds in sub-accounts pay for electrical energy, telephone, and water.
- 5410 Supplies/Materials – Funds for materials and supplies used in performance of preventive maintenance tasks or minor repairs at potable storage tank, including anodes for cathodic protection.
- 5415 Outside Services – Funds used to hire outside services to inspect and clean potable water storage tanks to preserve water quality. Dirt road maintenance, asphalt repairs, weed abatement, tree trimming and landscape maintenance are also budgeted in this account.

MAINTENANCE DIVISION EXPENSE LINE ITEM EXPLANATIONS

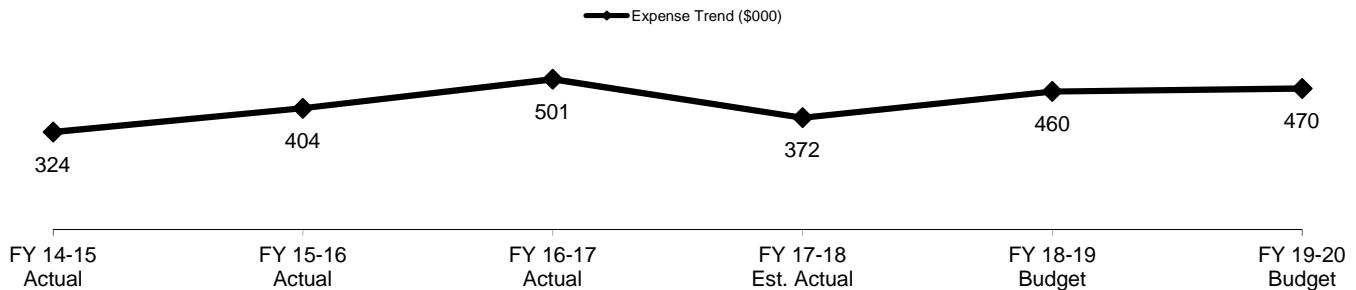
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to perform maintenance tasks, including road cleaning, at potable storage tank sites.
- 5510 Supplies/Materials – Funds to purchase supplies and materials needed to maintain the tanks and reservoirs.
- 5515 Outside Services – Pest control and landscape services at tank.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

- 5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for assistance in operating or maintaining tanks/reservoirs would be accumulated in this account.

Las Virgenes Municipal Water District
Potable Water
Tanks and Reservoirs - 101200

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$134,472	\$125,071	\$139,132	\$143,432	\$120,959	\$154,427	\$158,359
5405.1 Energy	3,098	2,982	3,139	3,235	3,000	3,000	3,000
5405.2 Telephone	384	397	397	401	400	400	400
5405.4 Water	2,142	1,698	2,407	2,233	2,600	2,500	2,500
5410 Supplies/Material	1,767	4,420	1,234	5,582	10,000	10,000	10,000
5415 Outside Services	20,814	43,457	48,310	39,000	10,000	40,000	40,000
5420 Permits and Fees	17	17	49	17	18	0	0
Sub-total	\$162,694	\$178,042	\$194,668	\$193,900	\$146,977	\$210,327	\$214,259
MAINTENANCE EXPENSES							
5500 Labor	14,702	22,253	58,751	30,351	52,213	38,107	39,099
5510 Supplies/Material	1,014	3,286	4,330	2,477	2,500	2,500	2,500
5515 Outside Services	6,690	15,404	34,774	6,395	5,000	5,000	5,000
5530 Capital Outlay	0	31,142	0	0	0	0	0
Sub-total	\$22,406	\$72,085	\$97,855	\$39,223	\$59,713	\$45,607	\$46,599
SPECIALTY EXPENSES							
5710.2 Technical Services	0	0	9,434	1,340	11,115	4,209	4,265
Sub-total	\$0	\$0	\$9,434	\$1,340	\$11,115	\$4,209	\$4,265
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	77,557	55,028	89,004	86,902	77,671	97,654	100,134
7226 Allocated Operations Services	61,499	98,764	110,023	79,378	77,004	102,423	104,265
Sub-total	\$139,056	\$153,792	\$199,027	\$166,280	\$154,674	\$200,077	\$204,399
TOTAL OPERATING EXPENSES	\$324,156	\$403,919	\$500,984	\$400,743	\$372,479	\$460,220	\$469,522



POTABLE WATER

System Operation – 101300

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by Water Production and Treatment personnel to monitor and operate the distribution system remotely using the SCADA system or locally at pump stations; for system usage reporting; and for water quality review.
- 5405 Utilities – These sub-accounts provide funds for miscellaneous leased telephone circuits required for operation of the SCADA system.
- 5410 Supplies/Materials – Miscellaneous supplies required to maintain the SCADA system.
- 5415 Outside Services – Costs associated with production of the Consumer Confidence Report (CCR) are charged to this account.
- 5420 Permits/Fees – Funds CA Department of Public Health inspection and permit fees for the potable water system. Also includes funding for new statewide potable water discharge NPDES permit.
- 5425 Consulting Services – FY 17-18 Funds were anticipated for a follow-up to the Nitrification Study which did not occur.

MAINTENANCE DIVISION EXPENSE LINE ITEM EXPLANATIONS

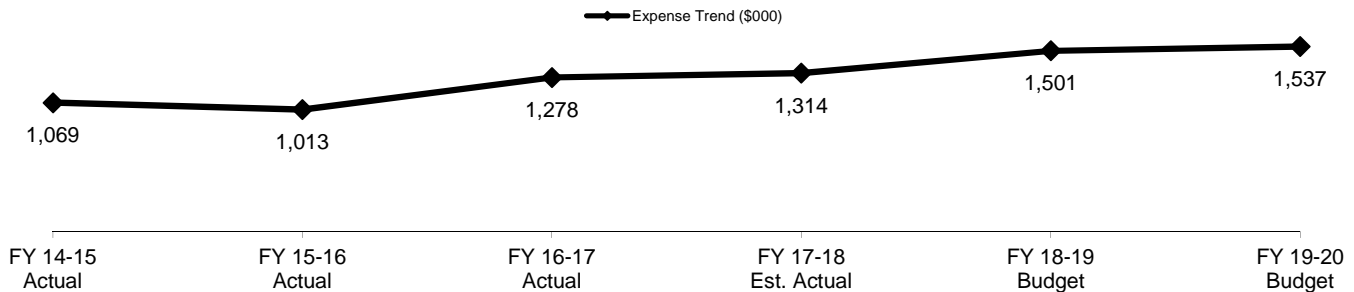
- 5500 Labor – Hours worked by Maintenance Section personnel, primarily the E&I Technicians, to provide maintenance to the SCADA system and to the PLCs located at various District sites.
- 5510 Supplies/Materials – Items purchased by staff necessary to maintain the SCADA and PLC systems.

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 system operations assistance or hydraulic modeling would be accumulated in this account.
- 5715.2 Other Laboratory Services – Outside laboratory costs for potable water quality testing that cannot be performed by Tapia laboratory are direct charged to this account.
- 5715.3 Tapia Laboratory Sampling – Tapia laboratory staff costs for obtaining water quality samples from the potable water distribution system are direct charged to this account.
- 7202 Allocated Laboratory Expense – Tapia laboratory costs for testing water quality samples. Costs are based on total number of in-house tests performed for system operation divided by total number of tests performed in-house.

**Las Virgenes Municipal Water District
Potable Water
System Operation - 101300**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$200,436	\$200,292	\$213,419	\$212,550	\$201,372	\$233,851	\$239,604
5405.2 Telephone	14,398	28,938	20,757	32,362	32,365	31,884	32,362
5410 Supplies/Material	5,001	0	1,943	5,276	0	2,000	2,000
5415 Outside Services	12,379	22,736	19,463	11,926	12,000	12,000	12,000
5420 Permits and Fees	32,051	33,655	59,593	34,363	34,000	35,000	35,000
5425 Consulting Services	0	24,405	0	27,000	0	0	0
Sub-total	\$264,265	\$310,026	\$315,175	\$323,477	\$279,737	\$314,735	\$320,966
MAINTENANCE EXPENSES							
5500 Labor	2,627	74,560	150,599	35,419	159,156	114,063	117,057
5510 Supplies/Material	757	259	52	1,543	0	1,500	1,500
5515 Outside Services	0	1,120	504	1,500	0	1,500	1,500
Sub-total	\$3,384	\$75,939	\$151,155	\$38,462	\$159,156	\$117,063	\$120,057
SPECIALTY EXPENSES							
5700 SCADA Services	48,131	47,059	21,917	72,710	61,297	73,301	74,887
5710.2 Technical Services	950	111	0	6,479	0	0	0
5715.2 Other Lab Services	9,654	4,863	7,338	9,257	0	9,120	9,257
5715.3 Tapia Lab Sampling	64,129	57,880	60,412	67,116	62,916	66,031	67,759
7202 Allocated Lab Expense	136,497	130,092	146,692	159,642	146,014	169,072	173,611
Sub-total	\$259,361	\$240,005	\$236,359	\$315,204	\$270,227	\$317,524	\$325,514
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	123,948	94,750	140,652	127,875	158,245	199,020	203,836
7226 Allocated Operations Services	418,317	292,092	435,043	452,581	447,006	552,739	566,515
Sub-total	\$542,265	\$386,842	\$575,695	\$580,456	\$605,251	\$751,759	\$770,351
TOTAL OPERATING EXPENSES	\$1,069,275	\$1,012,812	\$1,278,384	\$1,257,599	\$1,314,371	\$1,501,081	\$1,536,888



POTABLE WATER

Treatment – 101600

FUNCTION

To provide appropriate training, operating, preventive maintenance and repair programs to preserve district assets and to ensure Westlake Filtration Plant and Pump Station and Las Virgenes Reservoir operate at optimal performance levels to provide the highest quality drinking water to the potable water distribution system while meeting peak summer demands.

SIGNIFICANT CHANGES

With the replacement of natural gas engines with electric motors at the Westlake Pump Station, energy costs will increase and gas purchases will decrease.

OPERATING DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by Water Production and Treatment personnel to operate and provide preventive maintenance at the plant, reservoir and pump station.
- 5405 Utilities – These sub-accounts provide funds for electric and natural gas, telephone and water utilities.
- 5410 Supplies/Materials – Funds used to purchase chemicals (aqueous ammonia, copper sulfate and citric acid), diatomaceous earth (DE) and miscellaneous supplies for plant operations.
- 5410.10 Sodium Hypochlorite – Used with aqueous ammonia for chloramination of the treated water.
- 5415 Outside Services – Funds for outside services such as tank inspections, dam settlement survey, DE disposal, instrument calibration, weed abatement and other miscellaneous work. Increase due to increased instrument calibration service costs.
- 5420 Permits/Fees – Funds to pay for SCAQMD permits, Department of Water Resources (DWR) fees for Las Virgenes Reservoir dams and the LA County Fire Department California Accidental Release Program (CAL-ARP) fees.

MAINTENANCE DIVISION EXPENSE LINE ITEM EXPLANATIONS

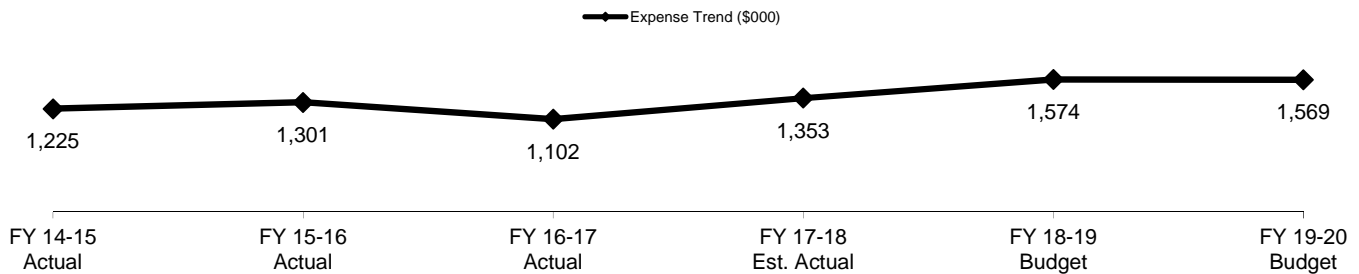
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.
- 5510 Supplies/Materials – Items purchased by staff necessary to maintain the plant, reservoir and pump station.
- 5515 Outside Services – Funds to hire any maintenance providers required.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5530 Capital Outlay – In FY 18-19 Automated gate at Westlake Filter Plant (\$15K), and security cameras (\$18K).

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 – Outside laboratory costs for water quality testing that cannot be performed by Tapia laboratory are direct charged to this account. Additional laboratory testing is anticipated for the reservoir.
- 5715.3 Tapia Laboratory Services – Tapia laboratory costs for water quality sampling of the plant processes and reservoir. Tests include Cryptosporidium and Giardia, MTBE/TOC, TTHM and HAA5.

**Las Virgenes Municipal Water District
Potable Water
Treatment - 101600**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$277,137	\$318,729	\$281,992	\$319,055	\$301,461	\$335,762	\$344,310
5405.1 Energy	54,811	77,670	57,043	77,516	95,000	98,000	100,000
5405.2 Telephone	8,966	11,761	9,931	10,574	10,000	10,500	10,000
5405.3 Gas	18,475	10,877	520	27,101	1,500	500	500
5405.4 Water	4,847	4,900	5,414	4,568	4,000	4,000	4,000
5410 Supplies/Material	14,992	83,393	17,873	79,634	85,000	85,000	85,000
5410.10 Hypochlorite	5,749	10,897	5,528	14,083	20,000	15,000	15,000
5410.12 Septum	0	0	0	0	0	0	0
5415 Outside Services	9,862	86,682	14,920	27,770	40,000	42,000	42,000
5420 Permits and Fees	31,356	31,698	43,817	35,500	35,000	30,000	30,000
5425 Consulting Services	3,405	0	0	0	0	0	0
Sub-total	\$429,600	\$636,607	\$437,038	\$595,801	\$591,961	\$620,762	\$630,810
MAINTENANCE EXPENSES							
5500 Labor	116,503	78,736	66,564	139,260	88,654	96,531	99,034
5510 Supplies/Material	29,084	27,389	8,471	54,000	42,000	50,000	50,000
5515 Outside Services	54,882	29,878	30,346	41,280	10,000	30,000	30,000
5518 Building Maintenance	28,148	21,104	13,161	22,050	12,000	20,000	20,000
5530 Capital Outlay	0	0	0	0	0	33,000	0
Sub-total	\$228,617	\$157,107	\$118,542	\$256,590	\$152,654	\$229,531	\$199,034
SPECIALTY EXPENSES							
5700 SCADA Services	51,848	42,419	89,049	45,106	55,337	46,765	49,161
5710.2 Technical Services	0	0	0	1,117	0	0	0
5715.2 Other Lab Services	887	2,214	637	1,807	0	1,780	1,807
5715.3 Tapia Lab Sampling	9,759	10,687	5,180	8,104	5,378	7,924	8,131
7202 Allocated Lab Expense	36,749	35,025	39,494	42,981	39,311	45,519	46,741
Sub-total	\$99,243	\$90,345	\$134,360	\$99,115	\$100,026	\$101,988	\$105,840
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	215,915	155,017	158,947	262,357	206,467	257,344	263,178
7226 Allocated Operations Services	252,081	261,709	252,963	341,387	302,165	364,394	370,163
Sub-total	\$467,996	\$416,726	\$411,910	\$603,744	\$508,632	\$621,738	\$633,341
TOTAL OPERATING EXPENSES	\$1,225,456	\$1,300,785	\$1,101,850	\$1,555,250	\$1,353,273	\$1,574,019	\$1,569,025



POTABLE WATER

Distribution System – 101700

FUNCTION

To provide appropriate training, operating, preventive maintenance, and maintenance and repair programs to preserve district assets and to ensure the safe and reliable delivery of potable water to district customers.

SIGNIFICANT CHANGES

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

OPERATING DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked by Water Production and Treatment personnel for maintenance of the potable distribution system.
- 5405 Utilities – Funds in sub-accounts are to power cathodic protection rectifiers.
- 5410 Supplies/Materials – Funds to purchase items used during preventive maintenance and repair or replacement of valves, fire hydrants and other appurtenances including supplies for flushing main lines.
- 5415 Outside Services – Includes funds to hire contractors for services for items such as traffic control, painting for hydrants, raising valve stacks, valve boxes, manhole covers, and maintaining appurtenances.

MAINTENANCE DIVISION EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Primarily labor hours worked by the Construction Section to provide maintenance services, pipeline location and vault maintenance services to the potable distribution system. (100 labor hours worked by Field Customer Service personnel for vault repair).
- 5510 Supplies/Materials – Items in this account are those required to maintain the system, such as valves, pipe, air/vacuum assemblies, etc. Expenditures in this account vary according to the number of PW pipeline breaks in any year.
- 5515 Outside Services – Funds to hire any maintenance providers such as pipeline contractors to assist in repairs to the system or paving contractors to repair roads following large system repairs. This account should be considered a contingency account as one major emergency job could result in many thousands of dollars in repair costs.
- 5520 Permits – Local cities have significantly increased their right of way encroachment permits and fees.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

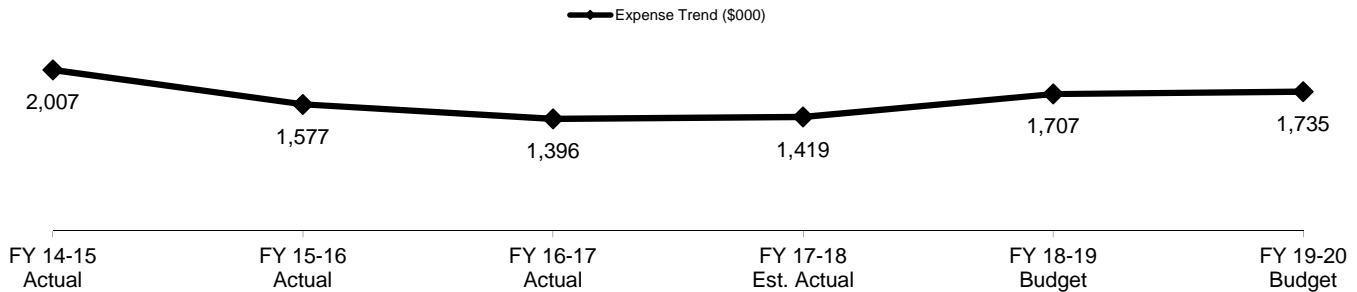
- 5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for distribution assistance would be accumulated in this account.

RESOURCE CONSERVATION LINE ITEM EXPLANATIONS

- 6790 Back Flow Protection – Testing, repair and certification of back flow prevention devices at sites where the potential risk to the potable water system is other than recycled water. The budget increase reflects the increasing number of testable devices, primarily fire system DCDA's for both Commercial and Residential Services. The budget also reflects an intensified effort to identify customers with wells and/or water storage tanks on site, and to ensure the installation of backflow protection assemblies on the water services to these sites for protection of the municipal water supply, including non-reclaimed backflow inspections.

**Las Virgenes Municipal Water District
Potable Water
Distribution - 101700**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$287,507	\$204,204	\$266,506	\$241,756	\$257,784	\$280,858	\$288,009
5405.1 Energy	2,773	2,728	2,786	2,842	2,500	2,500	2,500
5410 Supplies/Material	28,510	47,963	35,619	42,630	34,000	40,000	40,000
5415 Outside Services	8,949	443	405	6,400	400	6,000	6,000
Sub-total	\$327,739	\$255,338	\$305,316	\$293,628	\$294,684	\$329,358	\$336,509
MAINTENANCE EXPENSES							
5500 Labor	392,359	399,503	405,032	511,755	357,620	407,766	418,188
5510 Supplies/Material	84,280	96,524	80,969	88,305	54,000	80,000	80,000
5515 Outside Services	423,645	174,899	96,463	240,000	320,000	240,000	240,000
5520 Permits and Fees	36,675	10,973	13,793	22,026	22,000	25,000	25,000
5530 Capital Outlay	0	2,093	0	0	0	0	0
Sub-total	\$936,959	\$683,992	\$596,257	\$862,086	\$753,620	\$752,766	\$763,188
SPECIALTY EXPENSES							
5710.2 Technical Services	59,864	93,651	26,337	61,772	26,418	76,149	77,152
Sub-total	\$59,864	\$93,651	\$26,337	\$61,772	\$26,418	\$76,149	\$77,152
RESOURCE CONSERVATION							
6790 Back Flow Protection	73,459	50,321	25,352	157,437	41,620	134,353	135,258
Sub-total	\$73,459	\$50,321	\$25,352	\$157,437	\$41,620	\$134,353	\$135,258
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	343,999	205,145	275,037	387,948	159,804	197,515	200,814
7226 Allocated Operations Services	265,474	288,623	167,997	222,526	142,729	216,633	221,861
Sub-total	\$609,473	\$493,768	\$443,034	\$610,474	\$302,533	\$414,148	\$422,675
TOTAL OPERATING EXPENSES	\$2,007,494	\$1,577,070	\$1,396,296	\$1,985,397	\$1,418,875	\$1,706,774	\$1,734,782



WATER CONSERVATION

Operations – 101800

FUNCTION

These programs, all of which receive varying level of monetary offsets from MWD and other agencies, provide quantifiable, cost-effective water savings through hardware retrofits and changes in water use practices.

SIGNIFICANT CHANGES

A weather based irrigation controller (WBIC) Program and the renewal of a rain barrel give-away program is budgeted for FY18-19 and FY19-20.

LINE ITEM EXPLANATIONS

REVENUES

4400 MWD Conservation Credit – This is the amount that we anticipate receiving from Metropolitan Water District to support implementation of various conservation programs.

4421 Reimbursement for Prop. 50 IRWMP funded projects.

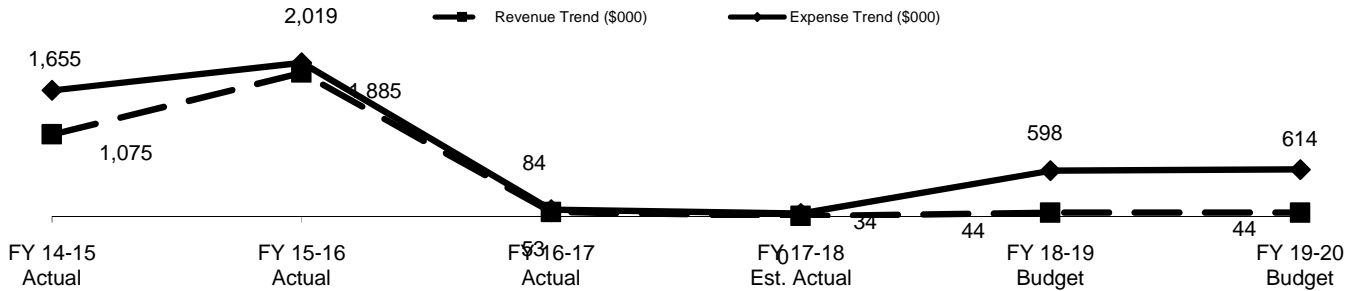
OPERATING EXPENSES

6640 Rain barrel and Cistern Program – The budgeted amount would provide for giving away up to 500 barrels each year.

6709 Weather Based Irrigation Controller Program – The budgeted amount would provide for furnishing and installing approximately 1,000 controllers each year.

**Las Virgenes Municipal Water District
Potable Water
Water Conservation - 101800**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4400 MWD Conser Credit	\$1,074,630	\$1,857,224	\$19,750	\$0	\$0	\$44,000	\$44,000
4421 Prop 50 - IRWMP	0	28,147	33,451	0	0	0	0
TOTAL OPERATING REVENUES	\$1,074,630	\$1,885,371	\$53,201	\$0	\$0	\$44,000	\$44,000
FIELD CONSERVATION							
6639 Turf Removal Program	1,500,521	1,871,575	755	0	0	0	0
6640 RainBarrel Program	0	3,333	56,594	0	1,676	63,975	64,334
6709 WBIC Irrigation Controller	0	0	0	0	0	493,938	508,836
Sub-total	\$1,500,521	\$1,874,908	\$57,349	\$0	\$1,676	\$557,913	\$573,170
ADMINISTRATIVE EXPENSES							
7225 Allocated Support Services	54,441	62,332	1,361	0	3,390	4,006	3,999
7226 Allocated Operations Services	100,357	81,288	25,166	0	28,827	35,696	36,617
Sub-total	\$154,798	\$143,620	\$26,527	\$0	\$32,217	\$39,702	\$40,616
TOTAL OPERATING EXPENSES	\$1,655,319	\$2,018,528	\$83,876	\$0	\$33,893	\$597,615	\$613,786
NET INCOME (LOSS)	(\$580,689)	(\$133,157)	(\$30,675)	\$0	(\$33,893)	(\$553,615)	(\$569,786)



POTABLE WATER

Administration – 101900

FUNCTION

To fund general and administrative expenses that are specific to Potable Water Operations.

SIGNIFICANT CHANGES

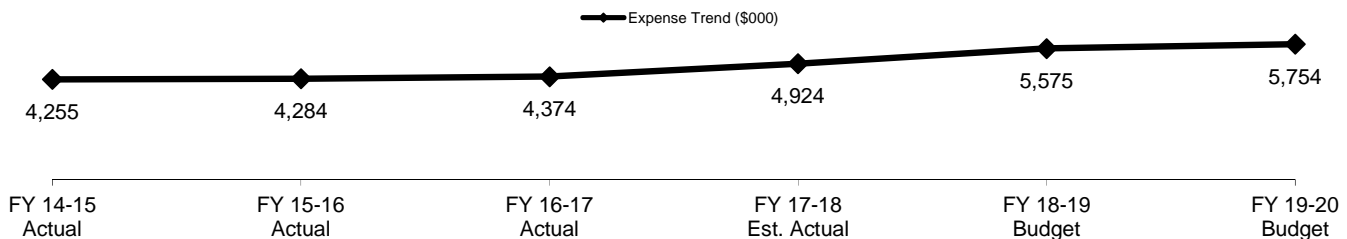
No significant changes are anticipated for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 5400 Labor – Costs associated with labor hours worked by administrative staff on potable water activities.
- 5425 Consulting Services – Funds for the “Inundation and Emergency Action Plan Update for Westlake Reservoir” and the “Water Supply Outage Evaluation” studies.
- 5500 – 5530 Costs associated with labor and expenses associated with rental facilities.
- 5725 General Supplies/Small Tools – Warehouse items for operational use.
- 6260 Rental Charge - Facilities Replacement – Internal charge to set aside funds for future facilities replacement.
- 6602 School Education Program – Includes LVUSD water science education school initiative; annual primary school poster contest and related calendar; elementary school theatrical presentations and related take-home support materials; secondary school outreach program, the annual library book program, and MWD’s Solar Cup Challenge for participating high schools, and related programs.
- 6604 Public Education Program – Includes water conservation-related display advertising, shut down notifications and other incident-specific notices to customers; conservation education to hotels, restaurants and businesses; chamber directories and “water supply only” District quarterly tours for potable water, production of the annual water quality report, production of the annual “Popular Budget”, construction project notifications and outreach, annual rate change notifications and “robo call” telephone messaging when necessary, and related programs.
- 6606 Community Group Outreach – Includes water-related community group events; brochures, advertising, posters, speaker’s bureau publications and supplies, photos and training materials.
- 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.
- 6741 – 6749 Community Conservation Education – Conservation Education Programs are designed to educate District customers and contractors working in and around the service area on sustainable, water efficient landscape and irrigation design, maintenance and management concepts and practices.
- 6785 Watershed Programs – Active support and leadership in the Integrated Regional Water Management Plan (IRWMP), including participation on the Regional Leadership Committee and subregional steering committee. The objective of this effort is to coordinate water management efforts across the greater Los Angeles County region and secure grant funds for District initiatives through the Prop. 84 bond program (Round 3) and Prop.1.
- 6516 Professional Services – FY19-20 funds provide for Rate Study, Urban Water Management Plan and for the Master Plan updates.
- 7135 General Insurance – Potable Water operation’s share of property insurance premium.

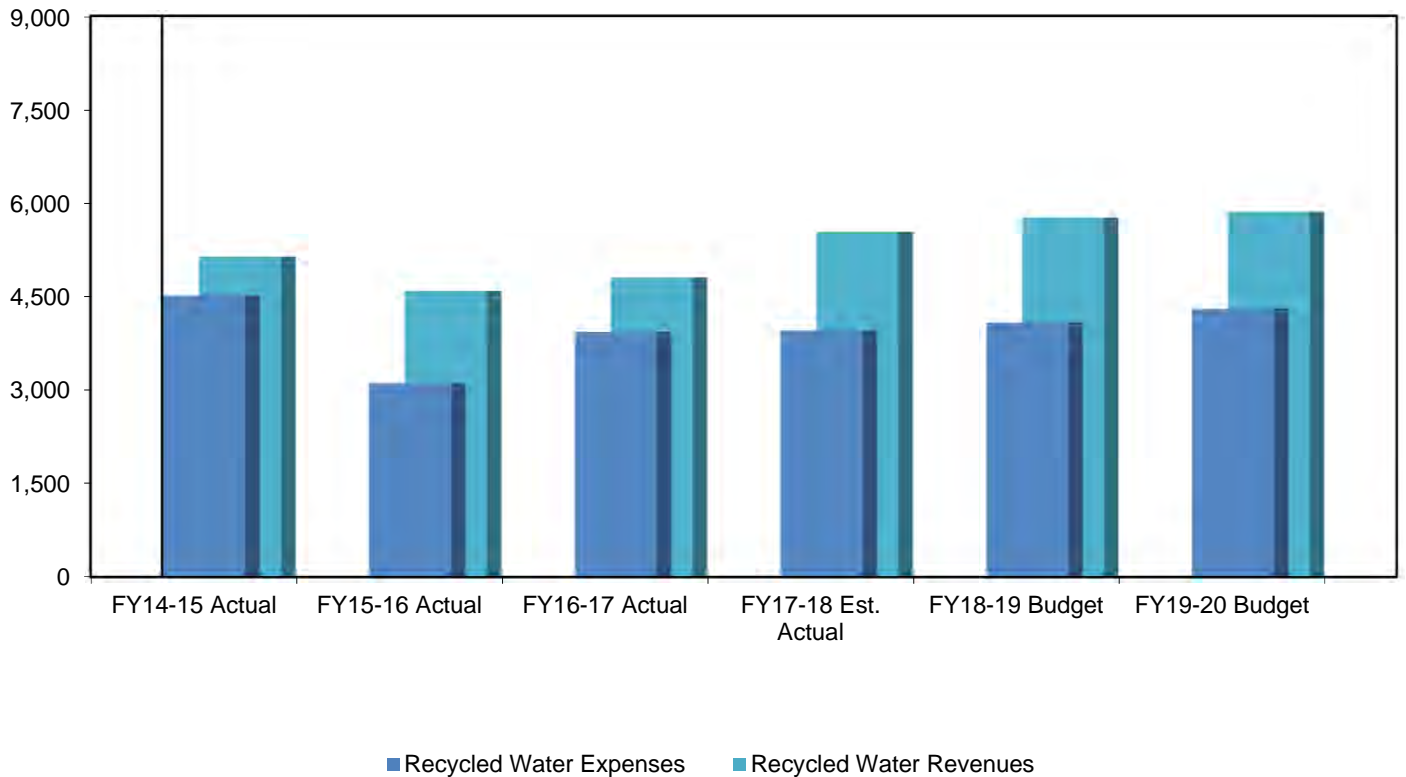
**Las Virgenes Municipal Water District
Potable Water
Administration - 101900**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSES							
5400 Labor	\$0	\$146	\$0	\$0	\$0	\$0	\$0
5405.4 Water	2,532	2,619	2,824	2,502	2,500	2,502	2,502
5425 Consulting Services	0	0	0	59,523	59,523	0	0
Sub-total	\$2,532	\$2,765	\$2,824	\$62,025	\$62,023	\$2,502	\$2,502
MAINTENANCE EXPENSES							
5500 Labor	2,591	4,917	1,164	2,353	1,637	3,738	3,835
5510 Supplies/Material	822	2,072	0	500	0	500	500
5515 Outside Services	15,107	3,518	418	0	0	0	0
5530 Capital Outlay	0	10,000	0	0	0	0	0
Sub-total	\$18,520	\$20,507	\$1,582	\$2,853	\$1,637	\$4,238	\$4,335
INVENTORY EXPENSE							
5536 Inventory Adjustment	0	10,996	0	0	0	0	0
SPECIALTY EXPENSES							
5725 Gen Supplies/Small Tools	27,284	28,691	11,992	29,252	2,126	0	0
Sub-total	\$27,284	\$28,691	\$11,992	\$29,252	\$2,126	\$0	\$0
PUBLIC INFORMATION							
6602 School Education Program	143,449	145,508	174,587	214,514	217,872	232,107	231,915
6604 Public Education Program	252,467	204,037	127,047	233,793	100,109	156,020	155,422
6606 Community Group Outreach	1,169	7,241	1,161	8,164	0	8,200	8,279
6608 Intergovernmental Coordination	776	1,392	3,365	10,469	10,954	8,188	8,269
Sub-total	\$397,861	\$358,178	\$306,160	\$466,940	\$328,935	\$404,515	\$403,885
COMMUNITY CONSERVATION EDUCATION							
6742 Demonstration Garden Grant	92	1,434	4,565	16,120	5,898	16,618	16,647
6749 Residential Customer Training	24,574	24,341	12,154	39,161	9,217	27,640	36,037
Sub-total	\$24,666	\$25,775	\$16,719	\$55,281	\$15,115	\$44,258	\$52,684
RESOURCE CONSERVATION							
6785 Watershed Programs	34,114	8,822	13,164	39,115	30,049	43,565	49,068
Sub-total	\$34,114	\$8,822	\$13,164	\$39,115	\$30,049	\$43,565	\$49,068
ADMINISTRATIVE EXPENSES							
6230 Safety Equipment	0	0	0	0	0	0	0
6260 Rental Charge - Facility Repl	252,385	267,772	273,933	274,016	257,557	255,389	255,375
6516 Other Professional Services	27,581	39,489	3,547	0	42,339	0	221,625
7135 General Insurance	0	0	0	0	0	0	0
7135.1 Property Insurance	30,146	39,008	31,115	65,038	69,743	71,836	73,991
7135.4 Earthquake Insurance	49,018	48,505	49,969	103,944	111,407	114,749	118,192
7145 Claims Paid	66,018	11,133	19,953	0	7,000	0	0
7155 Other Expense	(2,805)	(3,944)	3,170	0	0	0	0
7160 Direct Charged Supplies & Services	0	0	0	0	0	0	0
7203 Allocated Building Maint	88,082	95,945	83,651	97,011	93,484	107,102	88,805
7205 Allocated Legal	32,073	38,109	9,709	50,000	0	0	0
7206 Allocated G & A	0	0	0	0	0	0	0
7209 Allocated Rental Property Exp	(3,021)	0	0	0	0	0	0
7225 Allocated Support Services	688,239	557,265	601,259	683,155	617,228	727,959	711,336
7226 Allocated Operations Services	2,522,710	2,734,506	2,945,217	3,691,008	3,284,898	3,799,175	3,772,407
Sub-total	\$3,750,426	\$3,827,788	\$4,021,523	\$4,964,172	\$4,483,656	\$5,076,210	\$5,241,731
TOTAL OPERATING EXPENSES	\$4,255,403	\$4,283,522	\$4,373,964	\$5,619,638	\$4,923,541	\$5,575,288	\$5,754,205



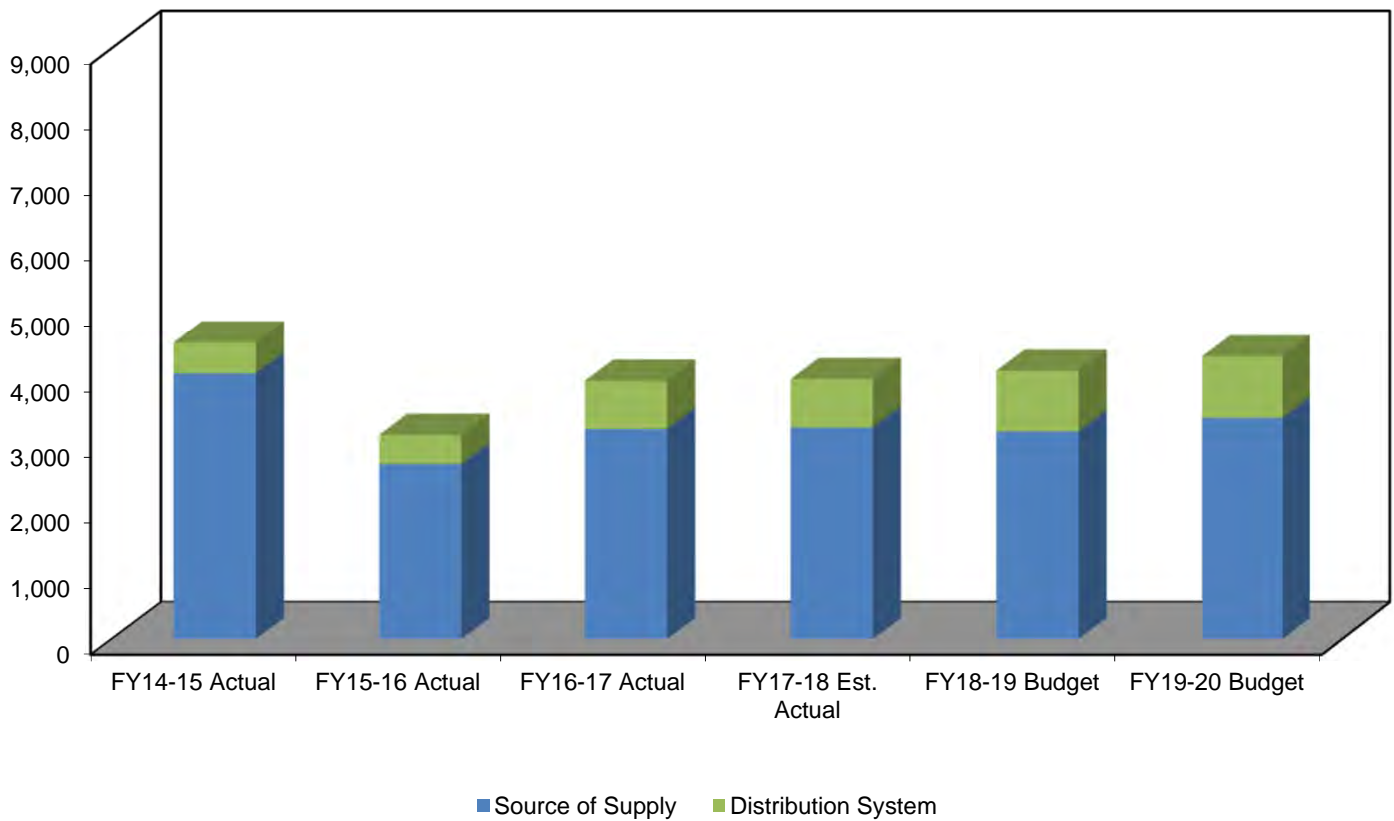
Las Virgenes Municipal Water District
Recycled Water Operations Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Recycled Water Revenues	5,147	4,602	4,817	5,547	5,775	5,868
Recycled Water Expenses	4,530	3,123	3,944	3,969	4,097	4,317
Net Operating Income	617	1,479	873	1,578	1,678	1,551



Las Virgenes Municipal Water District
Recycled Water 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
Source of Supply	4,056	2,683	3,212	3,236	3,176	3,380
Distribution System	474	440	732	733	921	937
Total Recycled Water	4,530	3,123	3,944	3,969	4,097	4,317



RECYCLED WATER

Operating Revenues – 102000

LINE ITEM EXPLANATIONS

4215 to 4230 – These accounts are the revenues derived from retail recycled water sales to customers. They are shown by area as result of requirements for reporting under MWD’s Local Projects Programs. The 2015 rate study projected annual increases of 0% for each of the next 2 years.

		FY17-18	FY17-18	FY18-19	FY19-20
	Acre Feet Billed	Budget	Est. Actual	Budget	Budget
4215	Calabasas	642	534	534	534
4220	LV Valley	298	317	317	317
4225	Calabasas/MWD	1,249	1,403	1,403	1,403
4230	Western	2,393	2,576	2,576	2,576
	Total	4,582	4,830	4,830	4,830

4505 Other Income from Operations – Includes LVMWD’s share of JPA wholesale recycled water revenue received due to the addition of depreciation expense as a component of the JPA wholesale recycled water rate.

Source of Supply – 102000

LINE ITEM EXPLANATIONS

5100 Purchased Water – JV RWTR – Wholesale cost to purchase LVMWD’s allocation of recycled water for sale to district customers. Wholesale rates are set by the JPA 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 also included in the wholesale recycled water rate.

		FY17-18	FY17-18	FY18-19	FY19-20
	Acre Feet Purchased	Budget	Est. Actual	Budget	Budget
	LV Valley	289	321	321	321
	Calabasas System	1,517	1,443	1,443	1,443
	Western System	2,306	2,151	2,151	2,151
	Total	4,112	3,915	3,915	3,915

The difference between purchased and billed acre-feet is due to purchased Potable Water Supplement and the timing of customer bills.

5115 Purchased Potable Supplement – Retail cost to purchase potable water supplement from LVMWD for use in the recycled water system as necessary. The cost of potable water supplement is set to recover the full cost of providing potable water. Prior Year Adjustment in FY 14-15 corrects an internal billing error.

Distribution System – 102100

FUNCTION

To ensure the integrity of the recycled water distribution system, appropriate and legal use of recycled water, and protection against backflow and cross connections. This includes: system surveillance, test and repair of backflow devices, landscape irrigation system plan checks for new services, water quality and system pressure tests to ensure quality of service, training local landscape maintenance and grounds supervisors in cross-connection prevention.

LINE ITEM EXPLANATIONS

5400 Labor – Surveillance activities (250 hours for FCS to assist with surveillance), including new construction inspections, system checks and negative pressure tests. Includes Water Treatment and Production labor hours to operate the pump station and tank.

5420 Permits and Fees – Expenses for California DPH plan review fees for recycled water expansion plans.

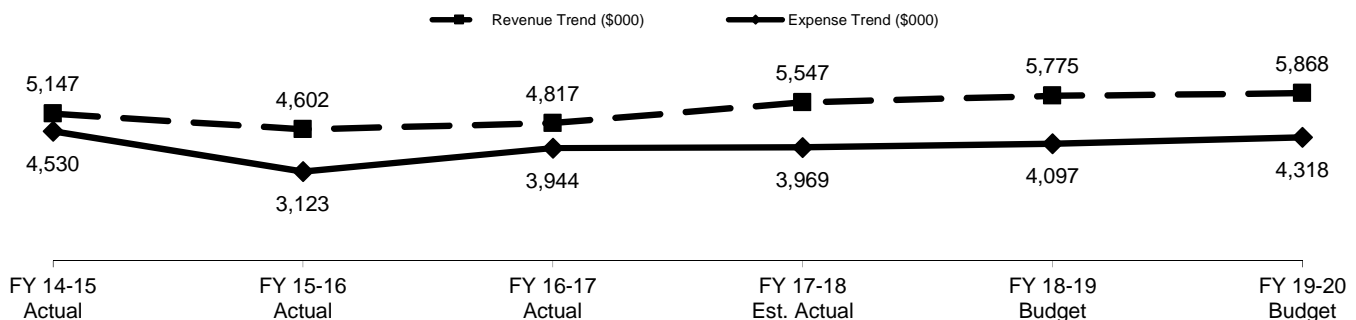
5500 Labor – Labor to install and maintain RW service lines by Construction Section.

5510 Supplies/Materials – Costs to install and maintain RW service lines from the main to the district’s meter, including materials, outside contractor for re-paving, and permit fees for new service installation.

6790 Backflow Protection – Testing and certification of backflow prevention devices at sites where both recycled and potable water are in use.

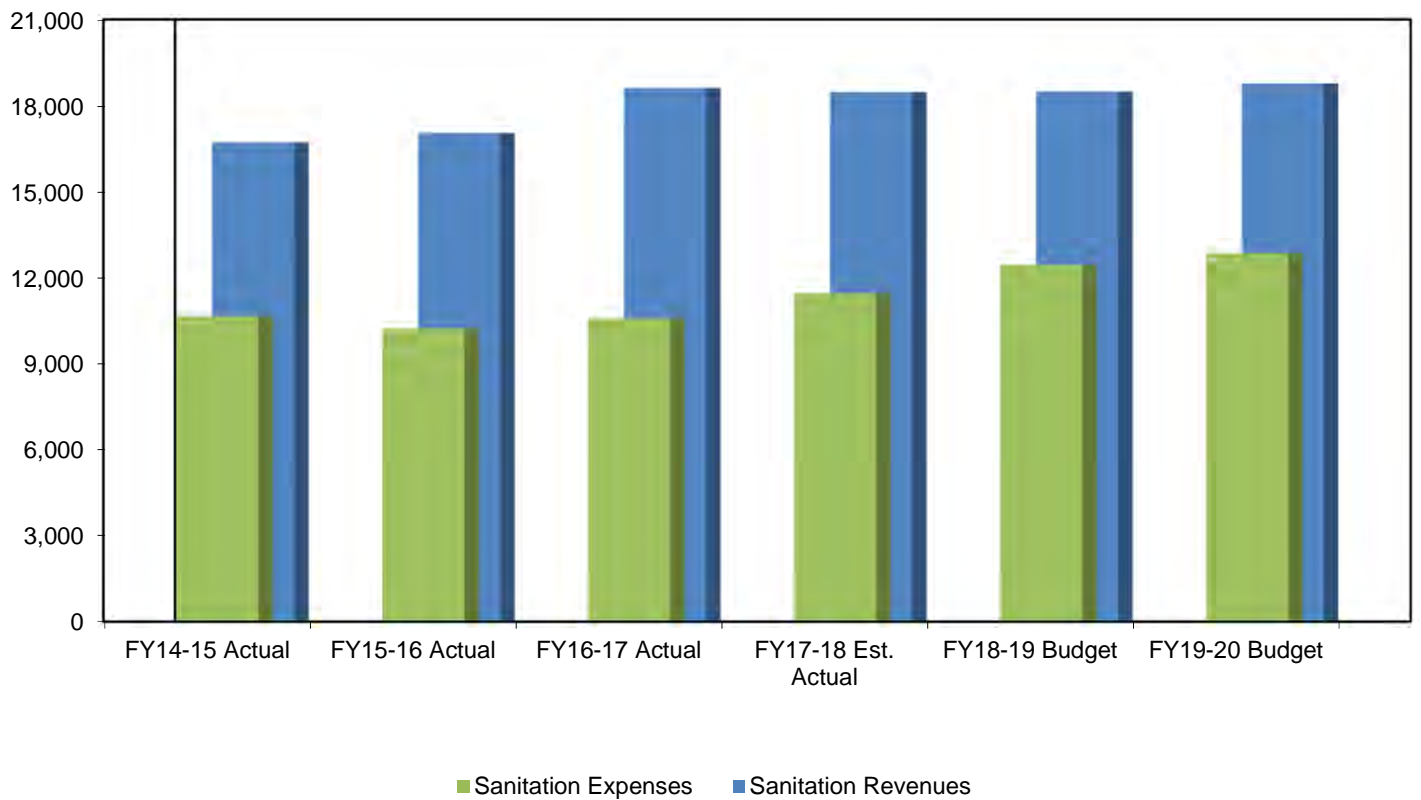
**Las Virgenes Municipal Water District
Recycled Water
Operations - 102000/102100**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4050 Temporary Meter Charge	\$0	\$0	\$0	\$1,800	\$0	\$1,800	\$1,800
4155 Temporary Meter Installation Fees	50	0	0	100	100	100	100
4160 Late Payment Fees	2,647	9,494	6,924	10,000	8,000	10,000	10,000
4170 Water Usage - Accidents	0	81	0	100	0	100	100
4215 RW Sales - Calabasas	605,493	634,920	566,320	752,000	588,000	600,000	612,000
4220 RW Sales - LV Valley	312,673	235,172	198,427	322,000	287,000	293,000	299,000
4225 RW Sales - Calabasas MWD	1,359,377	1,181,117	1,179,349	1,384,000	1,375,000	1,403,000	1,431,000
4230 RW Sales - Western	2,289,610	1,922,053	2,262,085	2,334,000	2,747,000	2,802,000	2,858,000
4505 Other Income from Operations	576,915	619,082	603,754	647,936	541,752	664,993	656,394
TOTAL OPERATING REVENUES	\$5,146,765	\$4,601,919	\$4,816,859	\$5,451,936	\$5,546,852	\$5,774,993	\$5,868,394
SOURCE OF SUPPLY							
5100 Purchased Water - JPA RWTR	1,508,136	1,557,726	1,369,024	1,707,782	1,620,868	1,817,122	1,838,299
5115 Purchased Water - Potable Suppl	1,210,738	1,125,668	1,842,516	486,956	1,614,760	1,358,800	1,542,080
5116 Purch Water-PW Supp-Prior Yr Adj	1,337,357	0	0	0	0	0	0
Sub-total	\$4,056,231	\$2,683,394	\$3,211,540	\$2,194,738	\$3,235,628	\$3,175,922	\$3,380,379
OPERATING EXPENSES							
5400 Labor	94,663	102,555	145,110	177,211	141,088	139,459	143,125
5405.1 Energy	5,484	5,677	6,329	6,600	6,400	6,500	6,500
5410 Supplies/Material	126	0	0	0	0	0	0
5420 Permits and Fees	0	3,443	4,267	3,147	3,000	3,000	3,000
Sub-total	\$100,273	\$111,675	\$155,706	\$186,958	\$150,488	\$148,959	\$152,625
MAINTENANCE EXPENSES							
5500 Labor	0	1,012	3,484	5,257	2,151	2,811	2,872
5510 Supplies/Material	937	130	1,047	1,500	2,600	1,500	1,500
5515 Outside Services	4,999	0	0	0	0	0	0
Sub-total	\$5,936	\$1,142	\$4,531	\$6,757	\$4,751	\$4,311	\$4,372
SPECIALTY EXPENSES							
5710.2 Tech Services	1,846	0	0	0	0	0	0
Sub-total	\$1,846	\$0	\$0	\$0	\$0	\$0	\$0
RESOURCE CONSERVATION							
6790 Back Flow Protection	6,915	12,648	1,060	52,956	12,000	40,188	40,193
Sub-total	\$6,915	\$12,648	\$1,060	\$52,956	\$12,000	\$40,188	\$40,193
ADMINISTRATIVE EXPENSES							
6260 Rental Charge - Facility Repl	14,792	16,536	17,974	18,176	16,968	12,368	12,368
6516 Other Professional Services	0	0	0	0	0	0	2,250
7225 Allocated Support Services	140,075	101,623	143,255	148,965	120,483	145,917	145,911
7226 Allocated Operations Services	204,157	196,162	409,520	453,585	428,331	569,652	579,707
Sub-total	\$359,024	\$314,321	\$570,749	\$620,726	\$565,781	\$727,937	\$740,236
TOTAL OPERATING EXPENSES	\$4,530,225	\$3,123,180	\$3,943,586	\$3,062,135	\$3,968,649	\$4,097,317	\$4,317,805
NET OPERATING INCOME (LOSS)	\$616,540	\$1,478,739	\$873,273	\$2,389,801	\$1,578,203	\$1,677,676	\$1,550,589



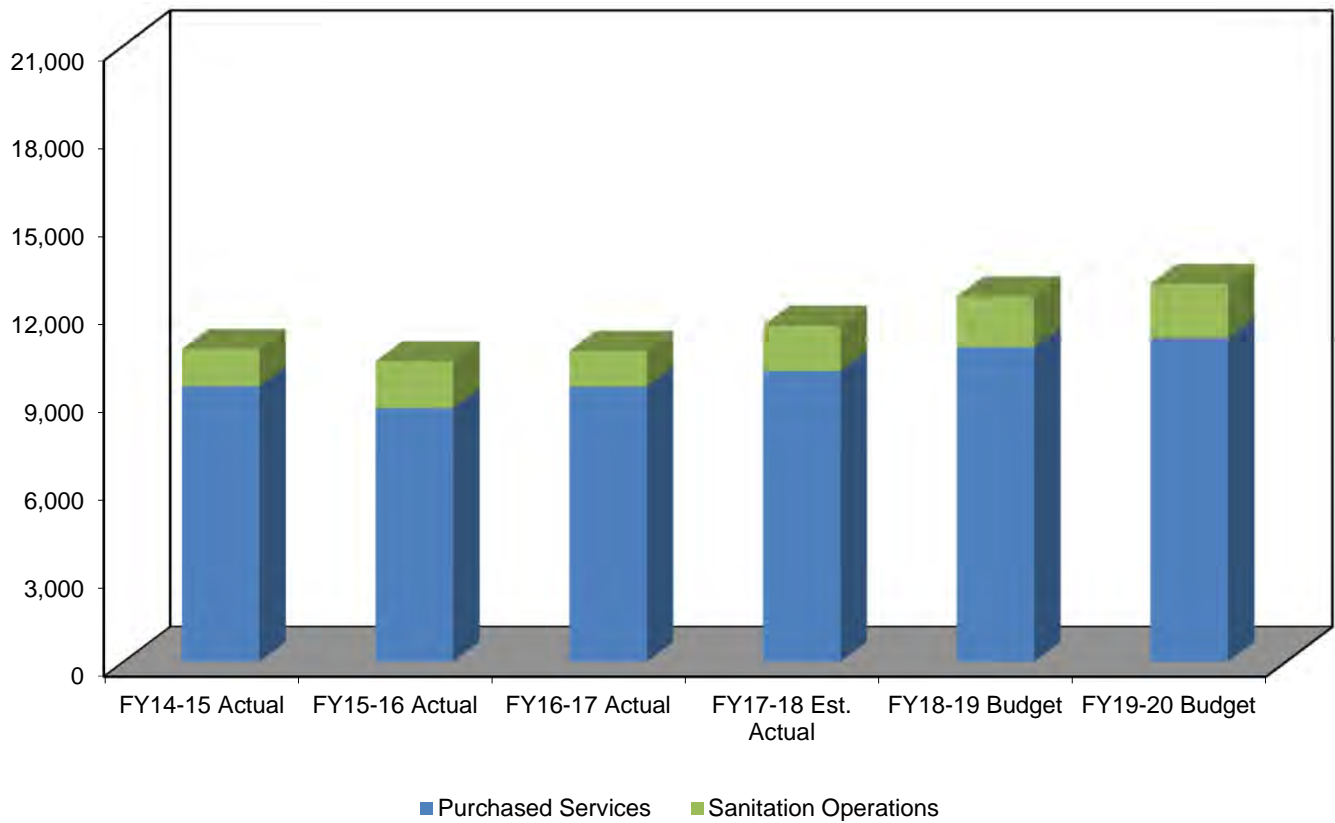
Las Virgenes Municipal Water District
Sanitation Operations Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Sanitation Revenues	16,726	17,050	18,614	18,476	18,494	18,777
Sanitation Expenses	10,680	10,260	10,614	11,469	12,465	12,887
Net Operating Income	6,046	6,790	8,000	7,007	6,029	5,890



Las Virgenes Municipal Water District
Sanitation 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
Purchased Services	9,407	8,664	9,394	9,930	10,738	11,048
Sanitation Operations	1,273	1,596	1,220	1,539	1,727	1,839
Total Sanitation	10,680	10,260	10,614	11,469	12,465	12,887



SANITATION

Operating Revenues – 130000

LINE ITEM EXPLANATIONS

- 4260 Sanitation Service Fees – Revenues received from residential and commercial customers within the U-1, U-2, U-3, B and D sanitation districts. Service fees provide resources for the operation of the wastewater treatment facilities and for replacement of sanitation capital assets and infrastructure. The net operating income is also used to service the debt on existing sanitation assets. Revenue from residential customers is projected using the approved rate schedule for each active service. For Commercial customers, the three-year average revenue, adjusted to the approved rate schedule and change in Equivalent Residential Units (ERU) is used.
- 4270 Consolidated Sewer District Fees – Revenues received from Topanga Consolidated Sewer District. These accounts are outside the LVMWD service area and service is provided on a contractual basis.

Operating Expenses – 130100

FUNCTION

To provide wastewater services including sewer maintenance and lift station operations and maintenance to District customers in the U-2, U-3 and B Districts.

SIGNIFICANT CHANGES

There are no significant changes budgeted for FY18-19 and FY19-20 that affects the scope or level of service.

PURCHASED SERVICES LINE ITEM EXPLANATIONS

- 5735 Share of JPA Net Expenses – The District's share of the net operating expenses of the Joint Powers Authority. See details of the JPA revenue and expense allocations in the JPA Operations section.
- 5740 City of Los Angeles – This is the annual operations and maintenance costs paid to the City of Los Angeles for U-3, B and a portion of U-2 districts. It also includes rental payments for sewage discharge at the El Canon Intertie. Los Angeles provides a cost estimate for the year which is based on flow from previous years. Estimated billings are as follows:

	FY14-15	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20
U-3/B/El Canon Sewage Disposal	\$256,757	\$392,687	\$362,054	\$400,863	\$515,200	\$581,000
Prior Year Reconciliation	-29,930	81,305	17,738	40,220	0	0
El Canon Rental	455	0	938	6,303	0	0
Total	\$227,282	\$473,992	\$380,730	\$447,386	\$515,200	\$581,000

OPERATING EXPENSE LINE ITEM EXPLANATIONS

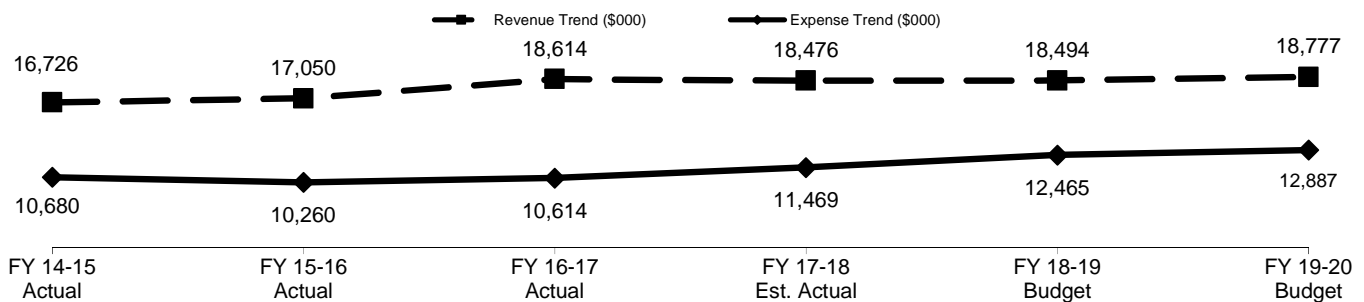
- 5400 Labor – Costs involved with operating the Lift Stations by the Reclamation personnel.
- 5405.1 Electricity – Electrical costs associated with operating the Lift Stations.
- 5417 Odor Control – Funds for annual replacement of media (carbon) at both Lift Stations.
- 5420 Permit and Fees – Funds Waste Discharge Requirement (WDR) from the SWRCB for operation of the sewer system, SCAQMD and CUPA permits.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

- 5500 Labor – Labor costs incurred by the Maintenance Section for operating and maintaining lift stations and sewer lines.
- 5510 Supplies/Materials – Items in this account are those required to maintain lift stations, force mains and sewers. Typical expenditures expected for work on rings, covers and odor mitigation.
- 5515 Outside Services – Funds to provide for contractors and vendors to assist in the maintenance of the system such as pump repairs, sewer cleaning, wetwell maintenance and emergency generator maintenance. FY18-19 includes \$20K for automatic transfer switch maintenance.
- 5530 Capital Outlay – FY18-19 funds are to purchase mixers for the lift station wet wells.

**Las Virgenes Municipal Water District
Sanitation
Operations - 130000/130100**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING REVENUES							
4160 Late Payment Fees	\$29,910	\$35,004	\$38,977	\$31,500	\$38,000	\$40,000	\$40,000
4260 Sanitation Service Fees	16,463,845	16,779,190	18,338,770	17,679,000	18,225,000	18,239,000	18,522,000
4270 Consol Sewer District Fees	232,170	236,004	236,004	236,004	213,000	215,000	215,000
TOTAL OPERATING REVENUES	\$16,725,925	\$17,050,198	\$18,613,751	\$17,946,504	\$18,476,000	\$18,494,000	\$18,777,000
PURCHASED SERVICES							
5735 Share of JPA Net Expenses	9,179,325	8,190,286	9,013,414	9,782,763	9,483,035	10,223,055	10,466,855
5740 City of Los Angeles	227,282	473,992	380,730	470,800	447,386	515,200	581,000
Sub-total	\$9,406,607	\$8,664,278	\$9,394,144	\$10,253,563	\$9,930,421	\$10,738,255	\$11,047,855
OPERATING EXPENSES							
5400 Labor	12,942	18,359	12,349	31,626	2,632	14,131	14,495
5405.1 Energy	94,688	71,759	69,798	85,000	80,000	82,000	85,000
5405.2 Telephone	18,884	31,042	18,192	22,400	30,816	29,197	29,635
5405.4 Water	552	794	780	792	800	800	800
5417 Odor Control	2,932	2,460	2,280	3,772	2,500	2,575	2,650
5420 Permits and Fees	6,496	6,610	14,554	7,900	14,436	15,000	15,000
Sub-total	\$136,494	\$131,024	\$117,953	\$151,490	\$131,184	\$143,703	\$147,580
MAINTENANCE EXPENSES							
5500 Labor	59,992	63,053	44,018	98,415	48,383	59,689	61,228
5510 Supplies/Material	7,301	43,123	3,561	31,500	2,000	10,000	10,000
5515 Outside Services	33,306	37,333	32,363	34,600	34,000	35,000	35,000
5530 Capital Outlay	0	0	0	0	0	6,400	0
Sub-total	\$100,599	\$143,509	\$79,942	\$164,515	\$84,383	\$111,089	\$106,228
SPECIALTY EXPENSES							
5700 SCADA Services	3,817	1,908	818	9,601	6,801	6,269	6,381
5710.2 Tech Services	0	0	0	112	0	0	0
Sub-total	\$3,817	\$1,908	\$818	\$9,713	\$6,801	\$6,269	\$6,381
ADMINISTRATIVE EXPENSES							
6260 Rental Charge - Facility Repl	26,982	27,566	29,434	27,404	27,475	22,600	22,614
6516 Other Professional Services	0	0	0	0	0	0	101,125
7205 Allocated Legal	0	0	4,450	0	0	0	0
7225 Allocated Support Services	237,722	250,048	269,858	349,669	318,771	374,733	366,691
7226 Allocated Operations Services	767,560	1,042,089	717,039	882,833	969,882	1,068,119	1,088,821
Sub-total	\$1,032,264	\$1,319,703	\$1,020,781	\$1,259,906	\$1,316,129	\$1,465,452	\$1,579,252
TOTAL OPERATING EXPENSES	\$10,679,781	\$10,260,422	\$10,613,638	\$11,839,187	\$11,468,918	\$12,464,768	\$12,887,296
NET OPERATING INCOME (LOSS)	\$6,046,144	\$6,789,776	\$8,000,113	\$6,107,317	\$7,007,082	\$6,029,232	\$5,889,704



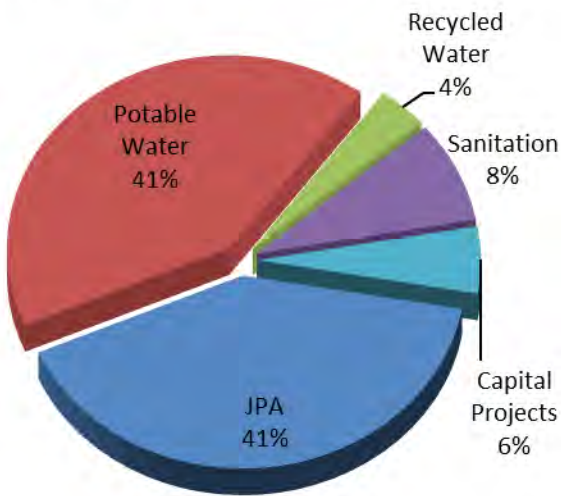


INTERNAL SERVICES

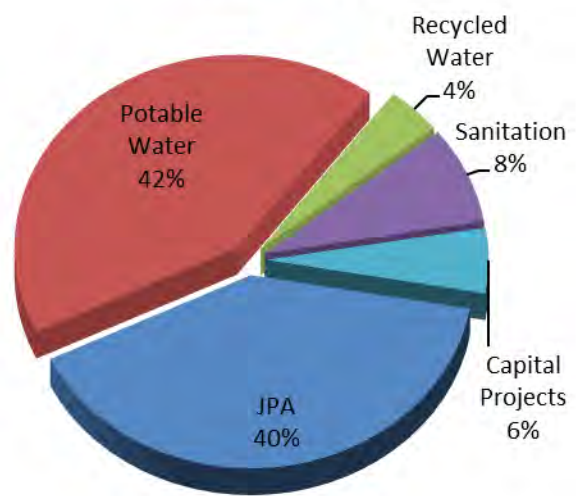
The Internal Service fund is used to account for all costs related to the General Administration of the District. In addition, all personnel related costs, including salaries, benefits, training, etcetera, are administered through the Internal Service fund. Personnel working in the various enterprises 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

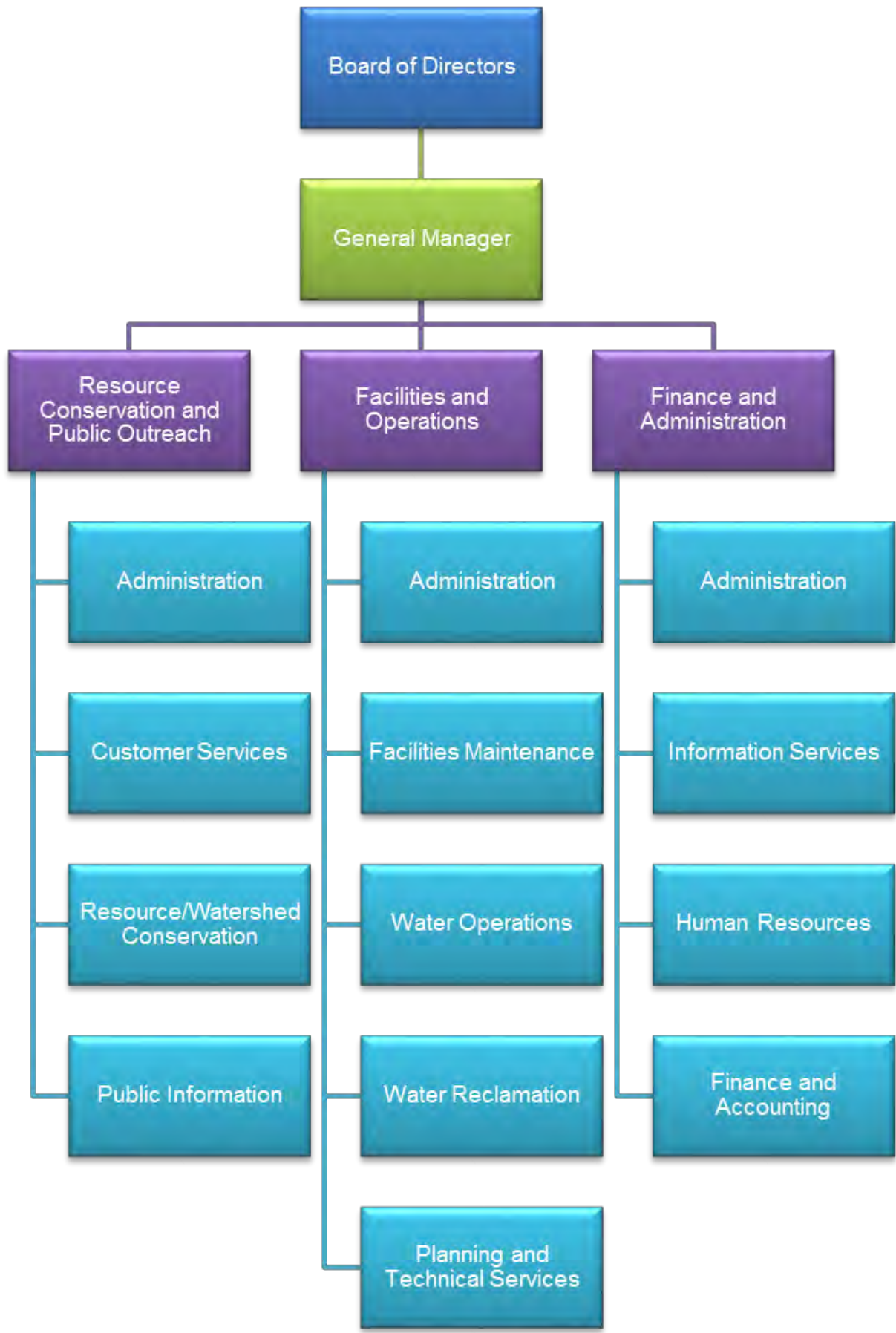


FY 2018-19 Budget



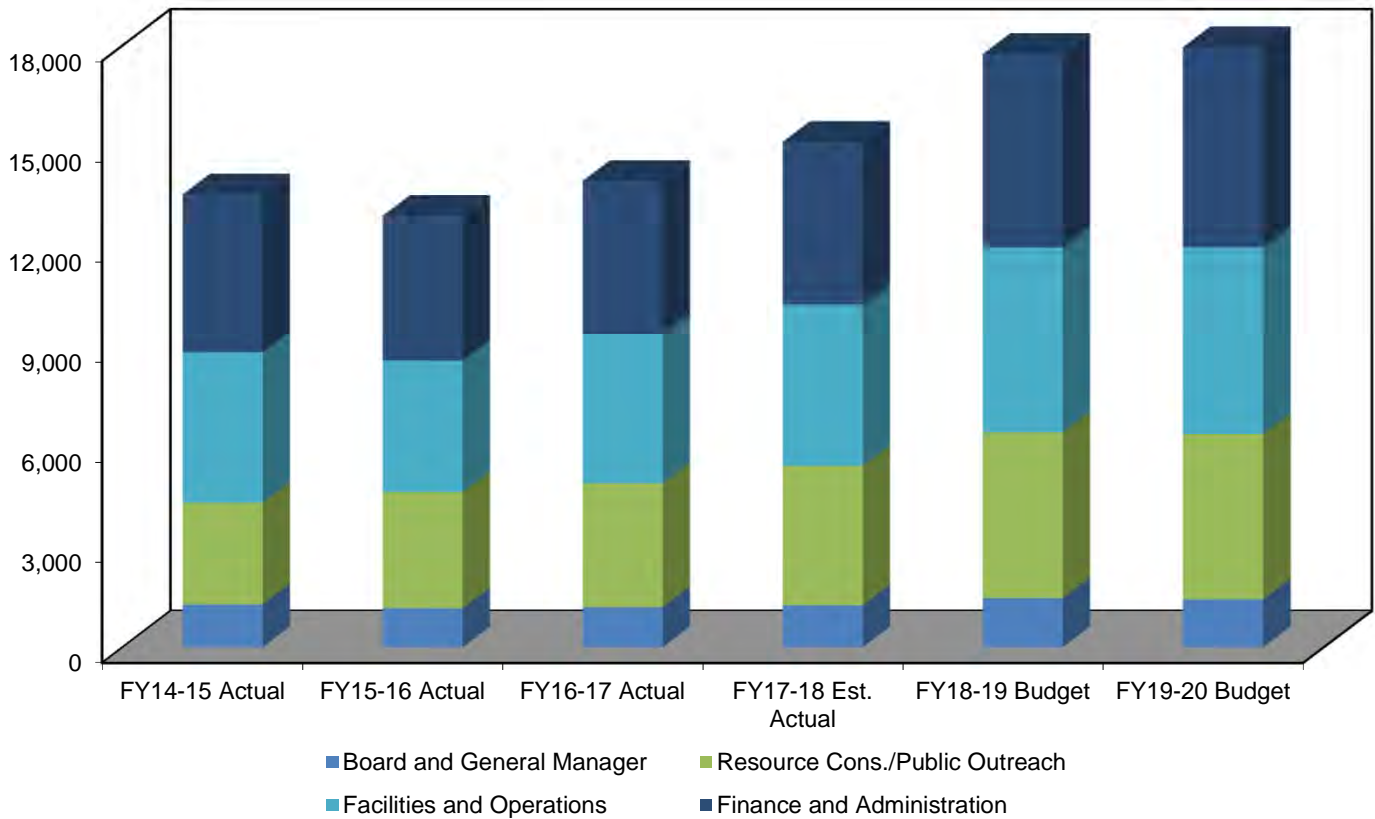
All remaining costs are allocated between LV enterprises (potable water, recycled water, and non-JPA sanitation), Capital Improvement Projects, and the JPA operations. The allocation is based on the labor charged through the timekeeping system to each of these operations or projects. The allocation of 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.



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
Board and General Manager	1,276	1,161	1,198	1,247	1,463	1,424
Resource Cons./Public Outreach	3,031	3,469	3,689	4,163	4,944	4,934
Facilities and Operations	4,492	3,920	4,467	4,838	5,550	5,607
Finance and Administration	4,747	4,355	4,593	4,871	5,786	5,980
	13,546	12,905	13,947	15,119	17,743	17,945



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

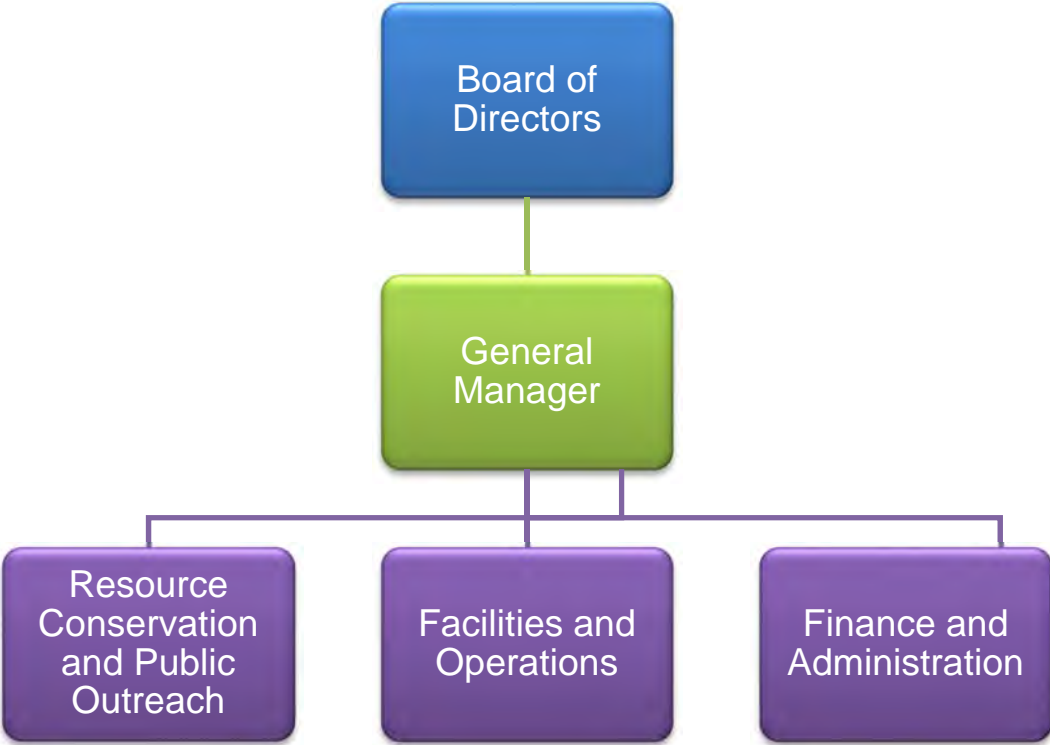
	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
BOARD EXPENSES							
6000 Directors' Fees	\$82,600	\$77,600	\$87,460	\$90,000	\$87,340	\$90,000	\$90,000
6005 Directors' Benefits	76,775	73,422	79,640	73,898	80,510	91,459	93,082
6005.1 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
PAYROLL EXPENSES							
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
OFFICE EQUIPMENT & POSTAGE							
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
PROFESSIONAL SERVICES							
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
RES CONSER/PUBLIC OUTREACH							
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
HUMAN RESOURCES							
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
OTHER G&A EXPENSES							
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
OPERATING EXPENSE							
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
MAINTENANCE EXPENSE							
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
INVENTORY EXPENSE							
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
GEN'L SPECIALTY EXPENSE							
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
TOTAL EXPENSES	\$13,544,734	\$12,906,123	\$13,947,701	\$16,512,143	\$15,118,811	\$17,743,374	\$17,945,509
ALLOCATED EXPENSES							
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)
TOTAL ALLOCATED EXPENSES	(\$13,544,734)	(\$12,906,123)	(\$13,947,701)	(\$16,512,143)	(\$15,118,811)	(\$17,743,374)	(\$17,945,509)

GENERAL MANAGER’S OFFICE

As the District’s chief executive officer, the General Manager implements policies adopted by the elected Board of Directors and oversees the business of the District. The General Manager provides leadership in the administration of District programs; ensures that District services meet the needs of customers; coordinates the effective use of facilities, finances and personnel to achieve District goals and objectives in the Strategic Plan; and keeps the Board fully informed. Three departments report directly to the General Manager.



Key Accomplishments from FY 2016-18

- Testimony at Congressional Infrastructure Hearing: the General Manager testified before the House Subcommittee on Water Resources and Environment on behalf of the California Association of Sanitation Agencies (CASA) and the Association of California Water Agencies (ACWA).
- Met with Members of Congress, their staff, and representatives of administrative agencies with responsibility for federal water policy.
- Worked with state lobbyists to address water-related issues.
- Worked with California Governor's Office on the development of long-term water conservation policy and legislation.
- Hosted a facilities tour for Southern California Director and Chief Consultant to Lieutenant Governor Gavin Newsom.
- Hosted a facilities tour for the Trade Officer for the Government of Israel, Economic Mission to the West Coast.
- Participated in the California Department of Water Resources (CADWR) initiatives.
- Developed and implemented an Employee Idea Program.
- Focused on succession planning with communication, lunch and learn event, and formation of a committee to address the topic.
- Presented to various local organizations on the importance of water recycling and the Pure Water Project Las Virgenes-Triunfo.

Notable Goals for FY 2018-20

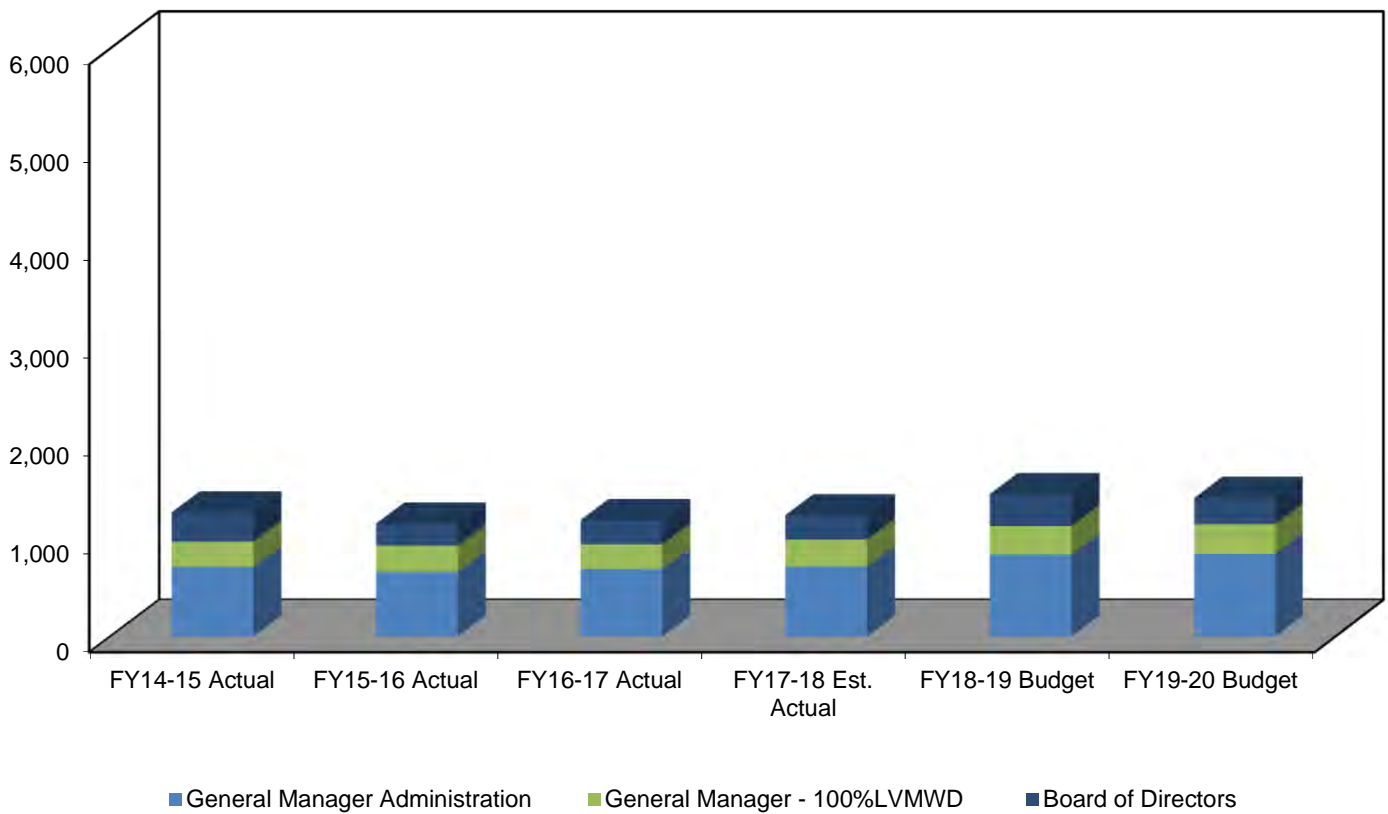
- Set a clear path forward for LVMWD, building on its mission and vision.
- Identify and address the opportunities, challenges and needed investments likely to arise during the next 20 years.
- Provide a high-level framework for making decision on the allocation of resources.
- Increase confidence among customers that LVMWD is prepared for the future.
- Establish service commitments for LVMWD's customers.
- Implement a standards-based approach to meet service commitments.
- Establish values for conducting LVMWD's business and interacting with others.
- Identify strategic objectives for action.





Las Virgenes Municipal Water District
Board of Directors and General Manager Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
General Manager Administration	714	664	693	719	840	846
General Manager - 100%LVMWD	262	271	255	277	295	309
Board of Directors	300	226	250	251	328	269
	1,276	1,161	1,198	1,247	1,463	1,424



**Las Virgenes Municipal Water District
Board of Directors and General Manager**

	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
BOARD EXPENSES							
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
PAYROLL EXPENSES							
6100 Staff Salaries	329,636	331,661	378,239	369,056	382,648	390,753	402,476
6105 Staff Benefits	141,760	71,649	85,256	141,141	126,229	159,060	162,845
6105.1 OPEB	10,512	13,363	12,782	6,897	7,757	27,377	27,377
6110 Staff Taxes	25,580	25,655	28,313	27,829	21,149	30,391	30,891
Sub-total	\$507,488	\$442,328	\$504,590	\$544,923	\$537,783	\$607,581	\$623,589
Net Payroll Expenses	\$507,488	\$442,328	\$504,590	\$544,923	\$537,783	\$607,581	\$623,589
OFFICE EQUIPMENT & POSTAGE							
6220 Outside Services	0	0	0	0	0	0	0
6235 Records Management	37,901	51,070	44,437	50,000	44,420	50,000	50,000
Sub-total	\$37,901	\$51,070	\$44,437	\$50,000	\$44,420	\$50,000	\$50,000
PROFESSIONAL SERVICES							
6500 Legal Services	84,000	84,000	84,000	84,000	84,014	88,200	88,200
6505 Legal Advertising	18,062	18,581	3,861	15,000	1,900	5,000	5,000
6516 Other Professional Services	17,082	39,401	12,226	34,000	14,230	44,235	34,235
Sub-total	\$119,144	\$141,982	\$100,087	\$133,000	\$100,144	\$137,435	\$127,435
HUMAN RESOURCES							
6812 Retired Employee Benefits	122,664	126,535	127,164	166,388	175,752	183,837	197,808
6815 Employee Recognition Function	4,124	472	3,584	5,000	4,000	5,000	5,000
6830 Training & Prof. Development	16,888	8,325	10,704	12,000	6,656	12,000	12,000
6872 Litigation - Outside Services	32,073	38,109	14,159	50,000	12,730	20,000	20,000
Sub-total	\$175,749	\$173,441	\$155,611	\$233,388	\$199,138	\$220,837	\$234,808
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	113,853	115,487	134,877	105,000	105,344	110,000	110,000
7110 Travel/Misc. Expenses	766	1,256	1,232	5,000	2,100	5,000	5,000
7135.2 Liability Insurance	29,791	25,217	23,739	25,500	21,199	21,835	22,490
7152 LAFCO Charges	18,501	24,631	22,050	21,000	20,367	22,000	22,000
Sub-total	\$162,911	\$166,591	\$181,898	\$156,500	\$149,010	\$158,835	\$159,490
OPERATING EXPENSE							
5400 Labor	16,576	534	313	0	3,463	0	0
5405.2 Utilities - Telephone	2,520	3,637	3,425	3,400	3,894	4,000	4,000
Sub-total	\$19,096	\$4,171	\$3,738	\$3,400	\$7,357	\$4,000	\$4,000
TOTAL EXPENSES	\$1,275,448	\$1,160,917	\$1,197,372	\$1,320,286	\$1,246,943	\$1,463,219	\$1,424,476
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED LEGAL EXPENSES	(\$32,073)	(\$38,109)	(\$14,159)	(\$50,000)	(\$12,730)	(\$20,000)	(\$20,000)
ALLOCATED INTERNAL G&A	(\$114,720)	(\$150,131)	(\$125,640)	(\$135,208)	(\$128,574)	(\$151,095)	(\$151,308)
ALLOCATED SUPPORT SERVICES(G&A)	(\$1,133,857)	(\$977,478)	(\$1,062,780)	(\$1,141,455)	(\$1,111,521)	(\$1,298,523)	(\$1,259,876)
ALLOCATED OPERATIONS SERVICES(G&A)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ALLOCATED EXPENSES	(\$1,275,448)	(\$1,160,917)	(\$1,197,372)	(\$1,320,286)	(\$1,246,943)	(\$1,463,219)	(\$1,424,476)

GENERAL MANAGER'S OFFICE

Administration – 701121

FUNCTION

To provide overall direction in the administration of District programs, develop policy in accordance with the Board's direction and maintain an open, positive relationship with the community.

OBJECTIVES

1. To manage the business of the District and provide service to its elected public Board of Directors.
2. To update the District's Action Plan.
3. To support District-wide library and records management programs.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
General Manager	1.0	1.0	1.0	1.0
Executive Assistant/Clerk of the Board	1.0	1.0	1.0	1.0
TOTAL	2.0	2.0	2.0	2.0

The personnel in this section also provide the labor for the General Manager – 100% LVMWD Section (701122).

SIGNIFICANT CHANGES

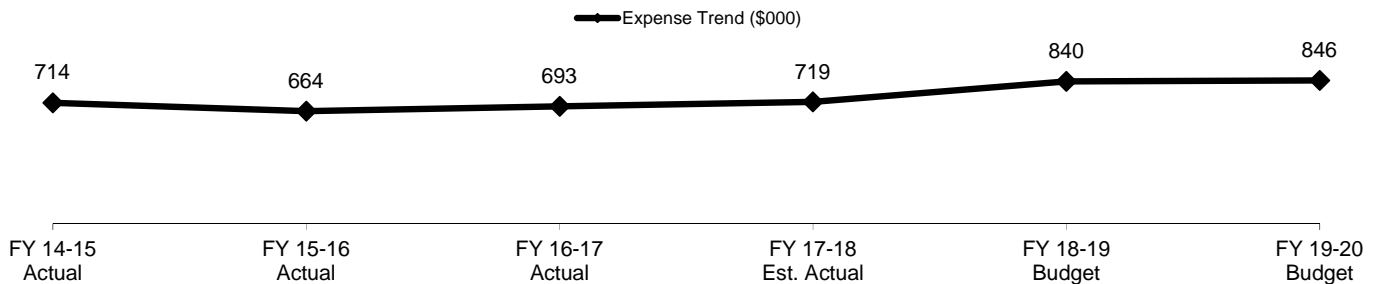
There are no significant changes budgeted for FY18-19 and FY19-20, which affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6235 Records Management – District-wide program (5 facilities), library, and off-site storage.
- 6500 Legal Services – Attorneys' retainer fee.
- 6505 Legal Advertising – Misc. notices, call for bids, etc. that are required to be published in the newspaper.
- 6516 Other Professional Services – For General Manager's assistance.
- 6815 Employee Recognition Function – District-wide recognition functions.
- 6830 Training & Professional Development – Training, conference and seminar costs for General Manager and staff.
- 6872 Litigation Outside Services – All litigation, settlements, attorney fees, court costs and legal costs for general litigation that are allocable to both LVMWD and the Joint Powers Authority.
- 7105 Dues, Subscriptions & Memberships – Funds for District-wide organization memberships, dues and subscriptions.
- 7110 Travel/Miscellaneous Staff Expense – Any costs incurred for indirect personnel expenses that are not associated with Training & Professional Development or that cannot be directly charged to an operations/maintenance business unit.

**Las Virgenes Municipal Water District
General Manager
Administration - 701121**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$329,636	\$331,661	\$378,239	\$369,056	\$382,648	\$390,753	\$402,476
6102 Staff Overtime	\$2,165	\$672	\$0	\$0	\$0	\$0	\$0
6105 Staff Benefits	141,760	71,649	85,256	141,141	126,229	159,060	162,845
6105.1 OPEB	10,512	13,363	12,782	6,897	7,757	27,377	27,377
6110 Staff Taxes	20,664	21,089	22,891	22,174	16,738	24,610	25,110
Sub-total	\$504,737	\$438,434	\$499,168	\$539,268	\$533,372	\$601,800	\$617,808
6115 Staff Costs Recovered	(\$692)	\$0	\$0	\$0	\$0	\$0	\$0
Net Payroll Expenses	\$504,045	\$438,434	\$499,168	\$539,268	\$533,372	\$601,800	\$617,808
OFFICE EQUIPMENT & POSTAGE							
6235 Records Management	37,901	51,070	44,437	50,000	44,420	50,000	50,000
Sub-total	\$37,901	\$51,070	\$44,437	\$50,000	\$44,420	\$50,000	\$50,000
PROFESSIONAL SERVICES							
6500 Legal Services	84,000	84,000	84,000	84,000	84,014	88,200	88,200
6505 Legal Advertising	6,199	10,479	1,341	5,000	1,400	3,000	3,000
6516 Other Professional Services	4,253	24,981	0	20,000	0	30,000	20,000
Sub-total	\$94,452	\$119,460	\$85,341	\$109,000	\$85,414	\$121,200	\$111,200
HUMAN RESOURCES							
6815 Employee Recognition Function	4,124	472	3,584	5,000	4,000	5,000	5,000
6830 Training & Prof. Development	16,888	8,325	10,704	12,000	6,656	12,000	12,000
Sub-total	\$21,012	\$8,797	\$14,288	\$17,000	\$10,656	\$17,000	\$17,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	38,890	44,137	47,959	45,000	39,517	45,000	45,000
7110 Travel/Misc. Expenses	766	1,256	1,232	5,000	2,100	5,000	5,000
Sub-total	\$39,656	\$45,393	\$49,191	\$50,000	\$41,617	\$50,000	\$50,000
OPERATING EXPENSE							
5400 Labor	16,576	534	313	0	3,463	0	0
Sub-total	\$16,576	\$534	\$313	\$0	\$3,463	\$0	\$0
TOTAL EXPENSES							
	\$713,642	\$663,688	\$692,738	\$765,268	\$718,942	\$840,000	\$846,008
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED INTERNAL G&A	(\$126,018)	(\$157,821)	(\$136,198)	(\$147,520)	(\$138,881)	(\$165,449)	(\$165,461)
ALLOCATED SUPPORT SERVICES	(\$592,826)	(\$510,668)	(\$561,747)	(\$624,125)	(\$585,943)	(\$680,950)	(\$687,255)



GENERAL MANAGER'S OFFICE

Administration (100% LVMWD) – 701122

FUNCTION

To accumulate those costs chargeable to the General Manager's Office that are 100% allocable to Las Virgenes Municipal Water District programs.

PERSONNEL

Personnel costs are budgeted in the Administrative Section (701121).

SIGNIFICANT CHANGES

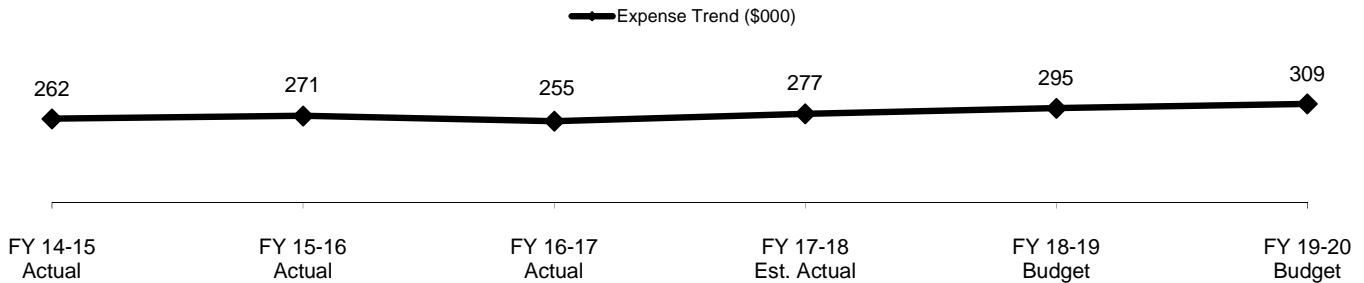
There are no significant changes budgeted for FY18-19 and FY19-20, which affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6505 Legal Advertising – Misc. notices, call for bids, etc. that are required to be published in the newspaper.
- 6812 Retired Employee Benefits – Separated from staff benefits; change in FY 2014-15 to improve transparency of costs of retired non-JPA staff.
- 6872 Litigation – Outside Services - All litigation, settlements, attorney fees, court costs and legal costs which are allocable 100% to Las Virgenes Municipal Water District.
- 7105 Dues, Subscriptions & Memberships - Dues and membership in ACWA, CASA, and POWER.
- 7152 LAFCO Charges – District's share of LAFCO operating expense, costs vary each year depending on LAFCO calculation.

**Las Virgenes Municipal Water District
General Manager
Administration (100% LVMWD) - 701122**

	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
PROFESSIONAL SERVICES							
6505 Legal Advertising	\$11,863	\$8,102	\$2,520	\$10,000	\$500	\$2,000	\$2,000
Sub-total	\$11,863	\$8,102	\$2,520	\$10,000	\$500	\$2,000	\$2,000
HUMAN RESOURCES							
6812 Retired Employee Benefits	122,664	126,535	127,164	166,388	175,752	183,837	197,808
6872 Litigation - Outside Services	32,073	38,109	14,159	50,000	12,730	20,000	20,000
Sub-total	\$154,737	\$164,644	\$141,323	\$216,388	\$188,482	\$203,837	\$217,808
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	74,963	71,350	86,918	60,000	65,827	65,000	65,000
7152 LAFCO Charges	18,501	24,631	22,050	21,000	20,367	22,000	22,000
Sub-total	\$93,464	\$95,981	\$108,968	\$81,000	\$86,194	\$87,000	\$87,000
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,708	2,412	1,924	2,000	2,224	2,300	2,300
Sub-total	\$1,708	\$2,412	\$1,924	\$2,000	\$2,224	\$2,300	\$2,300
TOTAL EXPENSES							
	\$261,772	\$271,139	\$254,735	\$309,388	\$277,400	\$295,137	\$309,108
ALLOCATED EXPENSES							
ALLOCATED LEGAL EXPENSES	(\$32,073)	(\$38,109)	(\$14,159)	(\$50,000)	(\$12,730)	(\$20,000)	(\$20,000)
ALLOCATED INTERNAL G&A	\$3,749	\$2,743	\$3,614	\$4,625	\$3,896	\$5,586	\$5,561
ALLOCATED SUPPORT SERVICES	(\$233,448)	(\$235,773)	(\$244,190)	(\$264,013)	(\$268,566)	(\$280,723)	(\$294,669)



BOARD OF DIRECTORS

100% LVMWD – 701112

FUNCTION

To provide policy direction to the administration of the District in order to promote the most cost effective, environmentally sensitive management of potable and recycled water and wastewater processes which will serve the best interests of the community and governmental agencies. The Board of Directors also has oversight responsibility for the financial audits of the District. These costs are accounted in the Finance and Administration Department.

DIRECTORS

President, MWD Representative	Glen Peterson	Division 2
Vice President	Charles Caspary	Division 1
Secretary	Jay Lewitt	Division 5
Treasurer	Lee Renger	Division 3
Director	Leonard Polan	Division 4

SIGNIFICANT CHANGES

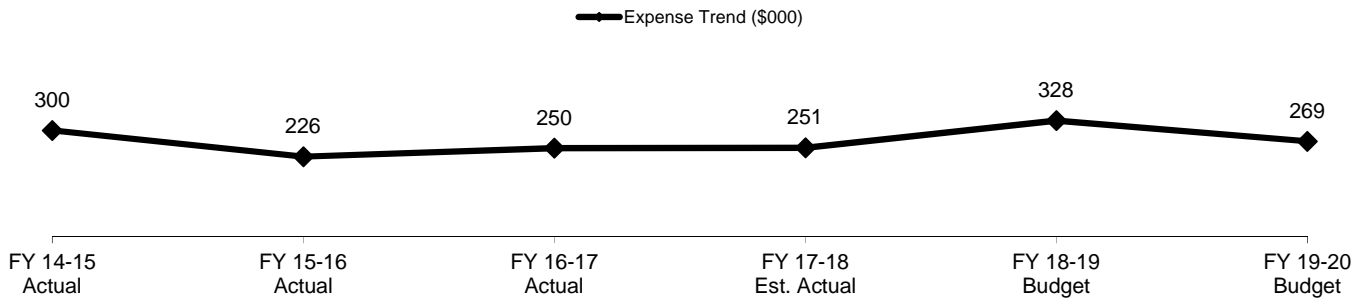
There are no significant changes budgeted for FY18-19 and FY19-20, which affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6000 Directors' Per Diem – Per Diem for days worked on behalf of LVMWD.
- 6005 Directors' Benefits – Retirement and medical/dental costs.
- 6010 Directors' Conference Expenses – Costs associated with conference attendance.
- 6015 Directors' Miscellaneous – Costs associated with various special meetings and study sessions.
- 6020 Election Expense – Actual cost is determined by County, based on number of elections held. Budget amount in FY 2018-19 due to anticipated November 2018 elections in Division 2, Division 3, and Division 5.
- 6516 Other Professional Services – Professional Services which do not benefit the Joint Powers Authority. Video recording of Board meetings by a third-party professional.
- 7135.2 Liability Insurance – Public Officials Liability insurance coverage.
- 5405.2 Telephone – Costs associated with fax machines.

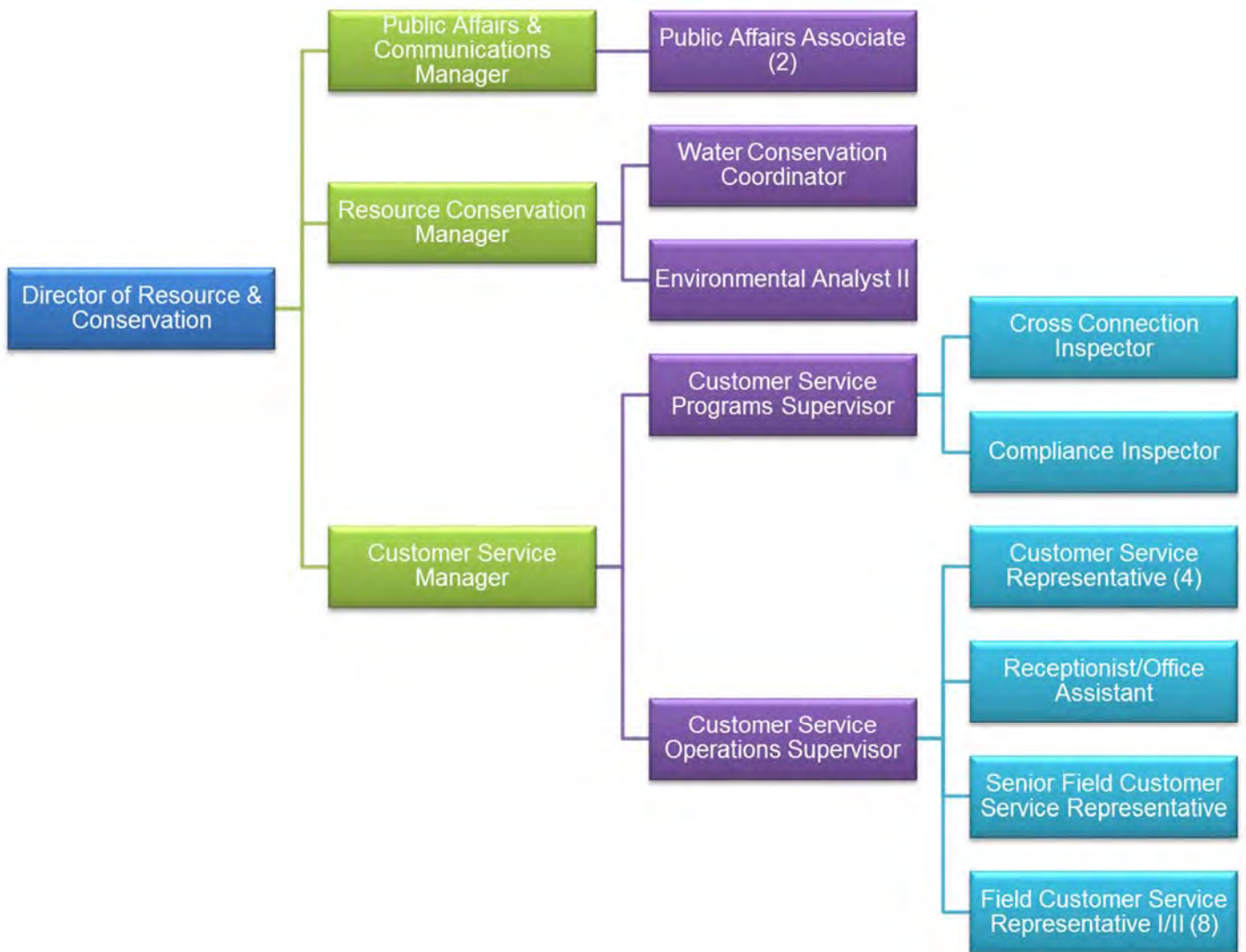
**Las Virgenes Municipal Water District
Board of Directors
100% LVMWD - 70112**

	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
BOARD EXPENSES							
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
PAYROLL EXPENSES							
6110 Staff Taxes	4,916	4,566	5,422	5,655	4,411	5,781	5,781
Sub-total	\$4,916	\$4,566	\$5,422	\$5,655	\$4,411	\$5,781	\$5,781
Net Payroll Expenses	\$4,916	\$4,566	\$5,422	\$5,655	\$4,411	\$5,781	\$5,781
PROFESSIONAL SERVICES							
6516 Other Professional Services	12,829	14,420	12,226	14,000	14,230	14,235	14,235
Sub-total	\$12,829	\$14,420	\$12,226	\$14,000	\$14,230	\$14,235	\$14,235
OTHER G&A EXPENSES							
7135.2 Liability Insurance	29,791	25,217	23,739	25,500	21,199	21,835	22,490
Sub-total	\$29,791	\$25,217	\$23,739	\$25,500	\$21,199	\$21,835	\$22,490
OPERATING EXPENSE							
5405.2 Utilities - Telephone	812	1,225	1,501	1,400	1,670	1,700	1,700
Sub-total	\$812	\$1,225	\$1,501	\$1,400	\$1,670	\$1,700	\$1,700
TOTAL EXPENSES	\$300,034	\$226,090	\$249,899	\$245,630	\$250,601	\$328,082	\$269,360
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	\$7,549	\$4,947	\$6,944	\$7,687	\$6,411	\$8,769	\$8,592
ALLOCATED SUPPORT SERVICES	(\$307,583)	(\$231,037)	(\$256,843)	(\$253,317)	(\$257,012)	(\$336,851)	(\$277,952)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

The Resource Conservation and Public Outreach Department is responsible for providing customer service, community outreach, legislative and regulatory monitoring and public information functions. The Department implements the District’s website, education, conservation and watershed stewardship programs.



Key Accomplishments from FY 2016-18

- Revamped the District Website
- Added the use of Instagram™, Next Door™, and Pinterest™ to outreach efforts via social media
- Continued efforts and educating customers in budget-based rates and water efficiency standards in person, by telephone, through social media, the website and other outlets including attendance and participation at special community events
- Continued with school education programs including the annual calendar art contest
- Conducted quarterly District and JPA facility tours for the general public as well as additional tours for school-aged children
- Implemented a successful program that gave away 347 rain barrels
- Completed Proposition 50 Grant Projects that provided rebates for high efficiency clothes washers, low-flow toilets and other water conservation measures
- Promoted the need to adjust irrigation systems throughout the year and the availability of rebates and educational material through BeWaterWise.com
- Actively participated in meetings and policy development discussions for the Governor's executive order to Make Conservation a California Way of Life
- Implemented InvoiceCloud™ to provide more options for customers to view and pay their monthly water and wastewater bills
- Monitored new legislation and sent letters of support or opposition in accordance with the Board-adopted Legislative Policy Principles
- Participated as a member of the Stakeholder Advisory Committee, representing water agencies for the County of Los Angeles' Safe, Clean Water Program, aimed to achieve MS4 stormwater permit compliance among other objectives
- Completed a research project in partnership with Pepperdine University to address the impact and control of invasive species on the benthic communities in Malibu Creek
- Organized and hosted meetings for the Santa Monica Mountains Technical Advisory Committee, which included discussions on Malibu Creek Watershed issues

Notable Goals for FY 2018-20

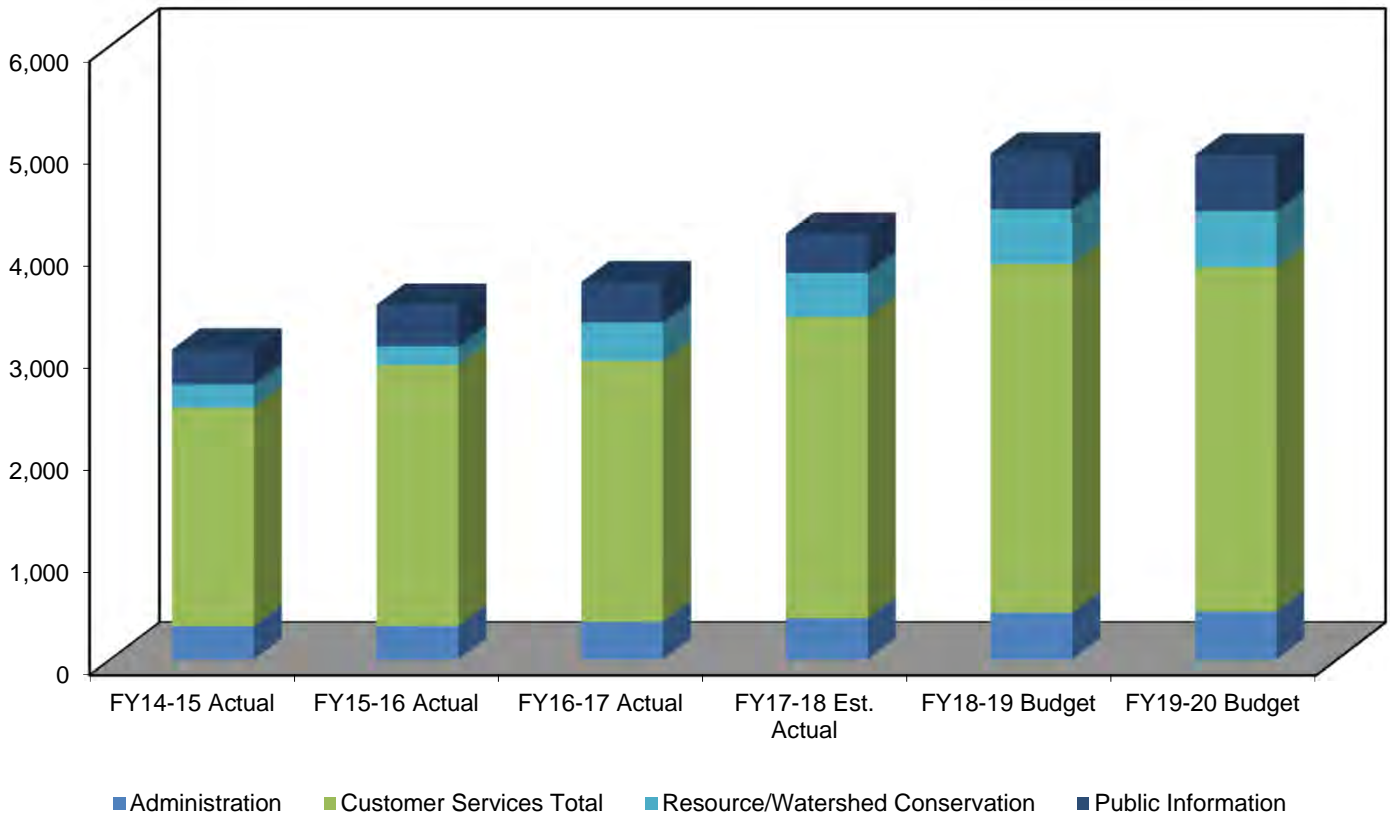
- Take the lead in public education and outreach efforts for the Pure Water Project Las Virgenes – Triunfo and obtain a 75% approval for the project by July 1, 2020
- Develop and launch a subwebsite dedicated to the Pure Water Project Las Virgenes – Triunfo
- Enhance outreach efforts utilizing social media and increase followers/engagement by introducing short, informative and amusing video clips
- Continue to build and maintain relationships with city and county government officials within the service area, as well as state legislatures and their staff
- Attend community events to the greatest extent practical

- Continue school education programs focused on conservation and environmental stewardship in addition to adult education opportunities (i.e. landscaping and gardening classes)
- Meet all water conservation/efficiency targets including the State mandated 20 percent reduction by 2020 requirement through enhanced education and outreach efforts, one-on-one consultations with customers, refinements to increase the accuracy of water budgets, and a Weather Based Irrigation Controller and Rain Barrel giveaway program
- Install a new AMR/AMI (Advanced Metering Infrastructure) system and acquire at least 70% coverage by July 1, 2020 (no more than 30% with AMR/drive-by data acquisition)
- Implement a new customer interface platform that will allow customers to monitor their daily water use, receive automatic leak detection alerts and water shutdown notifications, and other benefits
- Increase one-on-one customer engagement to facilitate efforts in reducing excessive water use
- Complete upgrade of the Customer Interface System (CIS) software to version 4 and implement best practices for billing and collections
- Compile and distribute a customer satisfaction survey by July 1, 2020
- Continue to monitor legislation; advocate for any legislation that could provide funding assistance for the Pure Water Project Las Virgenes – Triunfo and oppose legislation in accordance with the Board adopted Legislative Policy Principles
- Continue with efforts to investigate and evaluate sources of chloride in the JPA’s recycled water to support a Basin Plan Amendment for discharges to the Los Angeles River
- Closely monitor and participate in MS4 permit activities
- Organize and host a customer recognition event that raises awareness for water and the environment in our service area
- Build a Demonstration Garden at the District Headquarters Facility



Las Virgenes Municipal Water District
Resource Conservation and Public Outreach Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Administration	326	328	369	402	458	470
Customer Service Administration	276	332	217	233	288	295
Customer Svc. Operations	1,061	1,094	1,253	1,530	1,779	1,808
Meter Service	572	897	851	925	1,044	957
Customer Service Programs	226	226	228	258	298	306
Customer Services Total	2,135	2,549	2,549	2,946	3,409	3,366
Resource/Watershed Conservatio	228	186	377	430	533	548
Public Information	342	406	394	385	544	550
	3,031	3,469	3,689	4,163	4,944	4,934



**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$2,039,588	\$2,181,779	\$2,256,212	\$2,524,829	\$2,300,581	\$2,583,541	\$2,657,702
6102 Staff Overtime	45,695	78,114	57,466	43,084	74,030	42,320	43,590
6105 Staff Benefits	757,889	495,039	711,252	1,056,610	916,156	1,164,690	1,192,009
6105.1 OPEB	109,436	137,192	149,656	79,445	109,785	315,341	315,341
6110 Staff Taxes	164,917	182,508	194,109	207,788	211,375	218,354	223,662
Sub-total	\$3,117,525	\$3,074,632	\$3,368,695	\$3,911,756	\$3,611,927	\$4,324,246	\$4,432,304
6115 Staff Costs Recovered	(1,224,658)	(1,334,763)	(1,219,804)	(1,394,019)	(1,184,161)	(1,430,455)	(1,465,321)
Net Payroll Expenses	\$1,892,867	\$1,739,869	\$2,148,891	\$2,517,737	\$2,427,766	\$2,893,791	\$2,966,983
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	15,124	26,320	10,484	60,700	6,650	15,750	15,750
6210 Equipment Repairs	0	0	0	500	500	500	500
6215 Equipment Maintenance	820	289	1,418	1,500	1,500	1,500	1,500
6220 Outside Services	139,664	326,469	235,665	335,500	360,250	465,500	465,500
6230 Safety Equipment	1,638	2,893	4,310	2,250	2,250	2,250	2,250
Sub-total	\$157,246	\$355,971	\$251,877	\$400,450	\$371,150	\$485,500	\$485,500
PROFESSIONAL SERVICES							
6516 Other Professional Services	79,003	48,675	733	45,000	0	0	0
Sub-total	\$79,003	\$48,675	\$733	\$45,000	\$0	\$0	\$0
RES CONSER/PUBLIC OUTREACH							
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
HUMAN RESOURCES							
6830 Training & Prof. Development	20,072	19,909	30,170	37,500	33,900	45,000	47,000
Sub-total	\$20,072	\$19,909	\$30,170	\$37,500	\$33,900	\$45,000	\$47,000
OTHER G&A EXPENSES							
7100 Provision for Uncollectible Accts	41,161	15,506	35,797	50,000	46,000	50,000	50,000
7105 Dues/Subscriptions/Memberships	805	801	600	1,600	100	700	700
7110 Travel/Misc. Expenses	368	111	375	250	300	5,550	5,530
Sub-total	\$42,334	\$16,418	\$36,772	\$51,850	\$46,400	\$56,250	\$56,230
OPERATING EXPENSE							
5400 Labor	250,036	399,154	371,628	358,593	321,651	415,761	424,982
5405.2 Utilities - Telephone	18,663	10,295	9,330	13,420	8,116	11,140	11,140
5415 Outside Services	78,834	171,825	191,407	200,000	196,000	200,000	100,000
Sub-total	\$347,533	\$581,274	\$572,365	\$572,013	\$525,767	\$626,901	\$536,122
MAINTENANCE EXPENSE							
5500 Labor	219,363	208,588	231,847	297,452	247,920	264,644	270,715
5510 Supplies/Materials	74,974	188,917	142,820	350,000	200,000	200,000	200,000
5515 Outside Services	13,508	505	1,630	50,000	46,000	50,000	50,000
Sub-total	\$307,845	\$398,010	\$376,297	\$697,452	\$493,920	\$514,644	\$520,715
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	4,086	19,674	2,862	6,500	5,000	8,000	7,000
Sub-total	\$4,086	\$19,674	\$2,862	\$6,500	\$5,000	\$8,000	\$7,000
TOTAL EXPENSES	\$3,029,773	\$3,469,315	\$3,689,512	\$4,577,599	\$4,162,490	\$4,943,542	\$4,934,128
ALLOCATED EXPENSES							
ALLOCATED TECHNICAL SERVICES	\$81,116	\$78,720	\$89,542	\$93,077	\$105,433	\$102,989	\$106,665
ALLOCATED CUSTOMER INFO SYSTEMS	\$295,787	\$266,463	\$275,293	\$299,783	\$323,804	\$328,248	\$345,854
ALLOCATED VEHICLE EXPENSES	\$83,231	\$76,218	\$82,660	\$101,232	\$93,382	\$101,588	\$106,490
ALLOCATED INTERNAL G&A	\$239,294	\$48,117	\$209,598	\$337,643	\$186,659	\$277,105	\$284,608
ALLOCATED SUPPORT SERVICES(G&A)	(\$447,318)	(\$466,264)	(\$505,059)	(\$619,722)	(\$528,807)	(\$665,893)	(\$677,563)
ALLOCATED OPERATIONS SERVICES(G&A)	(\$3,281,883)	(\$3,472,569)	(\$3,841,546)	(\$4,789,612)	(\$4,342,960)	(\$5,087,579)	(\$5,100,183)
TOTAL ALLOCATED EXPENSES	(\$3,029,773)	(\$3,469,315)	(\$3,689,512)	(\$4,577,599)	(\$4,162,490)	(\$4,943,542)	(\$4,934,128)

RESOURCE CONSERVATION AND PUBLIC OUTREACH

Administration – 701210

FUNCTION

To provide leadership and direction to ensure an effective, customer service, community outreach, public information, media relations, school and public education programs, legislative and regulatory monitoring, planning, conservation, cross-connection control, and watershed activities on behalf of the District.

OBJECTIVES

1. Support the District's stewardship commitment and leadership role within the Malibu Creek Watershed and Southern California environmental community.
2. Lead community outreach, stakeholder engagement, media relations and customer education, to build understanding and support of District operations and strategic direction.
3. Develop and lead strategies that build and enhance partnerships and accord with local governmental agencies, homeowner associations, business groups, NGOs and community leaders.
4. Promote customer engagement in water budgets as a key strategy for 20x2020 compliance.
5. Track legislative and regulatory developments at the Federal, State and local levels, for potential impacts for the district. Provide commentary and advocacy of Board issues and positions, on behalf of the district and its customers.
6. Manage the District library and coordinate District-wide memberships, sponsorships, and subscriptions.
7. Represent the District in state and national forums of water, wastewater, water science and water recycling professionals.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Director of Resource Conservation and Public Outreach	1.0	1.0	1.0	1.0
Secretary	1.0	1.0	1.0	1.0
TOTAL	2.0	2.0	2.0	2.0

SIGNIFICANT CHANGES

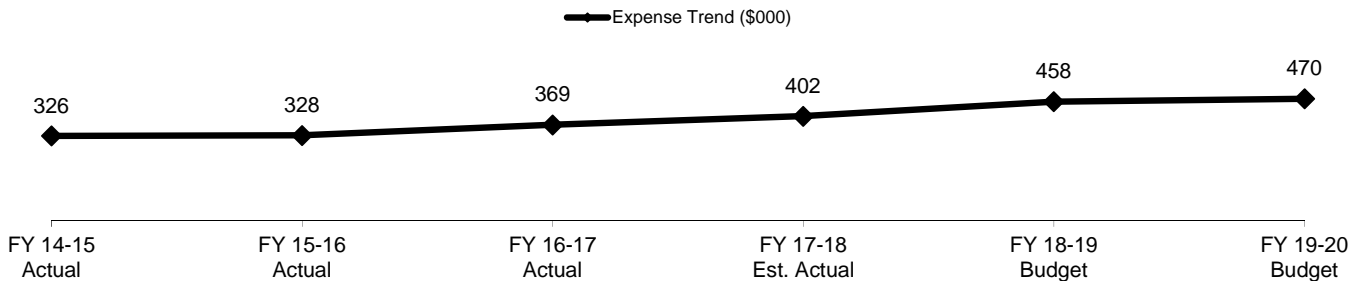
No significant changes are budgeted for FY18-19 or for FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

6830 Training and Professional Development – Includes District share of expenses for staff participation on AWWA Council, ACWA and CASA.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Administration - 701210**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$260,586	\$272,179	\$276,522	\$289,733	\$268,953	\$302,147	\$310,671
6102 Staff Overtime	505	0	0	1,250	0	0	0
6105 Staff Benefits	89,936	40,513	57,741	100,773	92,052	108,040	110,757
6105.1 OPEB	8,118	10,089	10,532	5,574	7,757	22,126	22,126
6110 Staff Taxes	16,154	16,934	17,960	18,235	31,017	20,655	20,989
Sub-total	\$375,299	\$339,715	\$362,755	\$415,565	\$399,779	\$452,968	\$464,543
6115 Staff Costs Recovered	(51,628)	(15,525)	(313)	(12,727)	(717)	(182)	(187)
Net Payroll Expenses	\$323,671	\$324,190	\$362,442	\$402,838	\$399,062	\$452,786	\$464,356
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	0	15	2	0	0	0	0
Sub-total	\$0	\$15	\$2	\$0	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	80	1,896	4,070	3,000	2,000	2,000	2,000
Sub-total	\$80	\$1,896	\$4,070	\$3,000	\$2,000	\$2,000	\$2,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	500	500	500	100	100	200	200
7110 Travel/Misc. Expenses	268	111	355	250	250	2,450	2,430
Sub-total	\$768	\$611	\$855	\$350	\$350	\$2,650	\$2,630
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,191	1,361	1,432	1,700	800	800	800
Sub-total	\$1,191	\$1,361	\$1,432	\$1,700	\$800	\$800	\$800
TOTAL EXPENSES							
	\$325,710	\$328,073	\$368,801	\$407,888	\$402,212	\$458,236	\$469,786
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$121,987)	(\$126,039)	(\$136,352)	(\$154,309)	(\$142,321)	(\$164,372)	(\$168,598)
ALLOCATED SUPPORT SERVICES	(\$203,723)	(\$202,034)	(\$232,449)	(\$253,579)	(\$259,891)	(\$293,864)	(\$301,188)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Customer Service Administration – 701220

FUNCTION

To plan and coordinate field and office customer service and water surveillance functions. Design and implement programs and services to further customer service and conservation goals and objectives, and provide administrative assistance to the department head.

OBJECTIVES

1. Manage projects and initiatives to assess customer service work processes and identify process improvements, including technology based enhancements to work management, routing, billing, customer information systems and automated meter reading.
2. Manage refinement of customer data for the budget-based water rate structure.
3. Manage the AMR/AMI Implementation Program.
4. Provide assistance and support in the immediate and long term water supply situation both regionally and statewide by putting emphasis on customer contacts, communications, and sustainable conservation.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Customer Service Manager	1.0	1.0	1.0	1.0
TOTAL	1.0	1.0	1.0	1.0

SIGNIFICANT CHANGES

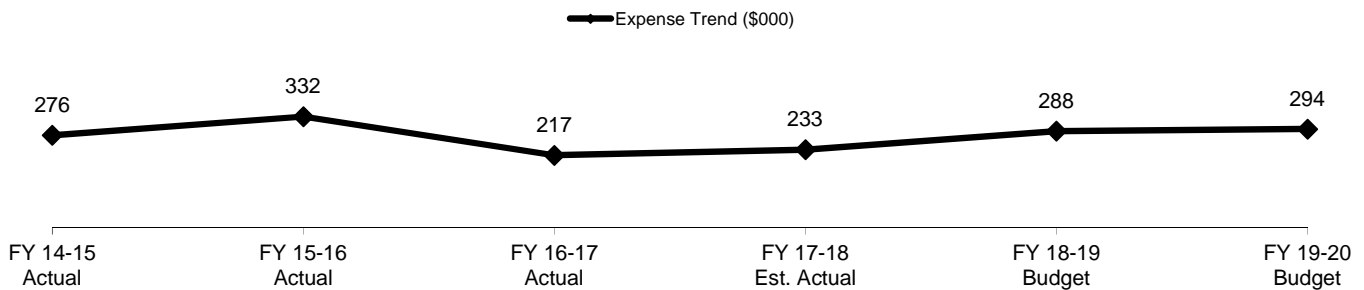
No significant changes are budgeted for FY18-19 or for FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6220 Outside Services – Funds for the implementation of enhanced customer products such as consolidated billing, third party notification, and upfront screening of customer applications to prevent fraud and increased uncollectible. This account also funds the hiring of temporary staff and/or intern(s) to assist with determination and/or verification of irrigated area information.
- 6830 Training/Professional Development in connection with customer service week, CIS Conference, CWEA, AWWA, and miscellaneous training.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Customer Service Administration - 701220**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$143,436	\$147,674	\$122,091	\$152,239	\$131,162	\$153,668	\$158,278
6102 Staff Overtime	0	0	0	0	0	0	0
6105 Staff Benefits	34,953	10,390	62,138	43,349	51,843	46,849	48,118
6105.1 OPEB	1,769	2,269	2,224	1,179	1,636	4,680	4,680
6110 Staff Taxes	10,227	11,035	11,129	10,682	10,903	11,511	11,617
Sub-total	\$190,385	\$171,368	\$197,582	\$207,449	\$195,544	\$216,708	\$222,693
6115 Staff Costs Recovered	0	0	0	0	0	0	0
Net Payroll Expenses	\$190,385	\$171,368	\$197,582	\$207,449	\$195,544	\$216,708	\$222,693
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	389	2,958	0	200	100	200	200
6220 Outside Services	4,573	89,759	0	50,000	20,000	50,000	50,000
Sub-total	\$4,962	\$92,717	\$0	\$50,200	\$20,100	\$50,200	\$50,200
PROFESSIONAL SERVICES							
6516 Other Professional Services	78,924	46,575	0	45,000	0	0	0
Sub-total	\$78,924	\$46,575	\$0	\$45,000	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	1,554	2,207	1,497	3,000	3,000	5,000	5,000
Sub-total	\$1,554	\$2,207	\$1,497	\$3,000	\$3,000	\$5,000	\$5,000
OPERATING EXPENSE							
5400 Labor	0	18,876	17,200	17,065	14,000	16,085	16,085
5405.2 Utilities - Telephone	207	220	293	300	500	500	500
Sub-total	\$207	\$19,096	\$17,493	\$17,365	\$14,500	\$16,585	\$16,585
TOTAL EXPENSES	\$276,032	\$331,963	\$216,572	\$323,014	\$233,144	\$288,493	\$294,478
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$276,032)	(\$331,963)	(\$216,572)	(\$323,014)	(\$233,144)	(\$288,493)	(\$294,478)
ALLOCATED OPERATIONS SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Customer Service Operations – 701221

FUNCTION

Provide exceptional customer service within our District by efficiently answering telephone calls and offering effective resolution to customer issues and concerns. Bill customers for District services and process payments. Process requests to initiate and end service, ensuring all customer orders are completed and satisfactorily resolved. Provide emergency notifications to customers when required.

OBJECTIVES

1. Enhance use of the Customer Service Information and Billing system to provide enhanced automated services such as e-billing, on-line payment options, and water usage data.
2. Strengthen delivery and efficiency of Customer Service through process improvements for better coordination between office and field functions, as well as other District units, and providing training for staff.
3. Utilize the District's CIS Collection Process, handling of bad debt accounts, and sign-in of new customers.
4. Inform and educate customers on issues of importance using Customer Welcome Packets, Water-Use Surveys and coordination with Public Outreach staff.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Customer Service Operations Supervisor	1.0	1.0	1.0	1.0
Customer Service Representative	4.0	4.0	4.0	4.0
Receptionist/Office Assistant	1.0	1.0	1.0	1.0
Senior Field Customer Service Representative	1.0	1.0	1.0	1.0
Field Customer Service Representative I, II	8.0	7.0	8.0	8.0
TOTAL	15.0	14.0	15.0	15.0

SIGNIFICANT CHANGES

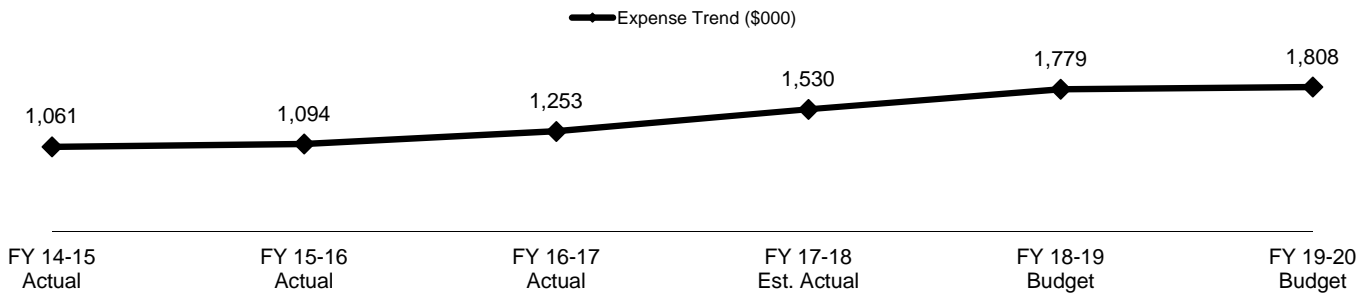
Costs for forms, supplies and postage are being shifted to outside services. There are additional costs budgeted for Billing Services, Lockbox, Invoice Cloud, and collection services.

LINE ITEM EXPLANATIONS

- 5400 Labor – Charges for other divisions who provide assistance for coverage in Customer Service, including the cost of standby calls charged to this account by other units.
- 6200 Forms, Supplies and Postage – Includes bill stock, overdue and disconnection notices, Welcome Packets, Water Survey Packets, Customer Service Satisfaction Surveys, and miscellaneous customer notifications, supplies related to the remittance processor and banking.
- 6215 Equipment Maintenance – Yearly maintenance contracts for equipment used in bill and remittance processing, time stamps and other customer service functions.
- 6220 Outside Services – Annual contract to fold, stuff, post and mail bills and delinquent notices, as well as customer newsletters and notifications at the current unit cost. Yearly cost of contract services and online subscriptions used to locate, identify and collect on bad debt accounts. Broadcast notification through an outside vendor to provide immediate notification of emergency situations for either district customers or staff. Monthly cost for providing online billing and payment options.
- 6830 Training and Professional Development – Attendance at training courses including preparation for Backflow Certification training and/or professional meetings and for attendance of staff at CIS User Conference.
- 7100 Provision for Uncollectible Accts – Annual expense associated with maintaining an appropriate Reserve for uncollectible Accounts Receivable.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Customer Service Operations- 701221**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$804,370	\$934,177	\$916,632	\$1,073,668	\$955,651	\$1,052,198	\$1,081,459
6102 Staff Overtime	29,925	58,822	51,559	26,645	64,430	24,984	25,734
6105 Staff Benefits	371,071	267,618	332,930	511,468	440,221	531,954	543,788
6105.1 OPEB	64,527	75,816	85,662	45,482	63,180	167,686	167,686
6110 Staff Taxes	70,840	83,702	84,738	93,560	85,355	92,297	94,869
Sub-total	\$1,340,733	\$1,420,135	\$1,471,521	\$1,750,823	\$1,608,837	\$1,869,119	\$1,913,536
6115 Staff Costs Recovered	(541,686)	(688,645)	(590,910)	(660,230)	(565,906)	(672,236)	(687,634)
Net Payroll Expenses	\$799,047	\$731,490	\$880,611	\$1,090,593	\$1,042,931	\$1,196,883	\$1,225,902
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	13,237	23,330	10,165	60,000	6,000	15,000	15,000
6210 Equipment Repairs	0	0	0	500	500	500	500
6215 Equipment Maintenance	820	289	1,418	1,500	1,500	1,500	1,500
6220 Outside Services	134,935	236,485	235,431	285,000	340,000	415,000	415,000
6230 Safety Equip	1,444	2,382	3,591	2,000	2,000	2,000	2,000
Sub-total	\$150,436	\$262,486	\$250,605	\$349,000	\$350,000	\$434,000	\$434,000
HUMAN RESOURCES							
6830 Training & Prof. Development	7,179	6,568	7,634	15,000	11,000	15,000	15,000
Sub-total	\$7,179	\$6,568	\$7,634	\$15,000	\$11,000	\$15,000	\$15,000
OTHER G&A EXPENSES							
7100 Provision for Uncollectible Accts	41,161	15,506	35,797	50,000	46,000	50,000	50,000
Sub-total	\$41,161	\$15,506	\$35,797	\$50,000	\$46,050	\$50,100	\$50,100
OPERATING EXPENSE							
5400 Labor	45,926	51,649	71,456	29,815	72,542	70,628	72,309
5405.2 Telephone	14,240	6,824	5,268	8,500	4,000	7,000	7,000
Sub-total	\$60,166	\$58,473	\$76,724	\$38,315	\$76,542	\$77,628	\$79,309
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	3,109	19,604	1,497	2,500	3,000	5,000	4,000
Sub-total	3,109	19,604	1,497	2,500	3,000	5,000	4,000
TOTAL EXPENSES	\$1,061,098	\$1,094,127	\$1,252,868	\$1,545,408	\$1,529,523	\$1,778,611	\$1,808,311
ALLOCATED EXPENSES							
ALLOCATED TECHNICAL SERVICES	\$81,116	\$78,720	\$89,542	\$93,077	\$105,433	\$102,989	\$106,665
ALLOCATED CUSTOMER INFO SYSTEMS	\$295,787	\$266,463	\$275,293	\$299,783	\$323,804	\$328,248	\$345,854
ALLOCATED VEHICLE EXPENSES	\$67,625	\$61,915	\$67,148	\$82,234	\$75,858	\$82,524	\$86,506
ALLOCATED INTERNAL G&A	\$399,222	\$348,712	\$332,883	\$493,588	\$283,718	\$412,364	\$419,094
ALLOCATED OPERATIONS SERVICES	(\$1,904,848)	(\$1,849,937)	(\$2,017,734)	(\$2,514,090)	(\$2,318,336)	(\$2,704,736)	(\$2,766,430)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Meter Service – 701224

FUNCTION

To obtain accurate meter readings from all meters in the District, verify proper operation and maintain all meters and appurtenances.

OBJECTIVES

1. Maintain all meters and small regulators to ensure proper operation.
2. To enhance meter reading efficiency.
3. To work with Office Customer Service staff to strengthen coordination in resolving customer issues.

PERSONNEL

Personnel costs are budgeted in the Customer Service Operations unit. Through the payroll process, staff charges time worked on meter reading to the 5400-Labor account number or time worked on meter maintenance to the 5500-Labor account, as applicable.

SIGNIFICANT CHANGES

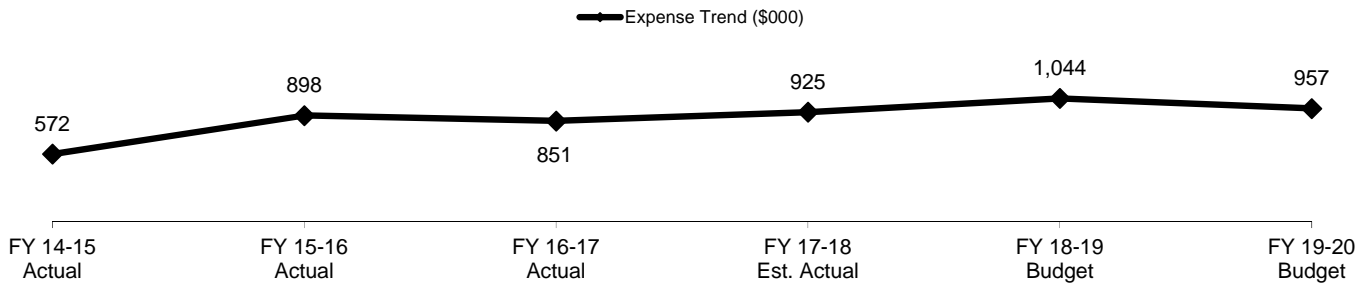
There are reduced costs for the purchase of meters under the regular replacement program due to the deployment of AMR/AMI.

LINE ITEM EXPLANATIONS

- 5400 Labor – This account is used to accumulate labor costs associated with meter reading.
- 5415 Outside Services – Cost of contracted meter reading services for monthly billing while AMI implementation is being evaluated. The budget for FY19-20 assumes that outside meter reading services will only be required in the first six months.
- 5500 Labor – This account is used to accumulate labor costs to maintain a reliable meter infrastructure for the district through activities such as the meter reading, meter box replacement and vault inspection program.
- 5510 Supplies/Materials – This account covers purchase of supplies which include parts for incidental repairs of meter and vault services, including meter boxes, ball valves, and pressure regulators from 1" thru 2". 500 pressure regulators per year are part of the regulator inspection program. Meter purchases for change program are included in the CIP, cost to purchase meters for replacing damaged, non-functional, etc. are charged to this account. Also funds the replacement of antiquated manual meter reading handhelds which will serve as backup for the AMI system in the future. The budget amounts assume minimal meter replacements in both fiscal years with AMR/AMI deployment completed by the end of year 2.
- 5515 Outside Services – Funds to hire a contractor to assist in the repairs of vault lids which could include painting, welding or fabrication to bring to OSHA standards, and painting of above ground meters. This account will also cover the testing and replacement process for larger meters.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Meter Service - 701224**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSE							
5400 Labor	\$184,957	\$327,752	\$282,972	\$298,761	\$235,109	\$329,048	\$336,588
5415 Outside Services	\$78,834	\$171,825	\$191,407	\$200,000	\$196,000	\$200,000	\$100,000
Sub-total	\$263,791	\$499,577	\$474,379	\$498,761	\$431,109	\$529,048	\$436,588
MAINTENANCE EXPENSE							
5500 Labor	219,363	208,588	231,847	297,452	247,920	264,644	270,715
5510 Supplies/Materials	74,974	188,917	142,820	350,000	200,000	200,000	200,000
5515 Outside Services	13,508	505	1,630	50,000	46,000	50,000	50,000
Sub-total	\$307,845	\$398,010	\$376,297	\$697,452	\$493,920	\$514,644	\$520,715
TOTAL EXPENSES	\$571,636	\$897,587	\$850,676	\$1,196,213	\$925,029	\$1,043,692	\$957,303
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	\$111,020	\$87,745	\$116,610	\$178,229	\$126,526	\$159,203	\$163,803
ALLOCATED OPERATIONS SERVICES	(\$682,656)	(\$985,332)	(\$967,286)	(\$1,374,442)	(\$1,051,555)	(\$1,202,895)	(\$1,121,106)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Customer Service Programs – 701226

FUNCTION

To provide project management for a variety of programs that directly relate to customer service functions, District compliance requirements, and analytical responsibilities for data supporting customer service. This would include Backflow Prevention, coordination of the AMR/AMI Implementation Program, emergency and scheduled shutdown coordination, support of the District CIS program, data collection, and analysis of customer service functions.

OBJECTIVES

1. Maintain and test backflow prevention throughout the district.
2. Support and provide assistance with the project of selecting an AMI/AMR system.
3. Utilize and improve customer service using the CIS system and new technology.
4. Assist in identifying potential and required changes to business/operations practices and procedures, assists in analyzing and determining how existing jobs and workflow will change, define strategies for transition from old to new procedures, advise and assist personnel in the transition to new software applications or procedures.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Customer Service Programs Supervisor	1.0	1.0	1.0	1.0
Compliance Inspector	1.0	1.0	1.0	1.0
Cross Connection Inspector	1.0	1.0	1.0	1.0
TOTAL	3.0	3.0	3.0	3.0

SIGNIFICANT CHANGES

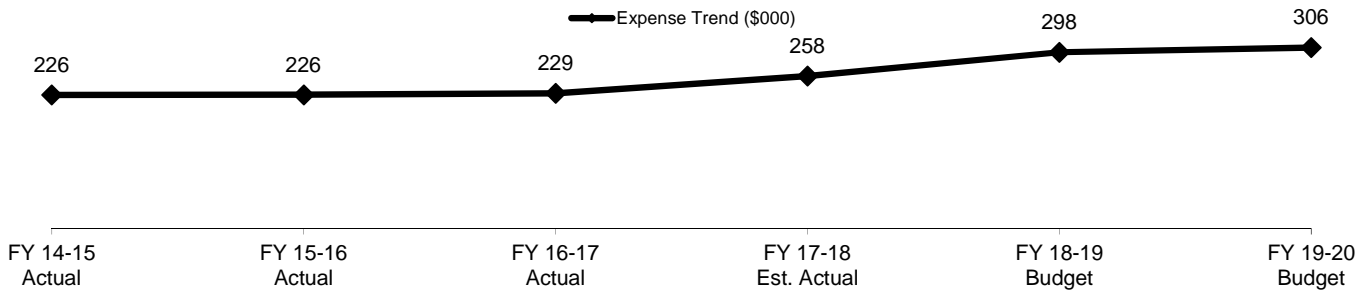
No significant changes are budgeted for FY18-19 or for FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 5725 Small Tools and Supplies – Funds for purchase of replacement tools used for the repair of backflow prevention assemblies owned by the district.
- 6220 Outside Services - Cost to annually calibrate equipment used to test backflow prevention assemblies.
- 6830 Training and Professional Development – Attendance at training courses/professional meetings.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Customer Service Programs - 701226**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$246,734	\$275,674	\$276,887	\$283,412	\$283,972	\$286,044	\$294,604
6102 Staff Overtime	6,995	10,815	5,014	7,794	8,655	7,859	8,095
6105 Staff Benefits	81,656	49,801	72,801	112,470	94,529	123,781	126,754
6105.1 OPEB	10,199	12,365	14,925	7,972	11,028	31,645	31,645
6110 Staff Taxes	21,230	24,770	24,933	27,314	25,012	28,363	29,212
Sub-total	\$366,814	\$373,425	\$394,560	\$438,962	\$423,196	\$477,692	\$490,310
6115 Staff Costs Recovered	(162,408)	(149,101)	(169,454)	(236,660)	(169,289)	(185,411)	(190,296)
Net Payroll Expenses	\$204,406	\$224,324	\$225,106	\$202,302	\$253,907	\$292,281	\$300,014
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	0	0	0	0	250	250	250
6220 Outside Services	156	225	234	500	250	500	500
6230 Safety Equip	194	292	719	250	250	250	250
Sub-total	\$350	\$517	\$953	\$750	\$750	\$1,000	\$1,000
HUMAN RESOURCES							
6830 Training & Prof. Development	0	150	0	1,000	0	1,000	1,000
Sub-total	\$0	\$150	\$0	\$1,000	\$0	\$1,000	\$1,000
OPERATING EXPENSE							
5400 Labor	19,153	0	0	12,952	0	0	0
5405.2 Utilities - Telephone	777	838	1,114	1,000	1,000	1,000	1,000
Sub-total	\$19,930	\$838	\$1,114	\$13,952	\$1,000	\$1,000	\$1,000
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	977	70	1,365	4,000	2,000	3,000	3,000
Sub-total	\$977	\$70	\$1,365	\$4,000	\$2,000	\$3,000	\$3,000
TOTAL EXPENSES	\$225,663	\$225,899	\$228,538	\$222,004	\$257,657	\$298,281	\$306,014
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$10,404	\$9,502	\$10,305	\$12,621	\$11,642	\$12,665	\$13,276
ALLOCATED INTERNAL G&A	\$127,136	\$133,647	\$114,358	\$146,321	\$127,227	\$157,224	\$161,013
ALLOCATED OPERATIONS SERVICES	(\$363,203)	(\$369,048)	(\$353,201)	(\$380,946)	(\$396,526)	(\$468,170)	(\$480,303)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Resource/Watershed Conservation – 701223

FUNCTION

The Resource Conservation Unit has three primary functions: (1) to develop and implement programs that help customers use water efficiently; (2) to advance the district's watershed stewardship mission; and (3) to manage the effluent disposal program at the Rancho Las Virgenes sprayfields. The unit also provides scientific review and strategic analysis to support scientifically-based watershed management and regulatory compliance.

OBJECTIVES

1. Support District efforts to improve the health of the watershed that is compatible with the goal of the nutrient TMDL.
2. Partner with other public agencies and community-based organizations to advance watershed stewardship.
3. Create and implement progressive, effective conservation programs to meet IRP and UWMP targets.
4. Provide scientific analysis and strategic guidance for district operations, programs and projects.
5. Ensure district spray fields are responsibly managed to comply with regulatory requirements.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Resource Conservation Manager	1.0	1.0	1.0	1.0
Environmental Analyst I/II	1.0	1.0	1.0	1.0
Water Conservation Coordinator	1.0	1.0	1.0	1.0
TOTAL	3.0	3.0	3.0	3.0

SIGNIFICANT CHANGES

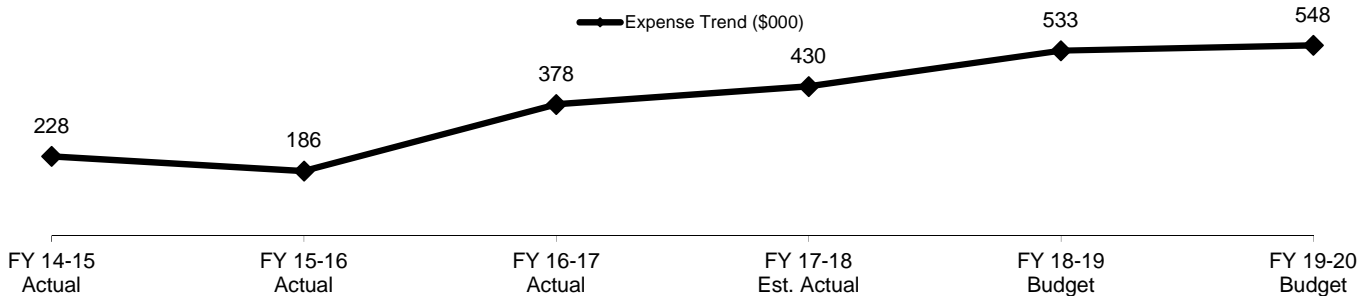
No significant changes are budgeted for FY18-19 or FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6830 Training and Professional Development – Attendance at training courses/professional meetings.
- 7105 Dues/Subscriptions/Memberships. Includes up to \$500 for subscription service for online retrieval of professional and scientific journal articles.

**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Resource and Watershed Conservation - 701223**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$293,273	\$217,306	\$327,105	\$348,952	\$344,256	\$408,917	\$421,169
6102 Staff Overtime	5,993	1,529	132	3,811	0	5,563	5,729
6105 Staff Benefits	86,323	48,005	97,534	143,084	122,334	191,575	196,188
6105.1 OPEB	13,166	21,902	18,352	9,648	12,912	51,139	51,139
Sub-total	\$422,458	\$307,895	\$471,472	\$534,531	\$509,043	\$691,744	\$709,571
6115 Staff Costs Recovered	(197,506)	(123,997)	(100,558)	(170,051)	(87,708)	(170,079)	(174,449)
Net Payroll Expenses	\$224,952	\$183,898	\$370,914	\$364,480	\$421,335	\$521,665	\$535,122
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	0	219	0	0	0	0	0
Sub-total	\$0	\$219	\$0	\$0	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	1,754	1,362	6,279	8,000	7,900	10,000	12,000
Sub-total	\$1,754	\$1,362	\$6,279	\$8,000	\$7,900	\$10,000	\$12,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	0	201	0	1,500	0	500	500
7110 Travel/Misc. Expenses	0	0	20	0	0	0	0
Sub-total	\$0	\$201	\$20	\$1,500	\$0	\$500	\$500
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,197	370	373	1,200	376	400	400
Sub-total	\$1,197	\$370	\$373	\$1,200	\$376	\$400	\$400
TOTAL EXPENSES	\$227,903	\$186,050	\$377,586	\$375,180	\$429,611	\$532,565	\$548,022
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED INTERNAL G&A	\$98,071	\$77,401	\$120,532	\$138,577	\$141,051	\$172,813	\$177,614
ALLOCATED OPERATIONS SERVICES	(\$331,176)	(\$268,252)	(\$503,325)	(\$520,134)	(\$576,544)	(\$711,777)	(\$732,344)



RESOURCE CONSERVATION AND PUBLIC OUTREACH

Public Information – 701230

FUNCTION

Facilitate community awareness and involvement with issues and challenges related to the reliable delivery of potable water, recycled water and wastewater treatment services. Also includes building the awareness of ratepayers, stakeholders and government agencies to the District's conservation and environmental activities.

OBJECTIVES

1. Engage the District's residents, commercial enterprises, industries, non-profits, and businesses through outreach initiatives including education, public information, social and business group interaction, multi-media interfacing, and public activities that directly relate to local, regional, state, and federal water conservation initiatives, water reliability issues, water innovation opportunities, climate change, watershed protection, and general environmental and sustainability efforts.
2. Increase interfacing with District constituency, state and federal agencies, and non-profits through the use of video production, multiple social media platforms, traditional media, and in-house produced brochures and newsletters.
3. Further develop governmental relationships with local, regional, state, and federal elected officials, staff, water agencies, and other groups that directly or indirectly impact District initiatives and efforts.
4. Closely monitor, and where appropriate participate in, legislative and regulatory matters important to the District.
5. Promote District initiatives through robust educational and public information outreach efforts to all levels of government, non-profits, community groups, residents, HOA's, and businesses by integrating into and becoming partners of their organizations.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Public Affairs and Communications Manager	1.0	1.0	1.0	1.0
Public Affairs Associate	2.0	2.0	2.0	2.0
TOTAL	3.0	3.0	3.0	3.0

SIGNIFICANT CHANGES

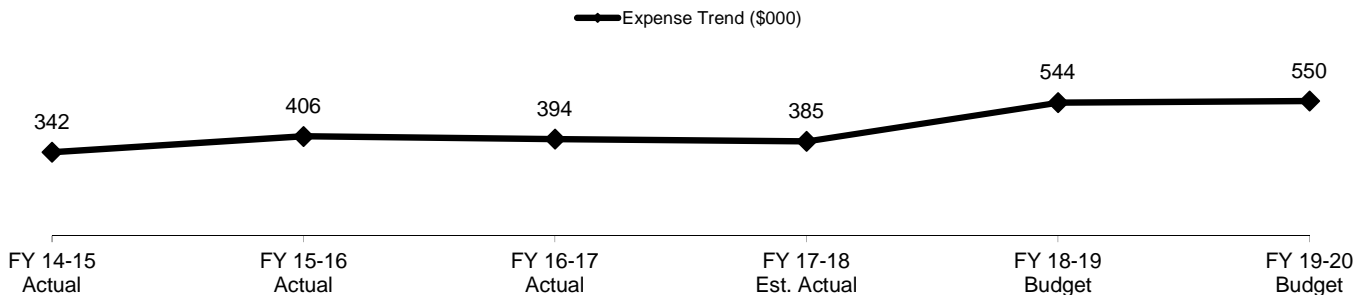
There are no significant changes budgeted for FY18-19 or for FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6516 Other Professional Services – Technical support using outside photography and video services, technical writing services, business related exhibits, usage rights and artwork when necessary.
- 6602 School Education Program – Staff support for school education programs, including educational materials.
- 6604 Public Education Program – Includes community outreach; community booth events and activities; printing and production of customer newsletters; web site costs; staff costs; District brochures and handout materials.
- 6606 Community Group Outreach – Includes funding for community forums and workshops; meetings and fees for speaker's bureau, chamber events and luncheons and community liaison expenses.
- 6608 Intergovernmental Coordination – Programmed funds include support for intergovernmental activities such as legislative and regulatory monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies.

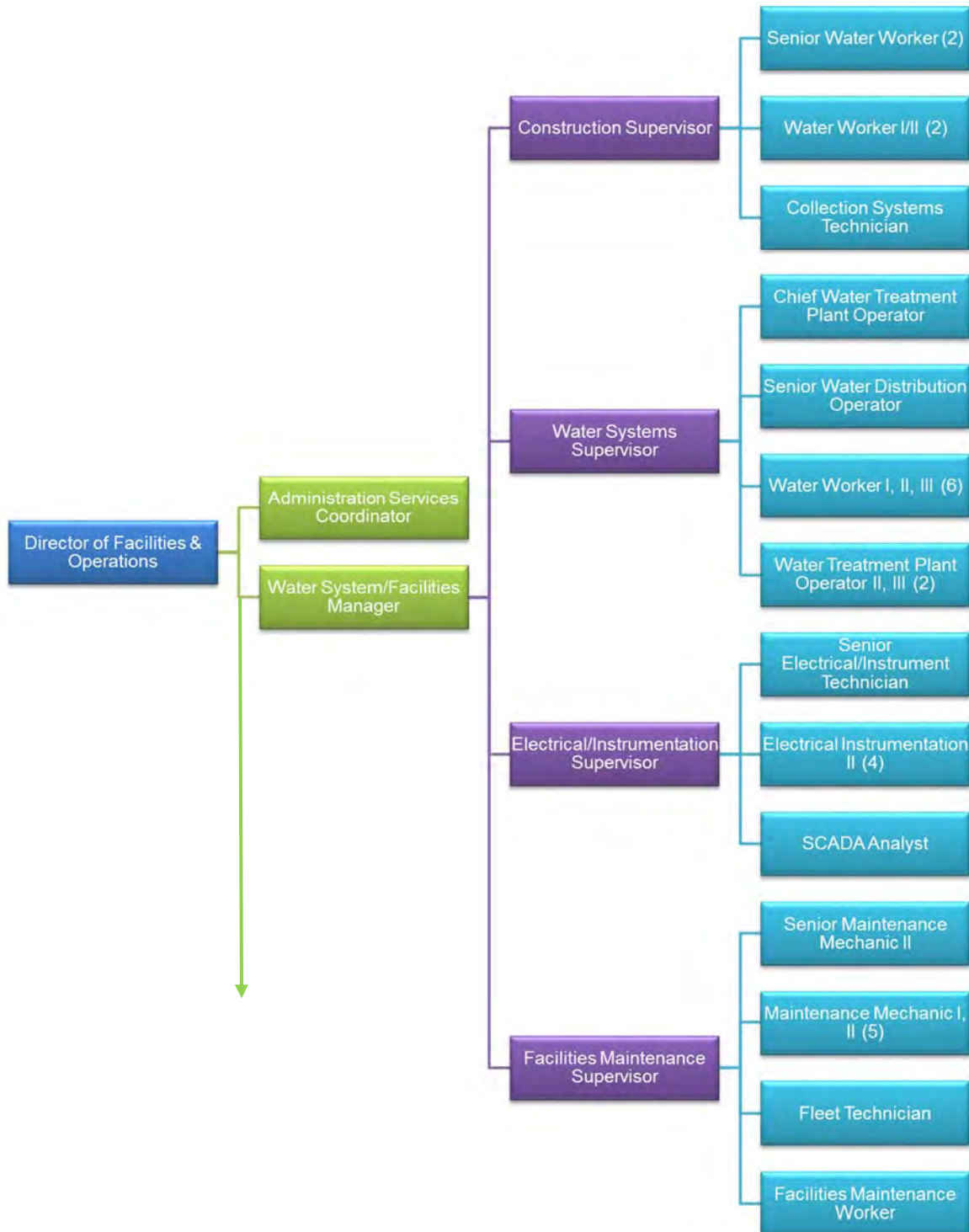
**Las Virgenes Municipal Water District
Resource Conservation and Public Outreach
Public Information - 701230**

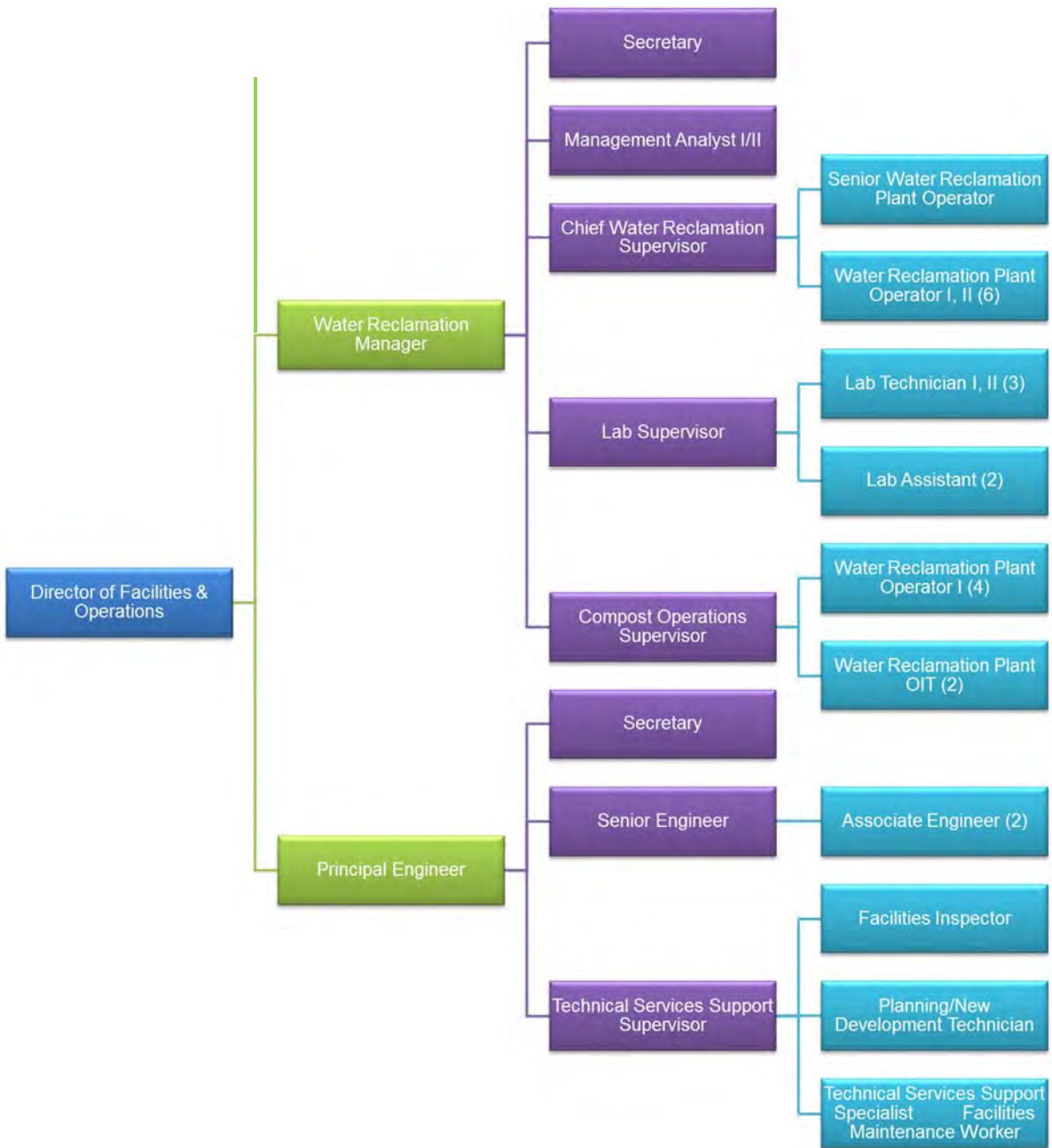
	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
PAYROLL EXPENSES							
6100 Staff Salaries	\$291,189	\$334,769	\$336,975	\$376,825	\$316,587	\$380,567	\$391,521
6102 Staff Overtime	2,277	6,948	761	3,584	945	3,914	4,032
6105 Staff Benefits	93,950	78,712	88,108	145,466	115,177	162,491	166,404
6105.1 OPEB	11,657	14,751	17,961	9,590	13,272	38,065	38,065
6110 Staff Taxes	22,763	26,914	27,000	28,961	29,547	30,978	31,629
Sub-total	\$421,836	\$462,094	\$470,805	\$564,426	\$475,528	\$616,015	\$631,651
6115 Staff Costs Recovered	(271,430)	(357,495)	(358,569)	(314,351)	(360,541)	(402,547)	(412,755)
Net Payroll Expenses	\$150,406	\$104,599	\$112,236	\$250,075	\$114,987	\$213,468	\$218,896
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	334	17	317	500	300	300	300
Sub-total	\$334	\$17	\$317	\$500	\$300	\$300	\$300
PROFESSIONAL SERVICES							
6516 Other Professional Services	79	2,100	733	0	0	0	0
Sub-total	\$79	\$2,100	\$733	\$0	\$0	\$0	\$0
RES CONSER/PUBLIC OUTREACH							
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
HUMAN RESOURCES							
6830 Training & Prof. Development	9,505	7,726	10,690	7,500	10,000	12,000	12,000
Sub-total	\$9,505	\$7,726	\$10,690	\$7,500	\$10,000	\$12,000	\$12,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	305	100	100	0	0	0	0
7110 Travel/Misc. Expenses	100	0	0	0	0	3,000	3,000
Sub-total	\$405	\$100	\$100	\$0	\$0	\$3,000	\$3,000
OPERATING EXPENSE							
5400 Labor	0	877	0	0	0	0	0
5405.2 Utilities - Telephone	1,051	682	850	720	1,440	1,440	1,440
Sub-total	\$1,051	\$1,559	\$850	\$720	\$1,440	\$1,440	\$1,440
TOTAL EXPENSES	\$341,731	\$405,616	\$394,471	\$507,892	\$385,314	\$543,664	\$550,214
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$98,136)	(\$141,386)	(\$121,861)	(\$141,749)	(\$116,399)	(\$171,635)	(\$173,839)
ALLOCATED SUPPORT SERVICES	(\$243,595)	(\$264,230)	(\$272,610)	(\$366,143)	(\$268,915)	(\$372,029)	(\$376,375)



FACILITIES AND OPERATIONS

The Facilities and Operations Department is responsible for the day-to-day operation, maintenance, regulatory compliance and replacement needs of the District’s potable water, recycled water and sanitation facilities. The department is also responsible for the planning, engineering and construction of new facilities to serve current and future customers.



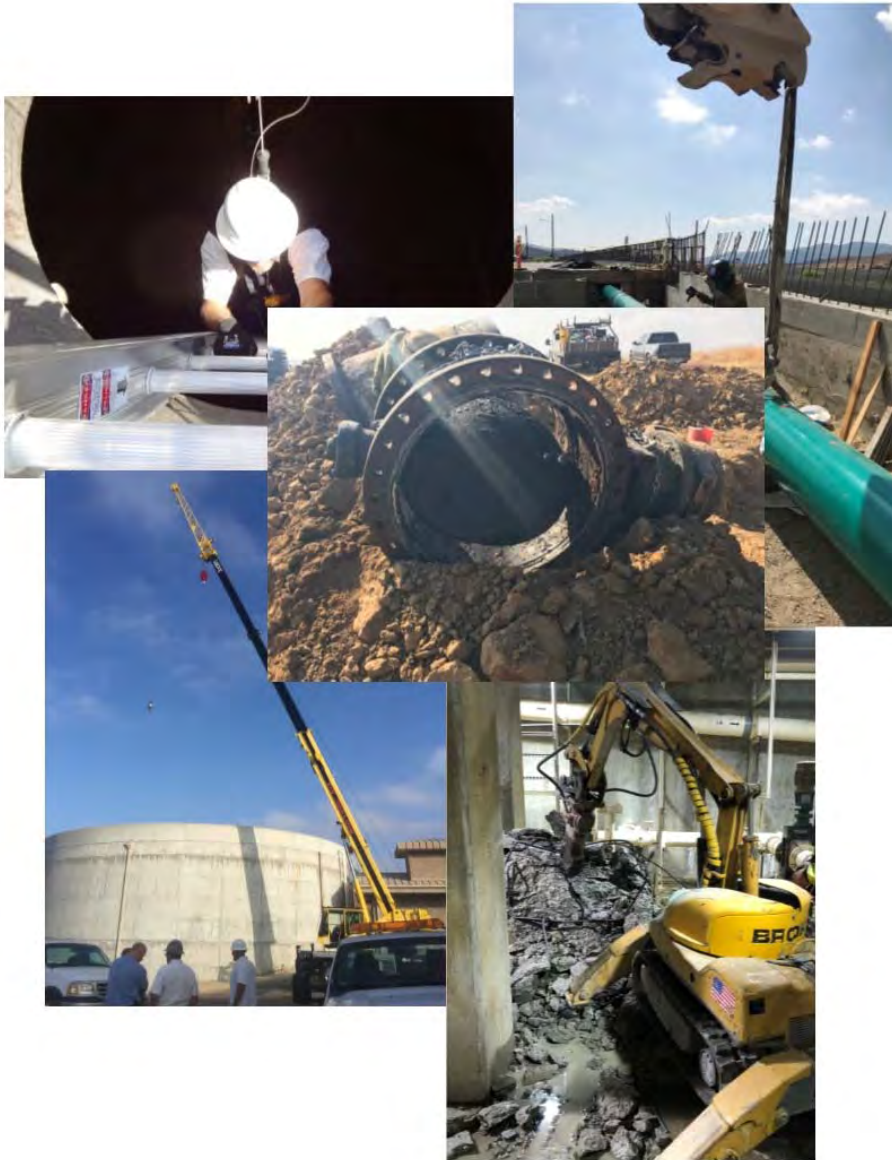


Key Accomplishments from FY 2016-18

- Completed the siting study and reservoir modeling for the Pure Water Project
- Completed preliminary design of the Pure Water Project Demonstration Project
- Completed rehabilitation of Digester # 1 at Rancho
- Completed several rehabilitation and replacement projects in sanitation and potable water systems
- Completed design of the LVMWD portion of the CMWD/LVMWD intertie

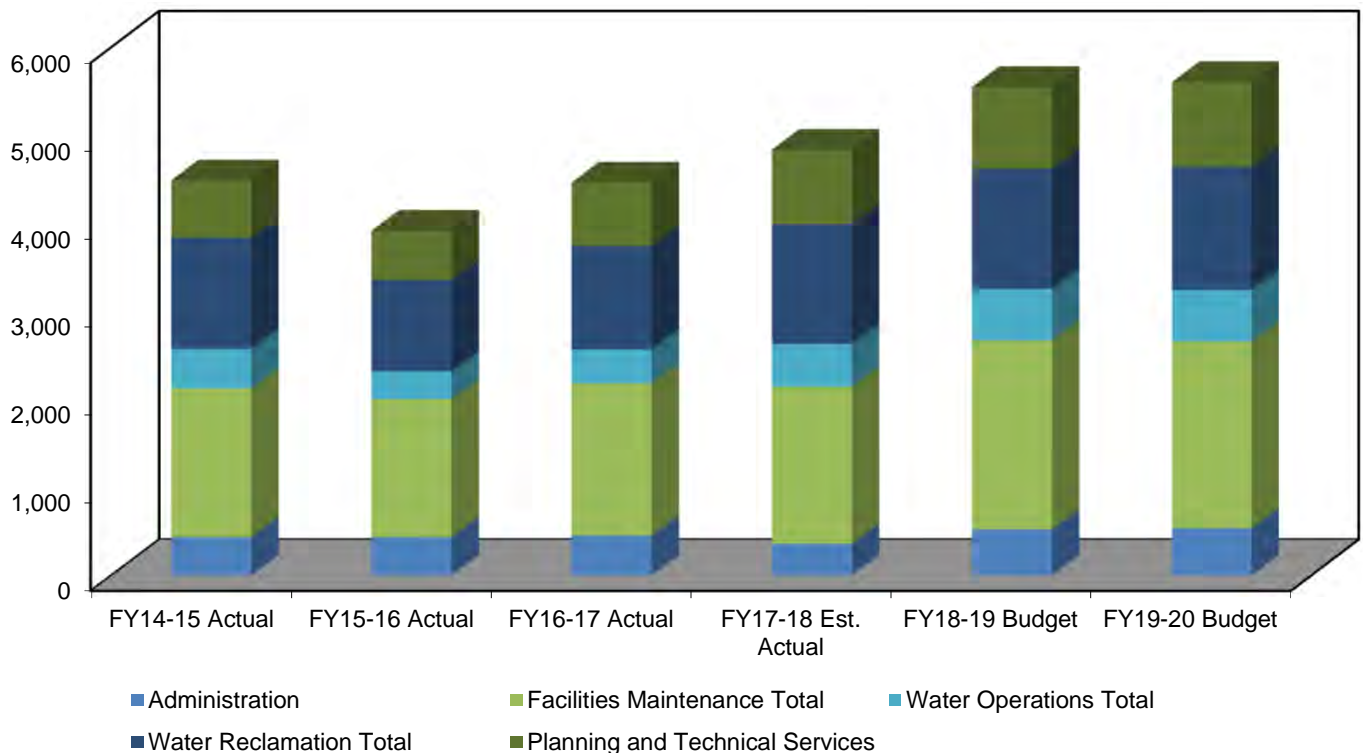
Notable Goals for FY 2018-20

- Complete Pure Water Project Demonstration Project
- Begin Preliminary Design and CEQA/NEPA analysis of the Pure Water Project
- Complete replacement of process air compressors and aeration system at Tapia
- Complete the various rehabilitation and replacement projects included in the FY2018-20 budget
- Complete the 2020 Urban Water Management Plan



Las Virgenes Municipal Water District
Facilities and Operations Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Administration	439	438	455	361	527	541
Fac. Maintenance Admin.	158	149	159	168	184	189
Electrical/Instrumentation Maint. Maintenance	129	118	114	180	327	334
Building 8 Maintenance	236	185	177	258	323	300
Building 7 Maintenance	450	432	577	387	438	425
Fleet Maintenance	176	192	167	187	214	178
Facilities Maintenance Total	546	500	542	613	666	699
Water Administration	1,695	1,576	1,736	1,793	2,152	2,125
Water Treatment & Production Construction	76	60	68	72	79	81
Water Operations Total	244	176	175	285	273	279
Reclamation Administration	131	77	143	128	231	224
Laboratory	451	313	386	485	583	584
Wastewater Treatment Facility	460	451	443	490	546	561
Composting Facility	515	491	554	550	638	654
Water Reclamation Total	159	59	71	194	70	72
Planning and Technical Services	124	34	101	122	106	109
Planning and Technical Services	1,258	1,035	1,169	1,356	1,360	1,396
Planning and Technical Services	649	558	721	843	928	961
	4,492	3,920	4,467	4,838	5,550	5,607



**Las Virgenes Municipal Water District
Facilities and Operations**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$5,769,130	\$5,854,503	\$6,051,101	\$6,519,025	\$6,070,345	\$6,468,699	\$6,662,142
6102 Staff Overtime	293,571	326,610	336,697	186,147	395,267	187,378	193,000
6105 Staff Benefits	2,162,219	1,237,207	1,785,756	2,661,948	2,294,314	2,896,905	2,965,483
6105.1 OPEB	321,337	383,693	371,530	197,059	273,282	777,501	777,501
6110 Staff Taxes	604,634	653,440	731,610	674,716	674,147	705,757	725,598
Sub-total	\$9,150,891	\$8,455,453	\$9,276,694	\$10,238,895	\$9,707,355	\$11,036,240	\$11,323,724
6115 Staff Costs Recovered	(5,935,501)	(5,768,349)	(6,258,816)	(6,773,875)	(6,122,255)	(6,924,088)	(7,093,926)
Net Payroll Expenses	\$3,215,390	\$2,687,104	\$3,017,878	\$3,465,020	\$3,585,100	\$4,112,152	\$4,229,798
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	779	104	645	102	350	360	370
6220 Outside Services	13,868	17,099	37,271	0	0	10,000	0
6225 Radio Maintenance Expense	7,815	28,928	31,316	11,551	20,000	20,000	20,000
6230 Safety Equipment	32,776	15,003	30,219	18,109	22,742	20,000	17,530
Sub-total	\$55,238	\$61,134	\$99,451	\$29,762	\$43,092	\$50,360	\$37,900
HUMAN RESOURCES							
6830 Training & Prof. Development	31,032	18,324	42,464	27,631	19,808	56,003	47,978
Sub-total	\$31,032	\$18,324	\$42,464	\$27,631	\$19,808	\$56,003	\$47,978
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	50	142	1,648	305	1,000	0	0
7110 Travel/Misc. Expenses	327	1,532	766	1,237	127	1,330	1,335
Sub-total	\$377	\$1,674	\$2,414	\$1,542	\$1,127	\$1,330	\$1,335
OPERATING EXPENSE							
5405.1 Utilities - Energy	141,743	117,059	103,506	133,575	100,000	107,000	114,000
5405.2 Utilities - Telephone	119,159	138,388	152,152	136,602	132,996	135,860	135,886
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
Sub-total	\$297,912	\$288,774	\$289,432	\$307,744	\$268,188	\$277,860	\$289,386
MAINTENANCE EXPENSE							
5500 Labor	151,003	119,620	148,400	157,378	105,677	141,101	144,739
5510 Supplies/Materials	126,972	127,724	128,461	124,490	122,000	127,000	128,650
5510.1 Fuel	112,807	72,662	95,940	118,654	95,000	100,000	110,000
5515 Outside Services	302,149	331,208	426,645	323,733	310,000	332,500	312,725
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	\$864,036	\$830,703	\$988,697	\$968,008	\$885,280	\$997,630	\$967,104
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	27,590	33,103	27,312	37,962	36,146	55,150	33,655
Sub-total	27,590	33,103	27,312	37,962	36,146	55,150	33,655
TOTAL EXPENSES	\$4,491,575	\$3,920,816	\$4,467,648	\$4,837,669	\$4,838,741	\$5,550,485	\$5,607,156
ALLOCATED EXPENSES							
ALLOCATED TECHNICAL SERVICES	(\$81,116)	(\$78,720)	(\$89,542)	(\$93,077)	(\$105,433)	(\$102,989)	(\$106,665)
ALLOCATED LABORATORY EXPENSES	(\$525,015)	(\$500,353)	(\$564,200)	(\$614,009)	(\$561,592)	(\$650,276)	(\$667,735)
ALLOCATED VEHICLE EXPENSES	(\$93,634)	(\$85,822)	(\$93,073)	(\$113,986)	(\$105,146)	(\$114,386)	(\$119,906)
ALLOCATED OPS BLDG EXPENSES	(\$176,164)	(\$191,890)	(\$167,300)	(\$194,021)	(\$186,968)	(\$214,204)	(\$177,609)
ALLOCATED INTERNAL G&A	\$826,723	\$1,223,792	\$921,136	\$1,048,710	\$923,265	\$1,136,978	\$1,186,684
ALLOCATED SUPPORT SERVICES(G&A)	(\$760,601)	(\$669,846)	(\$755,041)	(\$878,364)	(\$672,043)	(\$885,300)	(\$909,344)
ALLOCATED OPERATIONS SERVICES(G&A)	(\$3,681,768)	(\$3,617,977)	(\$3,719,628)	(\$3,992,922)	(\$4,130,824)	(\$4,720,308)	(\$4,812,581)
TOTAL ALLOCATED EXPENSES	(\$4,491,575)	(\$3,920,816)	(\$4,467,648)	(\$4,837,669)	(\$4,838,741)	(\$5,550,485)	(\$5,607,156)

FACILITIES AND OPERATIONS

Administration – 701310

FUNCTION

To provide direction in the administration of department programs; to oversee the functions of the Water, Reclamation, Facilities Maintenance and Technical Services divisions. This oversight includes day-to-day operations; strategic planning and goal setting; operations, maintenance and capital improvements budgeting; resolution of technical issues and review of capital facilities planning, design and construction.

OBJECTIVES

1. Meet all regulatory requirements while providing reliable and high quality service.
2. Provide for on-going fiscal and performance evaluation of operations and maintenance activities.
3. Develop and implement programs that provide for the preservation and replacement of district assets.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Director of Facilities and Operations	1.0	1.0	1.0	1.0
Administrative Services Coordinator	1.0	1.0	1.0	1.0
TOTAL	2.0	2.0	2.0	2.0

SIGNIFICANT CHANGES

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

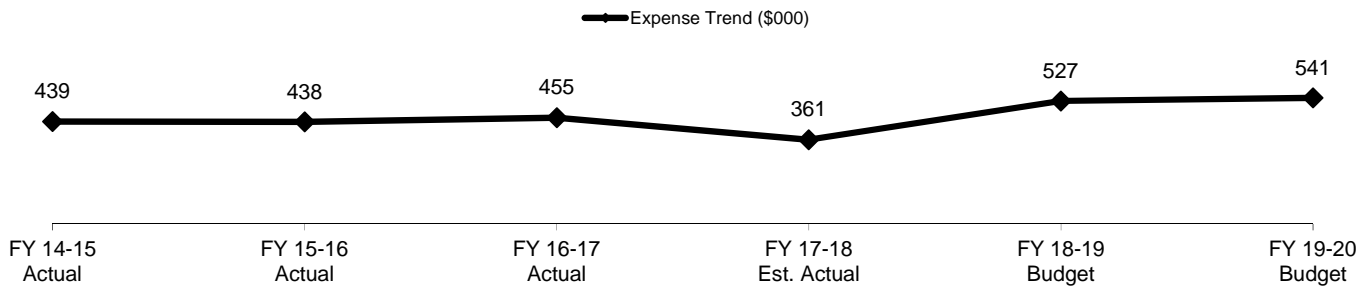
LINE ITEM EXPLANATIONS

6830 Training & Professional Development – Funds to attend conferences and seminars.

5405.2 Telephone – Funds for Department Head's cellular phone.

**Las Virgenes Municipal Water District
Facilities and Operations
Administration - 701310**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$313,533	\$326,101	\$332,160	\$341,598	\$245,077	\$331,132	\$341,044
6102 Staff Overtime	0	0	0	0	0	0	0
6105 Staff Benefits	78,991	59,677	65,393	125,437	78,289	135,837	139,215
6105.1 OPEB	10,668	12,686	13,938	7,421	10,281	29,456	29,456
6110 Staff Taxes	25,653	29,639	32,312	22,411	19,138	22,107	22,531
Sub-total	\$428,845	\$428,103	\$443,803	\$496,867	\$352,785	\$518,532	\$532,246
6115 Staff Costs Recovered	0	0	0	0	0	0	0
Net Payroll Expenses	\$428,845	\$428,103	\$443,803	\$496,867	\$352,785	\$518,532	\$532,246
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	114	0	0	0	0	0	0
Sub-total	\$114	\$0	\$0	\$0	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	8,483	7,220	8,914	6,600	6,500	6,500	6,500
Sub-total	\$8,483	\$7,220	\$8,914	\$6,600	\$6,500	\$6,500	\$6,500
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	50	142	1,648	305	1,000	0	0
7110 Travel/Misc. Expenses	215	1,385	46	1,035	0	1,000	1,200
Sub-total	\$265	\$1,527	\$1,694	\$1,340	\$1,000	\$1,000	\$1,200
OPERATING EXPENSE							
5405.2 Utilities - Telephone	845	946	1,036	1,121	1,200	1,200	1,200
Sub-total	\$845	\$946	\$1,036	\$1,121	\$1,200	\$1,200	\$1,200
TOTAL EXPENSES							
	\$438,552	\$437,796	\$455,447	\$505,928	\$361,485	\$527,232	\$541,146
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED INTERNAL G&A	\$112,238	\$55,326	\$96,775	\$143,063	\$90,152	\$110,460	\$113,572
ALLOCATED SUPPORT SERVICES	(\$555,992)	(\$497,923)	(\$557,429)	(\$655,368)	(\$457,519)	(\$644,091)	(\$661,426)



FACILITIES AND OPERATIONS

Facilities Maintenance Administration – 701320

FUNCTION

To provide administrative, fiscal and budgeting direction and support to the Facilities Maintenance, Electrical/Instrumentation and Fleet Maintenance sections including scheduling, goal setting, project and program management and development.

OBJECTIVES

1. Focus on infrastructure management, provide day to day oversight and management of the facilities maintenance crews including maintenance, electrical/instrumentation and fleet maintenance activities; manage the Facilities sections' budgets utilizing various methods, including computerized maintenance manager system reports and other financial reports.
2. Provide long range planning of various projects including CIP and "in-house" projects as the District nears build-out and focus shifts to infrastructure and equipment maintenance.
3. Continue to implement CIP Maintenance Programs and preventive maintenance activities.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Water System and Facilities Manager	0.7	0.7	0.7	0.7
TOTAL	0.7	0.7	0.7	0.7

SIGNIFICANT CHANGES

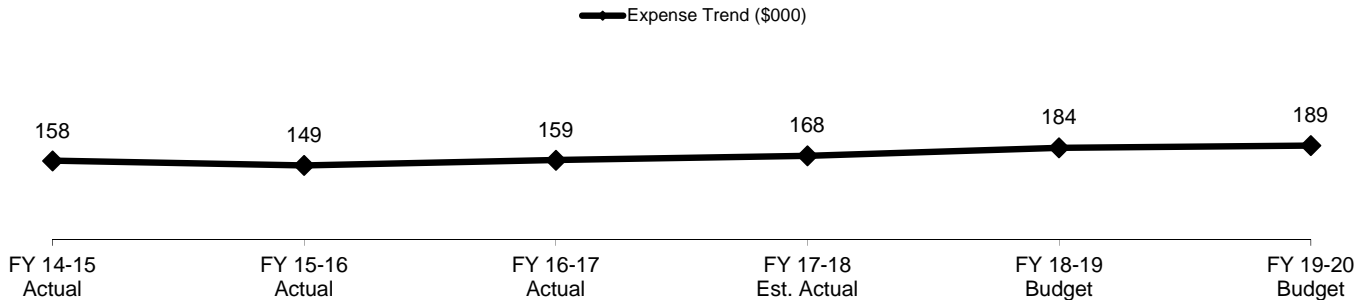
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

6830 Training & Prof. Development – Funds to attend conferences and seminars.

**Las Virgenes Municipal Water District
Facilities and Operations
Facilities Maintenance Administration - 701320**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$108,901	\$111,733	\$111,124	\$115,166	\$113,063	\$118,621	\$122,180
6102 Staff Overtime	0	0	0	0	0	0	0
6105 Staff Benefits	29,127	21,916	30,797	40,927	40,237	45,580	46,728
6105.1 OPEB	2,394	2,964	4,101	2,224	3,084	8,828	8,828
6110 Staff Taxes	10,242	11,866	12,921	9,639	10,882	10,095	10,398
Sub-total	\$150,664	\$148,479	\$158,943	\$167,956	\$167,266	\$183,124	\$188,134
6115 Staff Costs Recovered	0	0	0	0	0	0	0
Net Payroll Expenses	\$150,664	\$148,479	\$158,943	\$167,956	\$167,266	\$183,124	\$188,134
OFFICE EQUIPMENT & POSTAGE							
6220 Outside Services	6,934	0	0	0	0	0	0
Sub-total	\$6,934	\$0	\$0	\$0	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	100	290	60	406	500	500	400
Sub-total	\$100	\$290	\$60	\$406	\$500	\$500	\$400
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	0	0	40	0	0	0	0
Sub-total	\$0	\$0	\$40	\$0	\$0	\$0	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	147	154	157	158	160	160	160
Sub-total	\$147	\$154	\$157	\$158	\$160	\$160	\$160
TOTAL EXPENSES	\$157,845	\$148,923	\$159,200	\$168,520	\$167,926	\$183,784	\$188,694
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$3,641	\$3,351	\$3,634	\$4,450	\$4,105	\$4,466	\$4,682
ALLOCATED INTERNAL G&A	\$43,123	\$19,649	\$34,778	\$50,026	\$42,493	\$52,959	\$54,542
ALLOCATED SUPPORT SERVICES	(\$204,609)	(\$171,923)	(\$197,612)	(\$222,996)	(\$214,524)	(\$241,209)	(\$247,918)



FACILITIES AND OPERATIONS

Electrical and Instrumentation – 701326

FUNCTION

To provide proactive maintenance support and planning for all District physical assets, including the wastewater treatment facilities, potable water treatment facilities, potable water pumping and storage facilities, recycled water pumping and storage facilities, sanitary sewer pumping and transmission facilities, administrative facilities and fleet.

OBJECTIVES

1. Continue the implementation of an automated maintenance management system (AMMS).
2. Provide cross training, technical training and work or project team opportunities for staff to build employee skills and competencies.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Electrical/Instrumentation Maintenance Supervisor	1.0	1.0	1.0	1.0
Senior Electrical/Instrumentation Technician	1.0	1.0	1.0	1.0
Electrical/Instrumentation Technician I, II	4.0	4.0	4.0	4.0
SCADA Analyst	1.0	1.0	1.0	1.0
TOTAL	7.0	7.0	7.0	7.0

SIGNIFICANT CHANGES

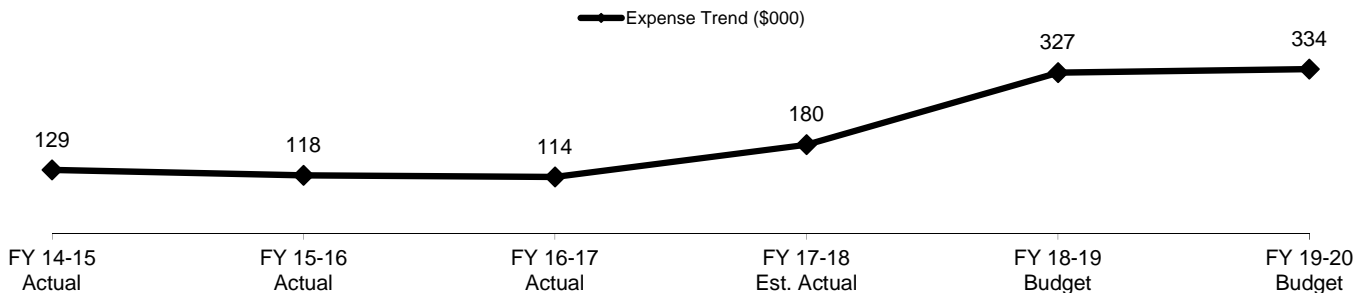
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6225 Radio Maintenance –Funding for radio system maintenance and repair.
- 6230 Safety Equipment – Used to purchase and maintain safety equipment and electrical safety equipment.
- 6830 Training & Professional Development – Funds to provide training for section employees. Training also includes funds to bring trainers to the District on various maintenance issues. The budget request includes AB programming courses and Ovation software training
- 5725 Supplies and Small Tools – Funds to purchase small tools and various consumables used by the staff which need to be allocated to both Las Virgenes and Joint Powers Authority budgets.
- 5405.2 Telephone – Funds for cellular phone equipment and pagers and associated service charges.

**Las Virgenes Municipal Water District
Facilities and Operations
Electrical/Instrumentation Maintenance - 701326**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$515,945	\$587,817	\$675,160	\$682,361	\$701,360	\$713,764	\$735,176
6102 Staff Overtime	11,978	13,014	17,137	20,234	15,371	21,022	21,653
6105 Staff Benefits	205,441	140,598	215,266	282,732	277,274	317,549	325,121
6105.1 OPEB	28,049	40,626	40,499	21,519	29,768	85,414	85,414
6110 Staff Taxes	55,561	71,245	87,987	79,838	84,277	90,885	93,611
Sub-total	\$816,974	\$853,300	\$1,036,049	\$1,086,684	\$1,108,050	\$1,228,634	\$1,260,975
6115 Staff Costs Recovered	(718,196)	(776,937)	(977,700)	(930,489)	(969,583)	(958,010)	(983,165)
Net Payroll Expenses	\$98,778	\$76,363	\$58,349	\$156,195	\$138,467	\$270,624	\$277,810
OFFICE EQUIPMENT & POSTAGE							
6225 Radio Maintenance Expense	7,815	28,928	31,316	11,551	20,000	20,000	20,000
6230 Safety Equipment	2,379	1,379	3,497	2,545	2,500	2,500	2,500
Sub-total	\$10,194	\$30,307	\$34,813	\$14,096	\$22,500	\$22,500	\$22,500
HUMAN RESOURCES							
6830 Training & Prof. Development	8,506	3,073	16,279	7,004	5,000	22,500	22,500
Sub-total	\$8,506	\$3,073	\$16,279	\$7,004	\$5,000	\$22,500	\$22,500
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	0	9	0	75	0	0	0
Sub-total	\$0	\$9	\$0	\$75	\$0	\$0	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,847	1,924	198	1,950	1,000	1,000	1,000
Sub-total	\$1,847	\$1,924	\$198	\$1,950	\$1,000	\$1,000	\$1,000
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	9,206	5,985	4,667	13,046	13,000	10,000	10,000
Sub-total	\$9,206	\$5,985	\$4,667	\$13,046	\$13,000	\$10,000	\$10,000
TOTAL EXPENSES	\$128,531	\$117,661	\$114,306	\$192,366	\$179,967	\$326,624	\$333,810
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$31,211	\$28,557	\$30,970	\$37,929	\$34,988	\$38,062	\$39,899
ALLOCATED INTERNAL G&A	\$12,920	\$90,250	\$176,607	\$60,153	\$55,799	\$49,799	\$51,434
ALLOCATED OPERATIONS SERVICES	(\$172,662)	(\$236,468)	(\$321,883)	(\$290,448)	(\$270,754)	(\$414,485)	(\$425,143)



FACILITIES AND OPERATIONS

Maintenance – 701321

FUNCTION

To provide proactive maintenance support and planning for all District physical assets, including the wastewater treatment facilities, potable water treatment facilities, potable water pumping and storage facilities, recycled water pumping and storage facilities, sanitary sewer pumping and transmission facilities, administrative facilities and fleet.

OBJECTIVES

1. Continue the optimization of the automated maintenance management system (AMMS).
2. Provide cross training, technical training and work or project team opportunities for staff to build employee skills and competencies.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Facilities Maintenance Supervisor	1.0	1.0	1.0	1.0
Senior Maintenance Mechanic	1.0	1.0	1.0	1.0
Maintenance Mechanic I,II	5.0	5.0	5.0	5.0
Facilities Maintenance Worker	1.0	1.0	1.0	1.0
TOTAL	8.0	8.0	8.0	8.0

SIGNIFICANT CHANGES

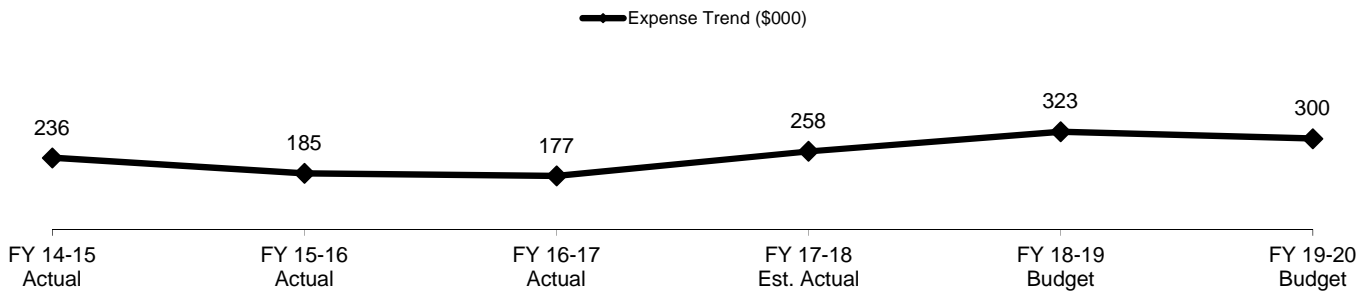
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6230 Safety Equipment – Used to purchase and maintain safety equipment such as crane slings.
- 6830 Training & Professional Development – Funds to provide training for section employees.
- 5725 Supplies and Small Tools – Funds to purchase small tools and various consumables used by the maintenance staff which need to be allocated to both Las Virgenes and Joint Powers Authority budgets. Funds in FY18-19 are requested to replace the sand blaster (\$7,500) and hot water pressure washer (\$4,000) at Tapia.
- 5405.2 Telephone – Funds for cellular phone equipment and pagers and associated service charges.

**Las Virgenes Municipal Water District
Facilities and Operations
Maintenance - 701321**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$653,152	\$637,089	\$593,390	\$706,632	\$653,603	\$693,044	\$713,835
6102 Staff Overtime	27,708	32,705	15,563	22,535	17,319	21,993	22,653
6105 Staff Benefits	261,657	149,454	173,980	303,166	264,707	329,736	337,387
6105.1 OPEB	40,902	48,164	45,209	23,853	33,226	94,678	94,678
6110 Staff Taxes	70,119	77,024	73,993	80,756	74,833	84,263	86,791
Sub-total	\$1,053,538	\$944,436	\$902,135	\$1,136,942	\$1,043,688	\$1,223,714	\$1,255,344
6115 Staff Costs Recovered	(876,537)	(795,072)	(788,815)	(1,008,737)	(810,647)	(953,799)	(978,378)
Net Payroll Expenses	\$177,001	\$149,364	\$113,320	\$128,205	\$233,041	\$269,915	\$276,966
OFFICE EQUIPMENT & POSTAGE							
6220 Outside Services	0	17,099	37,271	0	0	10,000	0
6230 Safety Equipment	20,548	5,525	12,949	4,300	11,000	5,000	5,000
Sub-total	\$20,548	\$22,624	\$50,220	\$4,300	\$11,000	\$15,000	\$5,000
HUMAN RESOURCES							
6830 Training & Prof. Development	5,481	2,133	4,182	5,583	2,000	13,000	5,000
Sub-total	\$5,481	\$2,133	\$4,182	\$5,583	\$2,000	\$13,000	\$5,000
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	0	0	299	0	0	0	0
Sub-total	\$0	\$0	\$299	\$0	\$0	\$0	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	2,417	2,912	2,716	2,923	2,000	3,000	3,000
Sub-total	\$2,417	\$2,912	\$2,716	\$2,923	\$2,000	\$3,000	\$3,000
MAINTENANCE EXPENSE							
5500 Labor	20,843	0	0	7,856	0	425	436
Sub-total	\$20,843	\$0	\$0	\$7,856	\$0	\$425	\$436
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	10,006	8,135	6,253	11,165	10,000	21,500	10,000
Sub-total	\$10,006	\$8,135	\$6,253	\$11,165	\$10,000	\$21,500	\$10,000
TOTAL EXPENSES	\$236,296	\$185,168	\$176,990	\$160,032	\$258,041	\$322,840	\$300,402
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$104,038	\$95,272	\$103,325	\$126,539	\$116,730	\$126,986	\$133,114
ALLOCATED INTERNAL G&A	(\$14,942)	\$107,173	\$48,177	(\$12,627)	(\$35,151)	(\$34,625)	(\$29,536)
ALLOCATED OPERATIONS SERVICES	(\$325,392)	(\$387,613)	(\$328,492)	(\$273,944)	(\$339,620)	(\$415,201)	(\$403,980)



FACILITIES AND OPERATIONS

Building 8 Maintenance – 701001

FUNCTION

To provide operations and maintenance services for Building 8 (Headquarters).

SIGNIFICANT CHANGES

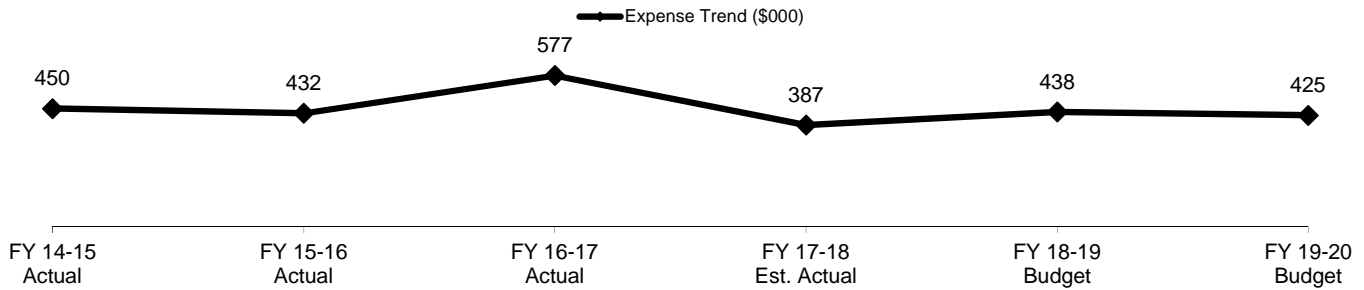
With the replacement of lighting fixtures at the headquarters campus there will be up to 25% savings in energy costs.

LINE ITEM EXPLANATIONS

- 5510 Supplies/Materials – Funds to purchase items necessary to maintain headquarters building.
- 5515 Outside Services – Funds to provide for janitorial service, air conditioning maintenance, computerized building management systems, refuse collection and other services required to maintain the building. Additional funds are requested in FY18-19 to replace the counter top of the engineering counter.
- 5530 Capital Outlay – Funds in FY 18-19 are to repair a failed vent in the mechanical room.

**Las Virgenes Municipal Water District
Facilities and Operations
Building 8 Maintenance - 701001**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSE							
5405.1 Utilities - Energy	\$115,741	\$93,186	\$81,862	\$106,575	\$80,000	\$85,000	\$90,000
5405.2 Utilities - Telephone	102,930	119,274	131,401	117,253	117,253	118,000	118,000
5405.3 Utilities - Gas	16,535	13,617	12,601	17,052	15,000	15,000	15,000
5405.4 Utilities - Water	4,325	5,716	7,003	5,274	5,000	5,000	5,000
Sub-total	\$239,531	\$231,793	\$232,867	\$246,154	\$217,253	\$223,000	\$228,000
MAINTENANCE EXPENSE							
5500 Labor	74,362	69,176	93,535	76,113	54,739	79,395	81,444
5510 Supplies/Materials	27,953	21,268	20,162	25,375	25,000	25,000	25,000
5515 Outside Services	102,342	110,079	229,963	97,834	90,000	100,000	90,000
5520 Permits/Fee	200	0	0	200	200	200	200
5530 Capital Outlay	5,901	0	0	0	0	10,000	0
Sub-total	\$210,758	\$200,523	\$343,660	\$199,522	\$169,939	\$214,595	\$196,644
TOTAL EXPENSES	\$450,289	\$432,316	\$576,527	\$445,676	\$387,192	\$437,595	\$424,644
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$208,671)	(\$198,876)	(\$259,083)	(\$206,345)	(\$166,867)	(\$192,249)	(\$186,707)
ALLOCATED OPERATIONS SERVICES	(\$241,618)	(\$233,440)	(\$317,444)	(\$239,331)	(\$220,325)	(\$245,346)	(\$237,937)



FACILITIES AND OPERATIONS

Building 7 and Yard Maintenance – 701002

FUNCTION

To provide operations and maintenance services for Building 7 (Operations) and the Operations Yard.

SIGNIFICANT CHANGES

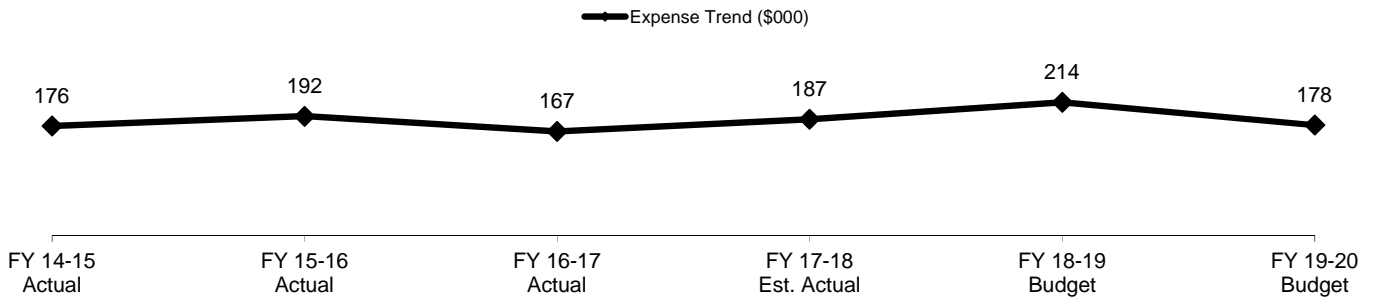
With the replacement of lighting fixtures at the headquarters campus there will be up to 25% savings in energy costs.

LINE ITEM EXPLANATIONS

- 5515 Outside Services – Funds to provide for janitor, air conditioning maintenance, refuse collection and other services required to maintain the building. Additional funds in FY18-19 are for ATS service.
- 5520 Permits/Fee – South Coast Air Quality Management District (SCAQMD) fees for internal combustion engine (ICE) backup generators, spray booth, and fuel dispensing system.
- 5530 Capital Outlay – Funds requested for FY18-19 request include fund for new carpet/paint/etc. for building # 2 meeting room. FY 16-17 included skylight repair (\$13.2K) and light fixtures (\$10K).

**Las Virgenes Municipal Water District
Facilities and Operations
Building 7 and Yard Maintenance - 701002**

	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Budget	FY 17-18 Est. Actual	FY 18-19 Budget	FY 19-20 Budget
OPERATING EXPENSE							
5405.1 Utilities - Energy	\$26,002	\$23,873	\$21,644	\$27,000	\$20,000	\$22,000	\$24,000
5405.2 Utilities - Telephone	819	1,201	1,671	1,108	1,100	1,100	1,100
5405.3 Utilities - Gas	5,512	4,175	3,361	5,192	5,192	5,000	9,500
5405.4 Utilities - Water	10,638	9,819	10,809	10,049	10,000	10,000	10,000
Sub-total	\$42,971	\$39,068	\$37,485	\$43,349	\$36,292	\$38,100	\$44,600
MAINTENANCE EXPENSE							
5500 Labor	47,233	44,170	49,152	48,978	46,176	54,604	56,009
5510 Supplies/Materials	9,366	5,872	10,550	7,001	7,000	7,000	7,000
5515 Outside Services	71,390	96,688	65,523	65,975	65,000	75,000	65,000
5520 Permits/Fee	5,204	6,092	4,590	5,518	9,500	9,500	5,000
5530 Capital Outlay	0	0	0	23,200	23,000	30,000	0
Sub-total	\$133,193	\$152,822	\$129,815	\$150,672	\$150,676	\$176,104	\$133,009
TOTAL EXPENSES	\$176,164	\$191,890	\$167,300	\$194,021	\$186,968	\$214,204	\$177,609
ALLOCATED EXPENSES							
ALLOCATED OPS BLDG EXPENSES	(\$176,164)	(\$191,890)	(\$167,300)	(\$194,021)	(\$186,968)	(\$214,204)	(\$177,609)
ALLOCATED INTERNAL G&A	\$80,022	\$59,232	\$116,631	\$75,986	\$76,205	\$104,356	\$105,159
ALLOCATED OPERATIONS SERVICES	(\$80,022)	(\$59,232)	(\$116,631)	(\$75,986)	(\$76,205)	(\$104,356)	(\$105,159)



FACILITIES AND OPERATIONS

Fleet Maintenance – 701325

FUNCTION

To coordinate and provide preventive maintenance and emergency repairs to the District's fleet of vehicles, motorized equipment and emergency equipment.

OBJECTIVES

1. Continue to periodically field test emergency equipment such as portable generators to assure readiness.
2. Enhance the use of the computerized fleet maintenance system to allow scheduling of routine maintenance and track costs associated with fleet maintenance.
3. Properly inspect and maintain the district's fuel systems.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Fleet Technician	1.0	1.0	1.0	1.0
TOTAL	1.0	1.0	1.0	1.0

SIGNIFICANT CHANGES

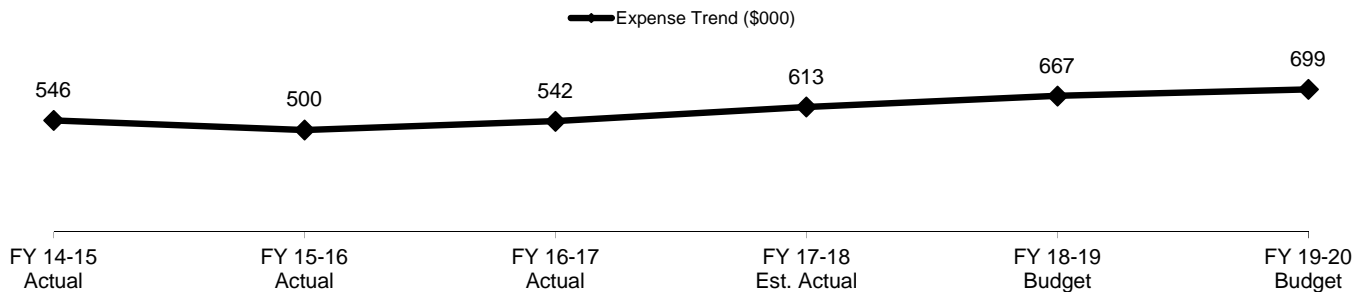
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6115 Staff Cost Recovered – This account is used to accrue direct charges time by the Fleet Technician when performing service for operating business units.
- 5500 Labor – This account is used to accrue the time general unit employees spend assisting the Fleet Technician, such as chauffeuring vehicles to vendors.
- 5510 Supplies/Materials – Funds are used to purchase supplies and parts, such as oil filters, windshield wipers and tires used on all District vehicles.
- 5510.1 Fuel – Funds are used to purchase gasoline and diesel fuel for District vehicles and equipment. Increased fuel costs reflect retail fuel purchase cost differential while underground fuel tanks are being repaired.
- 5515 Outside Services – Costs for vendors to repair major work on vehicles, such as engine repairs, upholstery, window glass, lifts and compressors, etc.
- 5520 Permits/Fees – Underground storage tank fees, California Highway Patrol vehicle inspections, and vehicle smog tests. This account also includes Los Angeles County Certified Unified Program Agency (CUPA) permit fees).
- 6255 Rental Charge – Vehicles – Internal charge to set aside funds for replacement of District vehicles and radio equipment.

**Las Virgenes Municipal Water District
Facilities and Operations
Fleet Maintenance - 701325**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$73,409	\$76,760	\$77,355	\$79,442	\$78,089	\$81,829	\$84,284
6102 Staff Overtime	133	0	0	2,795	0	2,879	2,965
6105 Staff Benefits	20,994	7,792	10,821	25,211	23,492	27,702	28,398
6105.1 OPEB	5,828	6,695	2,573	1,263	1,822	5,012	5,012
6110 Staff Taxes	8,097	9,254	10,072	9,373	9,491	10,510	10,825
Sub-total	\$108,461	\$100,501	\$100,821	\$118,084	\$112,894	\$127,932	\$131,484
6115 Staff Costs Recovered	0	0	0	0	0	0	0
Net Payroll Expenses	\$108,461	\$100,501	\$100,821	\$118,084	\$112,894	\$127,932	\$131,484
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	225	225	0	0	0	0	0
Sub-total	\$225	\$225	\$0	\$0	\$0	\$0	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	356	376	373	426	426	450	450
Sub-total	\$356	\$376	\$373	\$426	\$426	\$450	\$450
MAINTENANCE EXPENSE							
5500 Labor	8,565	6,274	5,713	24,431	4,762	6,677	6,850
5510 Supplies/Materials	35,953	36,569	32,119	39,839	39,000	40,000	40,000
5510.1 Fuel	112,807	72,662	95,940	118,654	95,000	100,000	110,000
5515 Outside Services	124,813	114,691	127,478	152,280	145,000	150,000	150,000
5520 Permits/Fee	1,483	1,563	1,446	4,422	4,400	4,500	4,500
5530 Capital Outlay	0	8,794	0	0	0	0	0
6255 Rental Charge - Vehicles	153,536	158,463	178,498	206,113	211,267	237,029	255,475
Sub-total	\$437,157	\$399,016	\$441,194	\$545,739	\$499,429	\$538,206	\$566,825
TOTAL EXPENSES	\$546,199	\$500,118	\$542,388	\$664,249	\$612,749	\$666,588	\$698,759
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	(\$546,199)	(\$500,118)	(\$542,388)	(\$664,249)	(\$612,749)	(\$666,588)	(\$698,759)
ALLOCATED INTERNAL G&A	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED OPERATIONS SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0



FACILITIES AND OPERATIONS

Water Administration – 701330

FUNCTION

To provide administrative direction and support to the Water Treatment and Production Section and the Construction Section including scheduling, goal setting, and research and project development.

OBJECTIVES

1. Manage operation and maintenance of the potable and recycled water distribution systems, Las Virgenes Reservoir, Westlake Filtration Plant, trunk sewers and associated District facilities.
2. Manage District-wide efforts to ensure compliance with the Malibu Creek discharge prohibition requirements in the NPDES permit.
3. Maintain compliance with existing DPH regulations and manage compliance with new regulations such as the Stage 2 Disinfection By-Products Rule and the Long Term 2 Enhanced Surface Water Treatment Rule.
4. Update documentation required for the water system such as the Operations and Maintenance Manual.
5. Continue efforts to maximize energy management efficiency.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Water System and Facilities Manager	0.3	0.3	0.3	0.3
TOTAL	0.3	0.3	0.3	0.3

SIGNIFICANT CHANGES

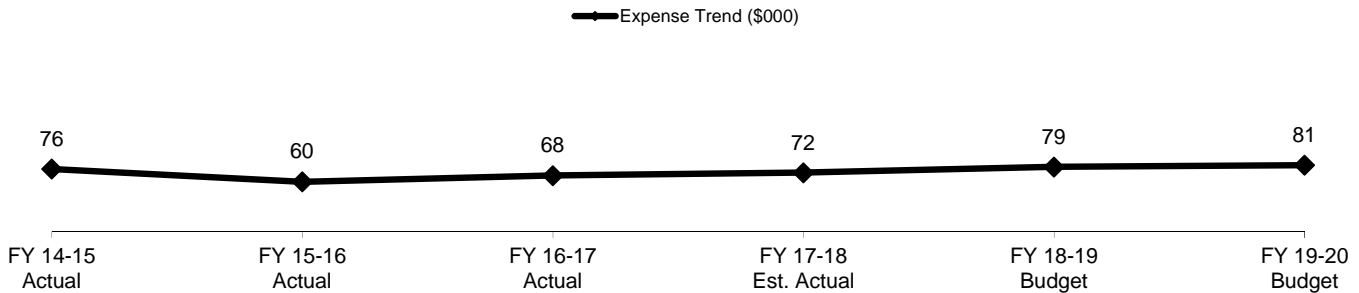
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6800 Safety – Funds for safety related videos and other safety training materials for water system and maintenance employees.
- 6830 Training and Professional Development – Funds to attend AWWA and other conferences.
- 7110 Travel/Misc. Expenses – Funds for items such as meals and parking fees incurred by staff.

**Las Virgenes Municipal Water District
Facilities and Operations
Water Administration - 701330**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$47,048	\$44,577	\$47,431	\$49,357	\$48,198	\$50,838	\$52,363
6102 Staff Overtime	0	0	0	0	0	0	0
6105 Staff Benefits	11,295	8,833	13,393	17,540	17,257	19,534	20,026
6105.1 OPEB	6,401	1,943	1,741	953	1,308	3,783	3,783
6110 Staff Taxes	4,415	4,733	5,299	4,131	4,626	4,326	4,456
Sub-total	\$69,159	\$60,086	\$67,864	\$71,981	\$71,389	\$78,481	\$80,628
6115 Staff Costs Recovered	(100)	0	0	0	0	0	0
Net Payroll Expenses	\$69,059	\$60,086	\$67,864	\$71,981	\$71,389	\$78,481	\$80,628
OFFICE EQUIPMENT & POSTAGE							
6220 Outside Services	6,934	0	0	0	0	0	0
Sub-total	\$6,934	\$0	\$0	\$0	\$0	\$0	\$0
HUMAN RESOURCES							
6830 Training & Prof. Development	245	340	340	203	200	200	200
Sub-total	\$245	\$340	\$340	\$203	\$200	\$200	\$200
OPERATING EXPENSE							
5405.2 Utilities - Telephone	63	66	67	73	75	75	75
Sub-total	\$63	\$66	\$67	\$73	\$75	\$75	\$75
TOTAL EXPENSES	\$76,309	\$60,492	\$68,271	\$72,257	\$71,664	\$78,756	\$80,903
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$1,561	\$1,400	\$1,519	\$1,860	\$1,716	\$1,866	\$1,957
ALLOCATED INTERNAL G&A	\$21,457	\$10,256	\$16,380	\$24,168	\$20,712	\$25,550	\$26,374
ALLOCATED OPERATIONS SERVICES	(\$99,327)	(\$72,148)	(\$86,170)	(\$98,285)	(\$94,092)	(\$106,172)	(\$109,234)



FACILITIES AND OPERATIONS

Water Treatment and Production – 701331

FUNCTION

To properly operate the potable and recycled water distribution systems and Westlake Filtration Plant, to perform maintenance as needed to enhance system reliability and preserve District assets, to meet the needs of District customers for sufficient supplies of potable and recycled water and to meet and maintain water quality standards that comply with regulatory requirements governing potable and recycled water distribution systems.

OBJECTIVES

1. Coordinate District-wide efforts to ensure compliance with the Malibu Creek discharge prohibition requirements in the NPDES permit.
2. Perform preventive maintenance as scheduled for main line valves, fire hydrants, air vacuum valves, pressure reducing stations, pump stations, storage reservoirs, Westlake Filter Plant and associated District facilities.
3. Enhance employee success by providing opportunities for cross training, technical training and team development and work projects in distribution system operation and water treatment.
4. Conduct distribution system training to assist water system Operation and Maintenance.
5. Continue efforts to maximize energy management efficiency through various pumping and storage strategies.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Water Systems Supervisor	1.0	1.0	1.0	1.0
Chief Water Treatment Plant Operator	1.0	1.0	1.0	1.0
Water Treatment Plant Operator III	1.0	1.0	1.0	1.0
Water Treatment Plant Operator II	1.0	-	1.0	1.0
Senior Water Distribution Operator	1.0	1.0	1.0	1.0
Water Worker III	1.0	-	1.0	1.0
Water Worker I, II	5.0	5.0	5.0	5.0
TOTAL	11.0	9.0	11.0	11.0

SIGNIFICANT CHANGES

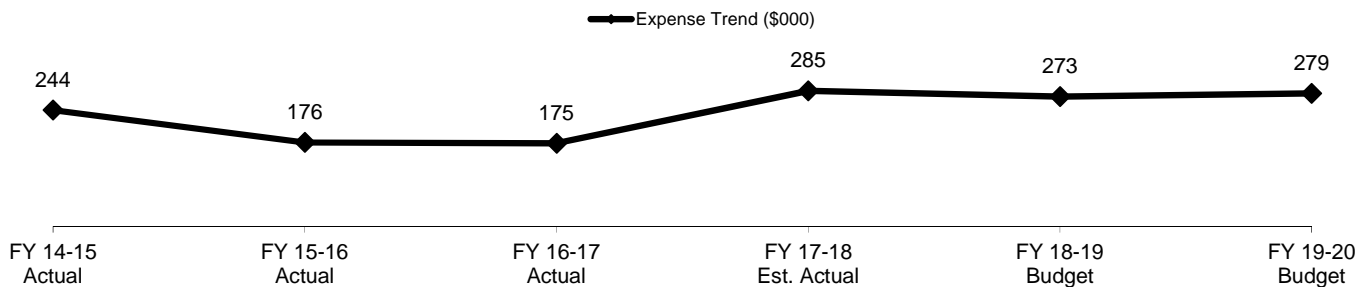
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6230 Safety Equipment – Funds used to purchase safety equipment such as rain gear, road signs, respiratory equipment, and other safety items.
- 6830 Training & Professional Development – Funds for conferences, seminars, and training for section employees.
- 5405.2 Telephone – Funds for cellular phone equipment and pagers and associated service charges.
- 5725 Supplies and Small Tools – Funds for miscellaneous small hand tools, which cannot be directly charged to operating/maintenance business units.

**Las Virgenes Municipal Water District
Facilities and Operations
Water Treatment & Production - 701331**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$894,712	\$880,508	\$850,158	\$910,434	\$847,330	\$884,623	\$911,140
6102 Staff Overtime	56,378	66,515	74,655	28,686	101,426	27,995	28,835
6105 Staff Benefits	346,741	163,518	229,868	405,670	297,388	440,370	450,429
6105.1 OPEB	55,369	65,827	62,491	33,216	45,936	131,842	131,842
6110 Staff Taxes	98,154	105,461	125,289	106,687	108,588	113,110	116,501
Sub-total	\$1,451,354	\$1,281,829	\$1,342,461	\$1,484,693	\$1,400,668	\$1,597,940	\$1,638,747
6115 Staff Costs Recovered	(1,221,605)	(1,119,857)	(1,186,612)	(1,270,401)	(1,128,719)	(1,339,796)	(1,373,906)
Net Payroll Expenses	\$229,749	\$161,972	\$155,849	\$214,292	\$271,949	\$258,144	\$264,841
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	2,481	1,653	2,735	2,291	1,000	2,000	2,000
Sub-total	\$2,481	\$1,653	\$2,735	\$2,291	\$1,000	\$2,000	\$2,000
HUMAN RESOURCES							
6830 Training & Prof. Development	3,343	2,571	2,533	2,314	2,300	3,000	3,000
Sub-total	\$3,343	\$2,571	\$2,533	\$2,314	\$2,300	\$3,000	\$3,000
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	49	53	48	0	0	0	0
Sub-total	\$49	\$53	\$48	\$0	\$0	\$0	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	5,237	6,993	9,228	6,516	6,500	6,500	6,500
Sub-total	\$5,237	\$6,993	\$9,228	\$6,516	\$6,500	\$6,500	\$6,500
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	3,298	2,899	4,182	3,284	3,000	3,000	3,000
Sub-total	\$3,298	\$2,899	\$4,182	\$3,284	\$3,000	\$3,000	\$3,000
TOTAL EXPENSES	\$244,157	\$176,141	\$174,575	\$228,697	\$284,749	\$272,644	\$279,341
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$88,432	\$80,969	\$87,813	\$107,542	\$99,204	\$107,921	\$113,129
ALLOCATED INTERNAL G&A	\$83,515	\$208,436	\$56,160	\$90,812	\$91,331	\$112,747	\$116,163
ALLOCATED OPERATIONS SERVICES	(\$416,104)	(\$465,546)	(\$318,548)	(\$427,051)	(\$475,284)	(\$493,312)	(\$508,633)



FACILITIES AND OPERATIONS

Construction – 701322

FUNCTION

To provide preventive maintenance, emergency response, repair and new facility installation to the District's potable and recycled water distribution and transmission systems and trunk sewers and other piping systems. In addition, this section handles Underground Service Alert locations, large leak detection, trunk sewer oversight and maintenance, and provides specialized construction support to all other operating and maintenance sections.

OBJECTIVES

1. Provide cross training, technical training and work or project team opportunities for staff to build employee skills and competencies.
2. Provide construction services for the maintenance of distribution system appurtenances identified by Water Operation Division's valve maintenance program.
3. Provide specialized construction support for the facility maintenance and operating divisions.
4. Provide oversight and maintenance to the trunk sewer system.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Construction Supervisor	1.0	1.0	1.0	1.0
Senior Water Worker	2.0	2.0	2.0	2.0
Water Worker I,II	2.0	2.0	2.0	2.0
Collection Systems Technician	1.0	1.0	1.0	1.0
TOTAL	6.0	6.0	6.0	6.0

SIGNIFICANT CHANGES

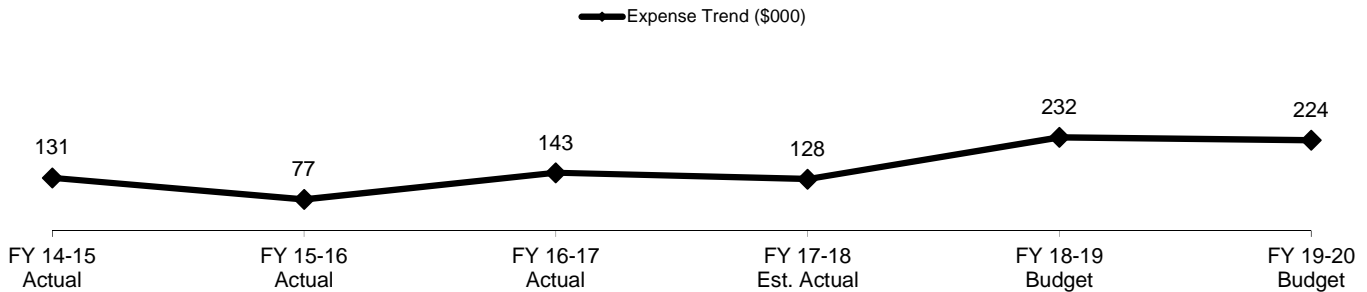
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 5725 Supplies and Small Tools – Funds for purchase of materials and tools, which cannot be directly charged to an operating and maintenance business unit.
- 6230 Safety Equipment – Funds necessary to purchase safety equipment unique to the section. Typical expenditures in this category include: respirators and cartridges and other miscellaneous safety equipment.
- 6830 Training & Professional Development – Funds to provide training for staff members. Training also includes funds to bring trainers to the District on various maintenance issues.
- 5405.2 Telephone – Funds for cellular phone equipment and pagers and associated service charges.

**Las Virgenes Municipal Water District
Facilities and Operations
Construction - 701322**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$421,208	\$433,051	\$457,490	\$536,313	\$406,447	\$468,210	\$482,235
6102 Staff Overtime	41,287	24,974	65,129	15,952	33,204	15,034	15,485
6105 Staff Benefits	169,797	89,742	140,724	215,365	167,468	220,577	225,645
6105.1 OPEB	32,212	30,326	29,733	15,878	21,917	63,022	63,022
6110 Staff Taxes	59,460	54,021	66,221	62,123	51,643	59,956	61,676
Sub-total	\$723,964	\$632,114	\$759,297	\$845,631	\$680,679	\$826,799	\$848,063
6115 Staff Costs Recovered	(603,816)	(575,821)	(635,788)	(784,552)	(568,186)	(623,785)	(639,778)
Net Payroll Expenses	\$120,148	\$56,293	\$123,509	\$61,079	\$112,493	\$203,014	\$208,285
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	3,119	2,290	4,049	2,301	2,500	5,000	2,500
Sub-total	\$3,119	\$2,290	\$4,049	\$2,301	\$2,500	\$5,000	\$2,500
HUMAN RESOURCES							
6830 Training & Prof. Development	1,101	175	1,741	836	250	1,000	1,000
Sub-total	\$1,101	\$175	\$1,741	\$836	\$250	\$1,000	\$1,000
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,742	2,188	3,859	2,253	2,500	2,500	2,500
Sub-total	\$1,742	\$2,188	\$3,859	\$2,253	\$2,500	\$2,500	\$2,500
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	4,653	15,948	10,198	10,000	10,000	20,000	10,000
Sub-total	\$4,653	\$15,948	\$10,198	\$10,000	\$10,000	\$20,000	\$10,000
TOTAL EXPENSES	\$130,763	\$76,894	\$143,356	\$76,469	\$127,743	\$231,514	\$224,285
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$135,249	\$123,829	\$134,296	\$164,467	\$151,718	\$165,048	\$173,013
ALLOCATED INTERNAL G&A	\$48,795	\$108,671	\$44,333	\$48,494	\$54,072	\$55,804	\$57,272
ALLOCATED OPERATIONS SERVICES	(\$314,807)	(\$309,394)	(\$321,985)	(\$289,430)	(\$333,533)	(\$452,366)	(\$454,570)



FACILITIES AND OPERATIONS

Reclamation Administration – 701340

FUNCTION

To provide administrative direction and support to the Wastewater Treatment and Composting Facility Section and the Laboratory including scheduling, goal setting, research and project development.

OBJECTIVES

1. Manage compliance with all regulatory permits.
2. Support District-wide planning and compliance with the Tapia NPDES Permit.
3. Manage District-wide efforts to ensure compliance with the Malibu Creek discharge prohibition requirements in the NPDES permit.
4. Ensure odor removal facilities are operated efficiently and effectively.
5. Optimize labor, energy and chemical usage at both Tapia and Rancho.
6. Continue the successful and efficient operation of the nutrient reduction facilities.
7. Continue efforts to maximize energy management efficiency.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Water Reclamation Manager	1.0	1.0	1.0	1.0
Secretary	1.0	1.0	1.0	1.0
Management Analyst II	1.0	1.0	1.0	1.0
TOTAL	3.0	3.0	3.0	3.0

SIGNIFICANT CHANGES

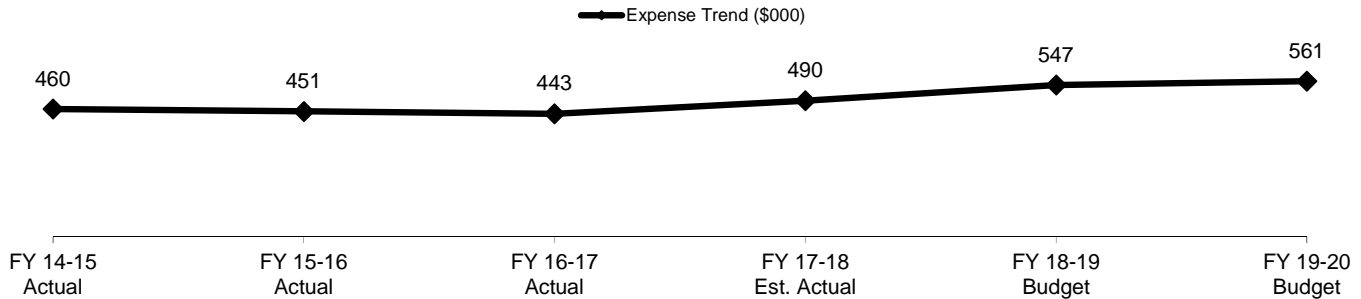
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6200 Forms, Supplies and Postage – Funds to purchase miscellaneous needs of the division.
- 6830 Training & Prof. Development – Funds for attending CWEA, WEF, US Composting Council, miscellaneous biosolids treatment specialty conferences and administrative skills training classes.
- 7110 Travel/Misc. Expenses – Funds for expenses associated with attending meetings of the LA RWQCB, SCAQMD, CalRecycle, SCAP and other wastewater treatment-related organizations.

**Las Virgenes Municipal Water District
Facilities and Operations
Reclamation Administration - 701340**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$318,090	\$330,618	\$303,431	\$340,775	\$326,175	\$343,553	\$353,838
6102 Staff Overtime	171	3,448	1,487	3,079	2,468	2,958	3,047
6105 Staff Benefits	103,443	74,703	95,108	128,526	124,976	140,773	144,252
6105.1 OPEB	14,102	17,468	15,046	7,972	11,028	31,645	31,645
6110 Staff Taxes	26,341	29,669	29,893	28,786	27,032	29,618	30,266
Sub-total	\$462,147	\$455,906	\$444,965	\$509,138	\$491,679	\$548,547	\$563,048
6115 Staff Costs Recovered	(2,865)	(5,305)	(2,359)	(3,985)	(2,062)	(3,156)	(3,240)
Net Payroll Expenses	\$459,282	\$450,601	\$442,606	\$505,153	\$489,617	\$545,391	\$559,808
HUMAN RESOURCES							
6830 Training & Prof. Development	195	332	35	609	70	600	600
Sub-total	\$195	\$332	\$35	\$609	\$70	\$600	\$600
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	13	13	44	0	0	200	0
Sub-total	\$13	\$13	\$44	\$0	\$0	\$200	\$0
OPERATING EXPENSE							
5405.2 Utilities - Telephone	212	222	455	640	440	440	440
Sub-total	\$212	\$222	\$455	\$640	\$440	\$440	\$440
TOTAL EXPENSES							
	\$459,702	\$451,168	\$443,140	\$506,402	\$490,127	\$546,631	\$560,848
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$10,404	\$9,502	\$10,305	\$12,621	\$11,642	\$12,665	\$13,276
ALLOCATED INTERNAL G&A	(\$220,593)	(\$211,919)	(\$203,773)	(\$240,305)	(\$216,246)	(\$245,523)	(\$252,566)
ALLOCATED OPERATIONS SERVICES	(\$249,513)	(\$248,751)	(\$249,672)	(\$278,718)	(\$285,523)	(\$313,773)	(\$321,558)



FACILITIES AND OPERATIONS

Laboratory – 701341

FUNCTION

To provide certified laboratory services in support of operations, compliance and source control (pre-treatment program) activities in potable water, recycled water, wastewater and watershed programs.

OBJECTIVES

1. Enhance laboratory operations and services through the on-going implementation of the Laboratory Information Management System (LIMS).
2. Continue to train and assist the Water and Reclamation Divisions in utilizing the LIMS to optimize operation.
3. Continue to provide support for District special projects and studies.
4. Maintain laboratory certification.
5. Maintain the pre-treatment program coordination and compliance activities.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Laboratory Supervisor	1.0	1.0	1.0	1.0
Laboratory Technician I, II	3.0	3.0	3.0	3.0
Laboratory Assistant	2.0	2.0	2.0	2.0
TOTAL	6.0	6.0	6.0	6.0

SIGNIFICANT CHANGES

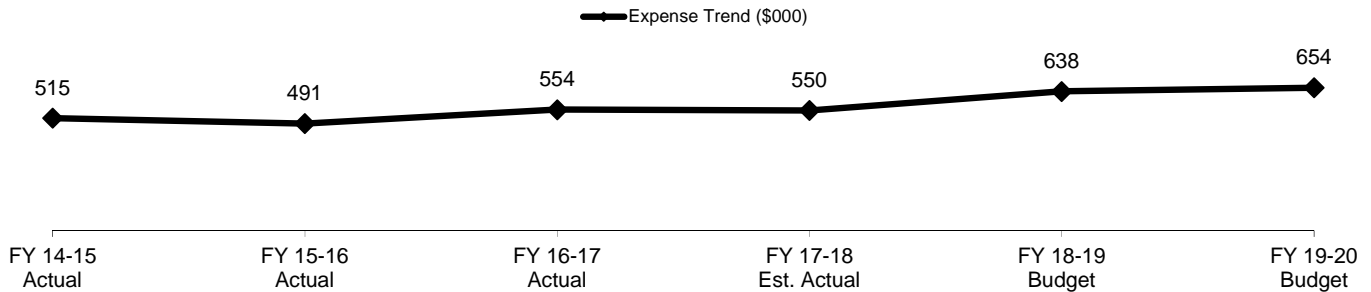
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6830 Training & Prof. Development – Funds for attending CWEA, CWEA/AWWA Specialty Conferences/Workshops and special skills (including computer) training classes.
- 7110 Travel/Misc. Expenses – Funds for expenses associated with attending MWD meetings and workshops.
- 5510 Supplies/Materials – Funds to purchase supplies (including safety items such as goggles and gloves), chemicals and glassware used in the laboratory.
- 5515 Outside Services – Funds for laboratory equipment calibration and maintenance.
- 5520 Permits/Fees – Fees associated with the annual California Department of Public Health permit (\$2,800).

**Las Virgenes Municipal Water District
Facilities and Operations
Laboratory - 701341**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$431,504	\$445,332	\$443,782	\$478,864	\$432,688	\$464,503	\$478,438
6102 Staff Overtime	15,460	16,478	15,445	14,278	20,544	13,817	14,232
6105 Staff Benefits	153,493	80,399	131,827	193,017	159,061	207,531	212,441
6105.1 OPEB	22,741	27,755	26,324	13,887	19,347	55,123	55,123
6110 Staff Taxes	43,299	48,759	50,891	49,779	48,111	48,435	49,888
Sub-total	\$666,497	\$618,723	\$668,269	\$749,825	\$679,751	\$789,409	\$810,122
6115 Staff Costs Recovered	(214,456)	(206,477)	(190,598)	(213,356)	(198,179)	(221,398)	(227,192)
Net Payroll Expenses	\$452,041	\$412,246	\$477,671	\$536,469	\$481,572	\$568,011	\$582,930
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	450	204	2,096	450	3,042	1,000	1,030
Sub-total	\$450	\$204	\$2,096	\$450	\$3,042	\$1,000	\$1,030
HUMAN RESOURCES							
6830 Training & Prof. Development	35	59	100	250	100	300	309
Sub-total	\$35	\$59	\$100	\$250	\$100	\$300	\$309
MAINTENANCE EXPENSE							
5510 Supplies/Materials	53,700	64,015	65,630	52,275	51,000	55,000	56,650
5515 Outside Services	3,604	9,750	3,681	7,644	10,000	7,500	7,725
5520 Permits/Fee	2,811	4,236	4,236	4,300	4,236	5,300	5,300
5530 Capital Outlay	1,970	341	481	0	0	500	515
Sub-total	\$62,085	\$78,342	\$74,028	\$64,219	\$65,236	\$68,300	\$70,190
TOTAL EXPENSES	\$514,611	\$490,851	\$553,895	\$601,388	\$549,950	\$637,611	\$654,459
ALLOCATED EXPENSES							
ALLOCATED LABORATORY EXPENSES	(\$525,015)	(\$500,353)	(\$564,200)	(\$614,009)	(\$561,592)	(\$650,276)	(\$667,735)
ALLOCATED VEHICLE EXPENSES	\$10,404	\$9,502	\$10,305	\$12,621	\$11,642	\$12,665	\$13,276
ALLOCATED INTERNAL G&A	\$368,272	\$188,766	\$352,997	\$479,895	\$354,075	\$427,383	\$440,795
ALLOCATED OPERATIONS SERVICES	(\$368,272)	(\$188,766)	(\$352,997)	(\$479,895)	(\$354,075)	(\$427,383)	(\$440,795)



FACILITIES AND OPERATIONS

Wastewater Treatment Facility – 701342

FUNCTION

To properly operate and maintain wastewater treatment processes which meet the needs and requirements of the environment, public, staff, Joint Powers Authority, and regulatory agencies. The section is dedicated to providing technical support necessary to achieve reliable efficiency goals, troubleshoot problems and develop efficient and cost-effective solutions.

OBJECTIVES

1. Ensure compliance with the NPDES permit.
2. Continue to seek ways to minimize energy, chemical and labor cost.
3. Collaborate with District staff to ensure compliance with creek discharge prohibition requirements.
4. Efficiently operate the nutrient reduction facilities at Tapia and the centrate treatment facilities at Rancho.
5. Continue efforts to maximize energy management efficiency.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Chief Water Reclamation Plant Operator	1.0	1.0	1.0	1.0
Senior Water Reclamation Plant Operator	1.0	1.0	1.0	1.0
Water Reclamation Plant Operator OIT, I, II	6.0	6.0	6.0	6.0
TOTAL	8.0	8.0	8.0	8.0

SIGNIFICANT CHANGES

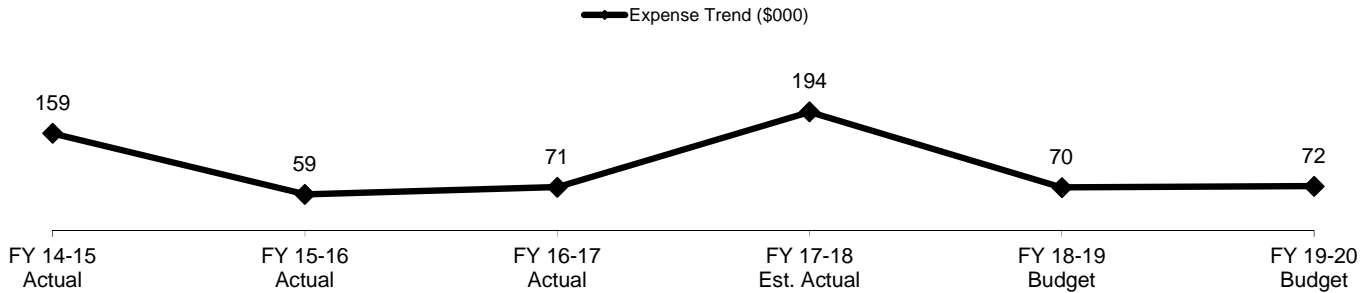
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6230 Safety Equipment – Funds used to purchase safety equipment such as rain gear, respirators, filter cartridges, dust masks, etc.
- 6830 Training and Professional Development – Funds for attending CWEA, specialty conferences and workshops, and operational skills training classes.

**Las Virgenes Municipal Water District
Facilities and Operations
Wastewater Treatment Facility - 701342**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$720,712	\$715,684	\$744,723	\$754,095	\$749,582	\$774,952	\$797,691
6102 Staff Overtime	95,212	111,510	118,233	47,924	152,512	50,499	52,014
6105 Staff Benefits	300,187	153,503	203,892	298,652	265,725	325,237	332,963
6105.1 OPEB	38,300	42,782	41,843	22,290	30,796	83,796	83,796
6110 Staff Taxes	86,090	84,636	93,201	80,632	92,249	83,666	85,886
Sub-total	\$1,240,501	\$1,108,115	\$1,201,892	\$1,203,593	\$1,290,864	\$1,318,150	\$1,352,350
6115 Staff Costs Recovered	(1,082,960)	(1,052,314)	(1,136,549)	(1,145,726)	(1,098,387)	(1,252,497)	(1,284,791)
Net Payroll Expenses	\$157,541	\$55,801	\$65,343	\$57,867	\$192,477	\$65,653	\$67,559
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	1,044	1,293	1,014	2,144	1,200	1,500	1,500
Sub-total	\$1,044	\$1,293	\$1,014	\$2,144	\$1,200	\$1,500	\$1,500
HUMAN RESOURCES							
6830 Training & Prof. Development	99	1,219	4,391	1,015	800	2,203	2,269
Sub-total	\$99	\$1,219	\$4,391	\$1,015	\$800	\$2,203	\$2,269
OPERATING EXPENSE							
5405.2 Utilities - Telephone	650	786	38	792	0	792	816
Sub-total	\$650	\$786	\$38	\$792	\$0	\$792	\$816
TOTAL EXPENSES							
	\$159,334	\$59,099	\$70,786	\$61,818	\$194,477	\$70,148	\$72,144
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$20,808	\$19,004	\$20,611	\$25,241	\$23,284	\$25,330	\$26,553
ALLOCATED INTERNAL G&A	\$127,222	\$303,149	\$54,866	\$60,468	\$140,409	\$169,594	\$174,846
ALLOCATED OPERATIONS SERVICES	(\$307,364)	(\$381,252)	(\$146,263)	(\$147,527)	(\$358,170)	(\$265,072)	(\$273,543)



FACILITIES AND OPERATIONS

Composting Facility – 701343

FUNCTION

To properly operate and maintain solids handling and compost processes which meet the needs and requirements of the environment, public, staff, Joint Powers Authority, and regulatory agencies. The section is dedicated to providing technical support necessary to achieve reliable efficiency goals, troubleshoot problems and develop efficient and cost-effective solutions.

OBJECTIVES

1. Continue to seek ways to minimize energy, chemical and labor cost.
2. Operate Rancho odor control facilities efficiently and effectively.
3. Continue to support expansion of the Community Compost Program and compost sales.
4. Continue efforts to maximize energy management efficiency.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Compost Operations Supervisor	1.0	1.0	1.0	1.0
Water Reclamation Plant Operator OIT, I, II	6.0	6.0	6.0	6.0
TOTAL	7.0	7.0	7.0	7.0

SIGNIFICANT CHANGES

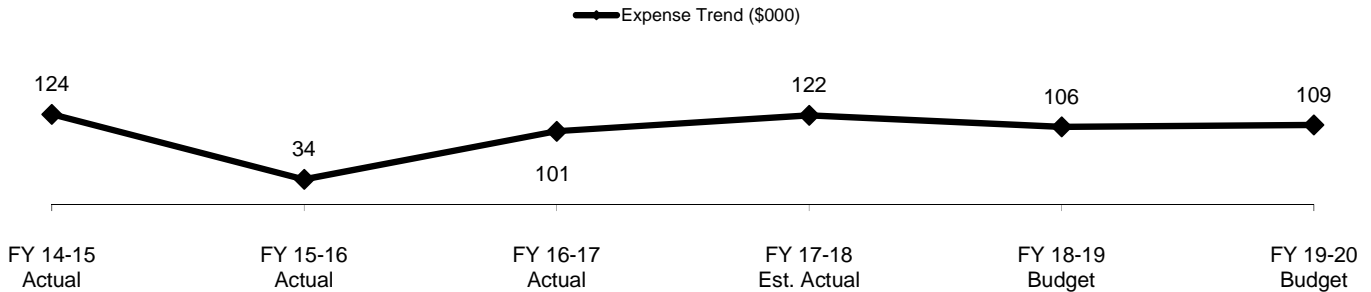
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6230 Safety Equipment – Funds used to purchase safety equipment such as rain gear, respirators, filter cartridges, dust masks, etc.
- 6830 Training and Professional Development – Funds for attending CWEA, specialty conferences and workshops, and operational skills training classes.

**Las Virgenes Municipal Water District
Facilities and Operations
Composting Facility - 701343**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$505,560	\$501,507	\$549,036	\$541,528	\$561,301	\$567,678	\$584,687
6102 Staff Overtime	19,029	28,546	24,316	14,794	\$36,312	15,342	15,802
6105 Staff Benefits	199,119	124,121	204,665	236,500	\$220,911	264,892	271,039
6105.1 OPEB	30,182	42,285	34,950	18,419	\$25,562	73,110	73,110
6110 Staff Taxes	50,685	55,967	63,236	56,360	\$62,692	59,069	60,839
Sub-total	\$804,575	\$752,426	\$876,203	\$867,601	\$906,778	\$980,091	\$1,005,477
6115 Staff Costs Recovered	(685,887)	(720,808)	(782,413)	(751,879)	(787,136)	(878,905)	(901,613)
Net Payroll Expenses	\$118,688	\$31,618	\$93,790	\$115,722	\$119,642	\$101,186	\$103,864
OFFICE EQUIPMENT & POSTAGE							
6230 Safety Equipment	1,669	2,105	2,766	3,367	1,500	3,000	3,000
Sub-total	\$1,669	\$2,105	\$2,766	\$3,367	\$1,500	\$3,000	\$3,000
HUMAN RESOURCES							
6830 Training & Prof. Development	2,468	50	2,066	1,523	800	1,200	1,200
Sub-total	\$2,468	\$50	\$2,066	\$1,523	\$800	\$1,200	\$1,200
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,072	593	530	597	300	600	600
Sub-total	\$1,072	\$593	\$530	\$597	\$300	\$600	\$600
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	0	0	1,465	102	0	500	500
Sub-total	\$0	\$0	\$1,465	\$102	\$0	\$500	\$500
TOTAL EXPENSES	\$123,897	\$34,366	\$100,617	\$121,311	\$122,242	\$106,486	\$109,164
ALLOCATED EXPENSES							
ALLOCATED VEHICLE EXPENSES	\$26,009	\$23,806	\$25,818	\$31,618	\$29,167	\$31,730	\$33,261
ALLOCATED INTERNAL G&A	\$98,123	\$207,854	\$75,143	\$100,472	\$83,962	\$108,587	\$111,906
ALLOCATED OPERATIONS SERVICES	(\$248,029)	(\$266,026)	(\$201,578)	(\$253,401)	(\$235,371)	(\$246,803)	(\$254,331)



FACILITIES AND OPERATIONS

Planning and Technical Services – 701350

FUNCTION

To provide technical and engineering support, facility inspection and project management services in support of all District functions.

OBJECTIVES

1. Implement, design and construct potable and recycled water facilities identified in the district's Infrastructure Investment Report and funded in current budgets.
2. Provide technical support to the operating units to accomplish budgeted maintenance and operation capital improvement and outlay projects.
3. Provide design services; plan review, construction inspection, and related administrative services for new development.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Principal Engineer	1.0	1.0	1.0	1.0
Senior Engineer	1.0	1.0	1.0	1.0
Assistant, Associate Civil Engineer	2.0	1.0	2.0	2.0
Technical Services Support Supervisor	1.0	1.0	1.0	1.0
Facilities Inspector	1.0	1.0	1.0	1.0
Secretary	1.0	1.0	1.0	1.0
Planning/New Development Technician	1.0	1.0	1.0	1.0
Technical Services Support Specialist	1.0	1.0	1.0	1.0
TOTAL	9.0	8.0	9.0	9.0

SIGNIFICANT CHANGES

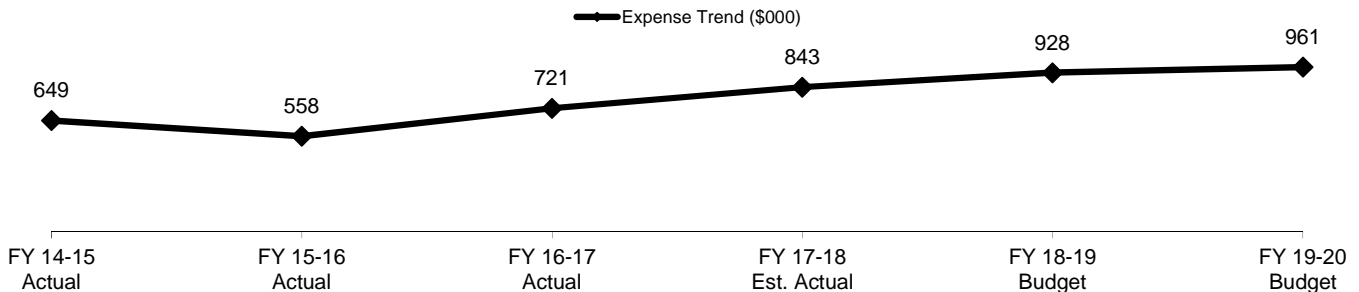
No significant changes are proposed for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 6115 Staff Cost Recovered – Direct charge time for managing capital improvement and developer funded projects.
- 6830 Training & Prof. Development – Training and professional development related activities.
- 5405.2 Telephone – Funds for cellular phone equipment.
- 5725 Supplies and Small Tools – Funds to purchase or rent miscellaneous equipment required by the inspectors.

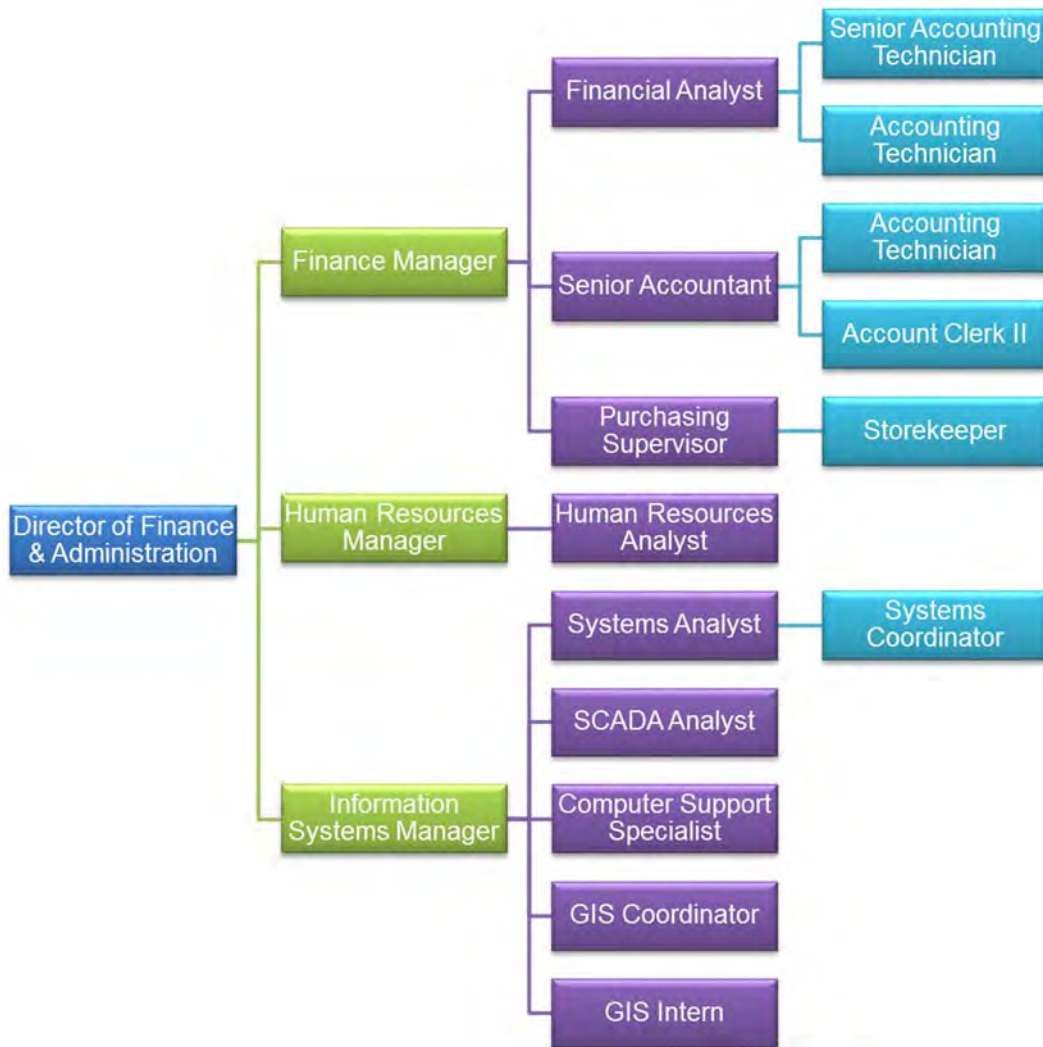
**Las Virgenes Municipal Water District
Facilities and Operations
Planning and Technical Services - 701350**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$765,356	\$763,726	\$865,861	\$982,460	\$907,432	975,952	1,005,231
6102 Staff Overtime	26,215	29,420	4,732	15,870	16,111	15,839	16,314
6105 Staff Benefits	281,934	162,951	270,022	389,205	357,529	421,587	431,839
6105.1 OPEB	34,189	44,172	53,082	28,164	39,207	111,792	111,792
6110 Staff Taxes	66,518	71,166	80,295	84,201	80,585	89,717	91,930
Sub-total	\$1,174,212	\$1,071,435	\$1,273,992	\$1,499,900	\$1,400,864	\$1,614,887	\$1,657,106
6115 Staff Costs Recovered	(529,079)	(515,758)	(557,982)	(664,750)	(559,356)	(692,742)	(701,863)
Net Payroll Expenses	\$645,133	\$555,677	\$716,010	\$835,150	\$841,508	\$922,145	\$955,243
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	779	104	645	102	350	360	370
6230 Safety Equipment	747	329	1,113	711	0	0	0
Sub-total	\$1,526	\$433	\$1,758	\$813	\$350	\$360	\$370
HUMAN RESOURCES							
6830 Training & Prof. Development	976	862	1,823	1,288	1,288	5,000	5,000
Sub-total	\$976	\$862	\$1,823	\$1,288	\$1,288	\$5,000	\$5,000
OTHER G&A EXPENSES							
7110 Travel/Misc. Expenses	42	72	289	127	127	130	135
Sub-total	\$42	\$72	\$289	\$127	\$127	\$130	\$135
OPERATING EXPENSE							
5405.2 Utilities - Telephone	822	753	423	792	42	43	45
Sub-total	\$822	\$753	\$423	\$792	\$42	\$43	\$45
GEN'L SPECIALTY EXPENSE							
5725 Supplies and Small Tools	427	136	547	365	146	150	155
Sub-total	\$427	\$136	\$547	\$365	\$146	\$150	\$155
TOTAL EXPENSES	\$648,926	\$557,933	\$720,850	\$838,535	\$843,461	\$927,828	\$960,948
ALLOCATED EXPENSES							
ALLOCATED TECHNICAL SERVICES	(\$81,116)	(\$78,720)	(\$89,542)	(\$93,077)	(\$105,433)	(\$102,989)	(\$106,665)
ALLOCATED VEHICLE EXPENSES	\$15,606	\$14,303	\$15,512	\$18,998	\$17,525	\$19,064	\$19,985
ALLOCATED INTERNAL G&A	\$275,242	\$275,825	\$311,145	\$374,450	\$332,319	\$392,136	\$403,430
ALLOCATED OPERATIONS SERVICES	(\$858,658)	(\$769,341)	(\$957,965)	(\$1,138,906)	(\$1,087,872)	(\$1,236,039)	(\$1,277,698)



FINANCE AND ADMINISTRATION

The Finance and Administration Department is responsible for providing internal services in support of the District’s mission including financial analysis, budget, investments, staff development and recruitment, and information technology. The department is also in charge of accounts payable, warehousing, purchasing, risk management and other administrative programs.

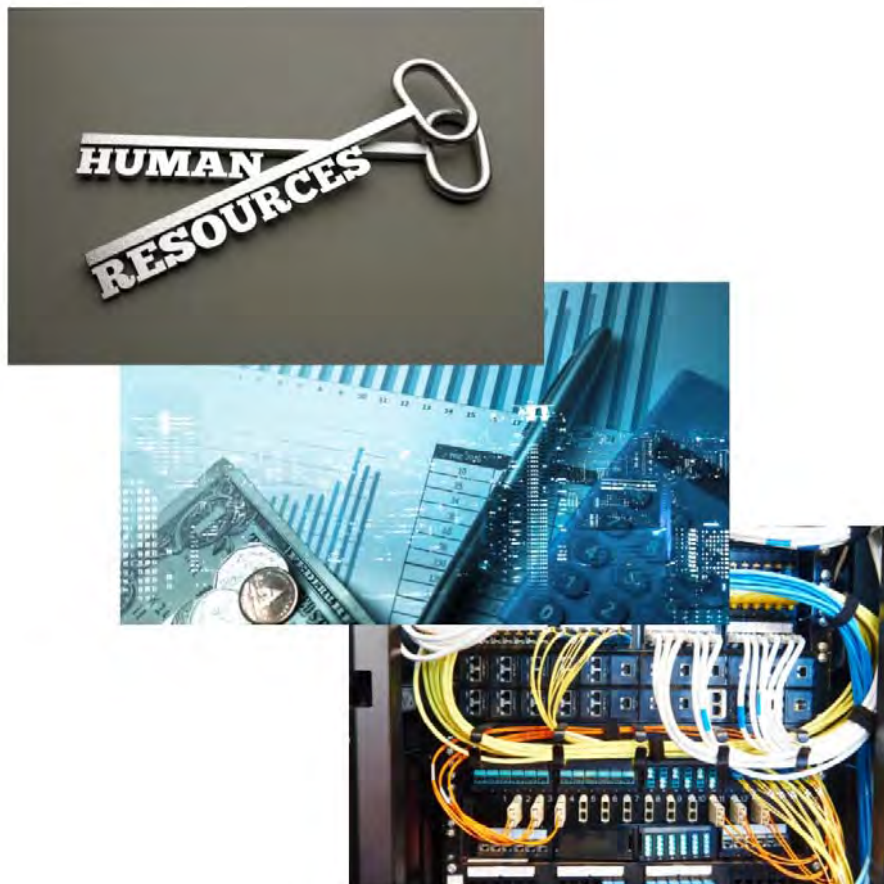


Key Accomplishments from FY 2016-18

- Implementation of the Information Systems Master Plan.
 - Completed transition to new disaster recovery platform.
 - Transitioned all phones to voice over IP (VoIP)
- Implementation of a fraud hotline.
- Received GFOA CAFR Award
- Received GFOA Budget Award
- Maintained the District's AA credit rating.
- Reduced the Potable Water Deficit by \$X million
- Recruited and filled 35 positions.

Notable Goals for FY 2018-20

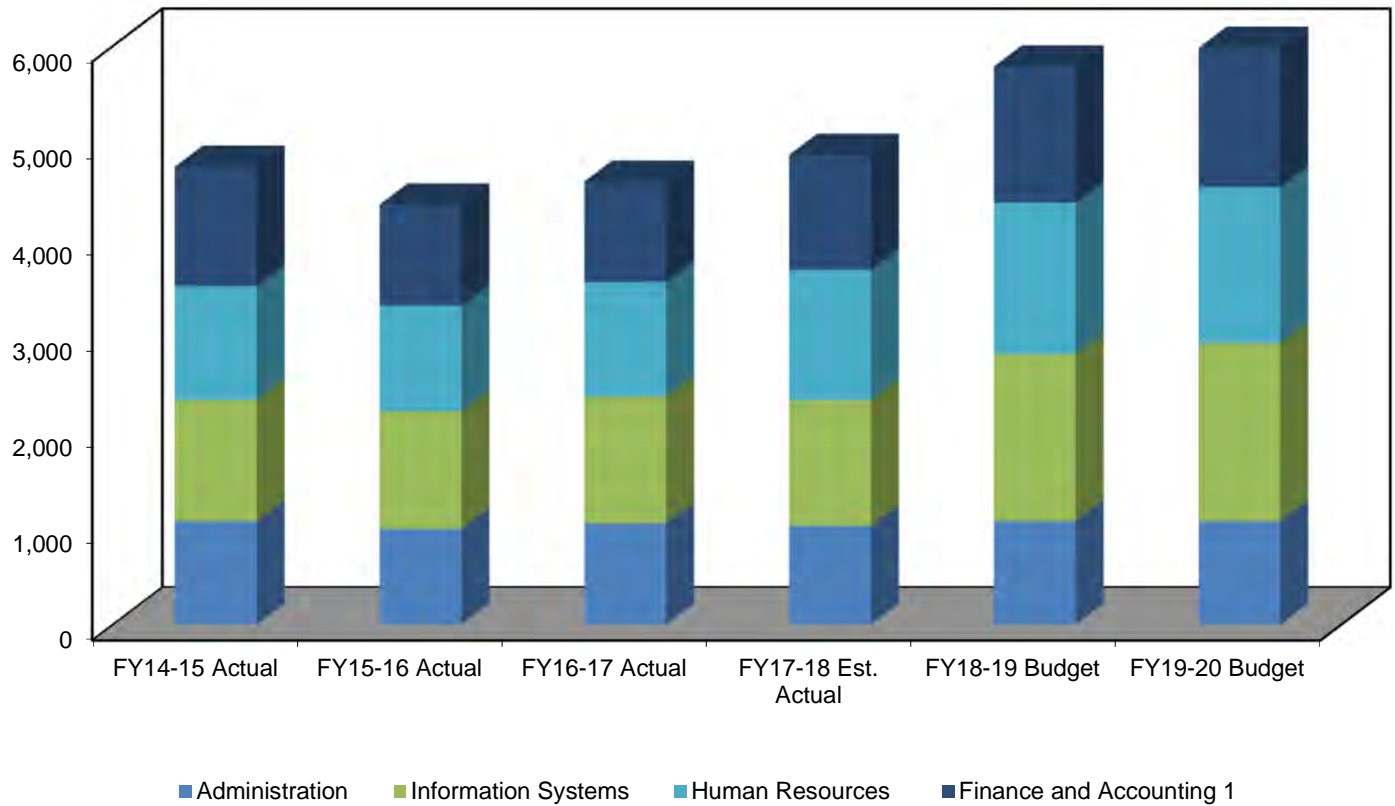
- Complete an evaluation and selection process for a new or upgraded Enterprise Resource Management program.
- Formalize a succession planning effort.



Las Virgenes Municipal Water District
Finance and Administration Summary
(Dollars in Thousands)

	FY14-15 Actual	FY15-16 Actual	FY16-17 Actual	FY17-18 Est. Actual	FY18-19 Budget	FY19-20 Budget
Administration	1,074	995	1,050	1,025	1,076	1,074
Information Systems	1,258	1,218	1,318	1,303	1,730	1,845
Human Resources	1,178	1,099	1,185	1,355	1,570	1,618
Finance and Accounting ¹	1,237	1,043	1,040	1,187	1,409	1,442
	4,747	4,355	4,593	4,871	5,786	5,980

¹ includes Inventory Adjustment



**Las Virgenes Municipal Water District
Finance and Administration**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$1,721,398	\$1,807,688	\$1,801,996	\$2,039,761	\$1,852,156	\$2,067,579	\$2,128,993
6102 Staff Overtime	18,622	9,848	16,897	25,887	16,741	26,703	27,503
6105 Staff Benefits	670,985	356,703	503,349	771,861	721,353	841,920	862,748
6105.1 OPEB	76,132	92,461	94,996	49,888	69,956	198,017	198,017
6110 Staff Taxes	140,498	151,394	153,326	164,329	144,960	174,647	178,880
Sub-total	\$2,627,635	\$2,418,094	\$2,570,564	\$3,051,726	\$2,805,166	\$3,308,866	\$3,396,141
6115 Staff Costs Recovered	(106,839)	(121,717)	(141,511)	(180,171)	(174,126)	(160,798)	(164,619)
Net Payroll Expenses	\$2,520,796	\$2,296,377	\$2,429,053	\$2,871,555	\$2,631,040	\$3,148,068	\$3,231,522
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	94,364	92,819	72,356	103,950	65,208	83,150	85,450
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	2,500	2,813	12,500	7,500
6215 Equipment Maintenance	323,015	341,912	344,472	329,000	336,571	348,528	371,866
6220 Outside Services	7,556	7,601	10,833	9,600	8,800	9,795	9,996
6230 Safety Equipment	147	225	225	0	0	0	0
6250 Equipment Interest Expense	2,962	3,847	6,961	3,500	5,472	3,864	2,385
Sub-total	\$436,525	\$454,335	\$442,567	\$456,150	\$425,284	\$464,237	\$483,597
PROFESSIONAL SERVICES							
6500 Legal Services	10,087	16,464	6,351	15,000	8,000	15,000	15,000
6516 Other Professional Services	71,386	29,366	102,289	483,115	28,422	226,000	248,500
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	\$253,254	\$131,345	\$198,457	\$663,715	\$182,767	\$391,500	\$353,000
HUMAN RESOURCES							
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	745,778	701,312	739,055	907,080	888,238	929,097	999,708
6815 Employee Recognition Function	11,897	8,180	9,269	10,000	9,200	10,000	10,000
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	37,781	32,460	33,771	84,410	40,338	97,825	91,575
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
Sub-total	\$828,665	\$779,329	\$821,078	\$1,066,490	\$980,286	\$1,096,922	\$1,161,283
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	3,365	3,060	4,075	4,420	8,562	4,500	4,350
7110 Travel/Misc. Expenses	246	924	746	900	538	1,000	1,020
7135.1 Property Insurance	32,707	32,678	33,759	35,014	31,910	32,866	33,852
7135.2 Liability Insurance	133,693	141,804	157,410	144,976	134,939	138,987	143,157
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
Sub-total	\$480,381	\$494,696	\$515,333	\$526,370	\$476,955	\$486,869	\$501,181
OPERATING EXPENSE							
5400 Labor	15,696	6,856	7,906	13,054	17,781	12,982	13,316
5405.2 Utilities - Telephone	92,681	95,519	95,261	91,050	104,497	101,350	101,350
5430 Capital Outlay	95,079	89,470	88,481	75,500	57,902	75,500	125,500
Sub-total	\$203,456	\$191,845	\$191,648	\$179,604	\$180,180	\$189,832	\$240,166
INVENTORY EXPENSE							
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
TOTAL EXPENSES	\$4,747,938	\$4,355,075	\$4,593,169	\$5,776,589	\$4,870,637	\$5,786,128	\$5,979,749
ALLOCATED EXPENSES							
ALLOCATED CUSTOMER INFO SYSTEMS	(\$295,787)	(\$266,463)	(\$275,293)	(\$299,783)	(\$323,804)	(\$328,248)	(\$345,854)
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED INTERNAL G&A	(\$951,298)	(\$1,121,776)	(\$1,005,086)	(\$1,251,144)	(\$981,349)	(\$1,301,017)	(\$1,319,985)
ALLOCATED SUPPORT SERVICES(G&A)	(\$3,506,055)	(\$2,971,637)	(\$3,317,997)	(\$4,232,039)	(\$3,571,366)	(\$4,163,262)	(\$4,320,618)
ALLOCATED OPERATIONS SERVICES(G&A)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ALLOCATED EXPENSES	(\$4,747,938)	(\$4,355,075)	(\$4,593,169)	(\$5,776,589)	(\$4,870,637)	(\$5,786,128)	(\$5,979,749)

FINANCE AND ADMINISTRATION

Administration – 701410

FUNCTION

To support the District's mission and General Manager's initiatives and to provide overall supervision and staff assistant support services to finance, information systems, human resources and risk management.

OBJECTIVES

1. Provide periodic status reports to the Board, including finance, information systems, human resources and risk management.
2. Coordinate administrative services throughout the District.
3. Explore innovations and alternatives in administrative functions that can provide economy, efficiency, integrity or improved customer service for the District.
4. Support other departments and programs in achieving their objectives.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Director of Finance and Administration	1.0	1.0	1.0	1.0
Secretary	1.0	1.0	1.0	1.0
TOTAL	2.0	2.0	2.0	2.0

SIGNIFICANT CHANGES

There are no significant changes budgeted for FY18-19 or FY19-20 that affect the scope or level of service.

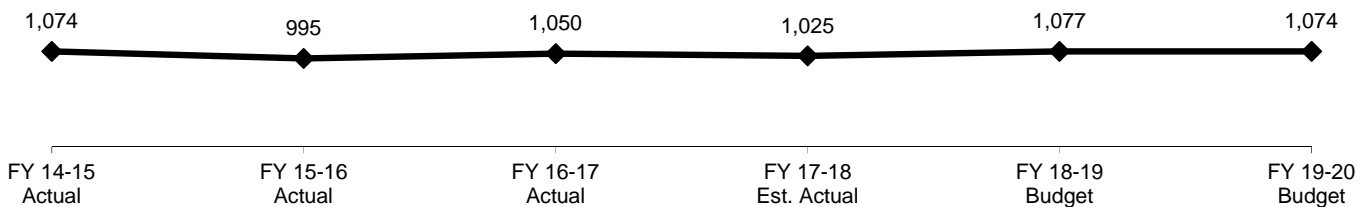
LINE ITEM EXPLANATIONS

- 6200 Forms, Supplies & Postage – All general District supplies and postage costs are funded from this account.
- 6220 Outside Services – Includes armored car service for taking receipts to the bank.
- 6517 Audit Fees – Annual Las Virgenes MWD financial audit expenses.
- 6522 Management Consulting Fees – Consultation with management consultants; including arbitrage calculations, post-employment benefits actuarial study, tax advisory services, and fixed assets valuation study.
- 7135 General Insurance – Total insurance premium for general liability, auto, property and earthquake insurance is projected to be \$841,230 in FY18-19 and \$866,467 in FY19-20 Potable Water Administrative Division (101900) and Joint Powers Authority Administrative Division (751840) also pay a portion of property and earthquake insurance.

**Las Virgenes Municipal Water District
Finance and Administration
Administration - 701410**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$263,624	\$279,774	\$284,957	\$289,019	\$284,898	\$302,454	\$311,527
6102 Staff Overtime	0	1,419	321	1,250	2,364	1,352	1,392
6105 Staff Benefits	85,317	39,971	71,801	104,810	104,951	117,099	120,052
6105.1 OPEB	5,256	6,596	11,935	6,413	8,879	25,454	25,454
6110 Staff Taxes	19,676	18,312	18,866	18,219	13,281	19,893	20,251
Sub-total	\$373,873	\$346,072	\$387,880	\$419,711	\$414,373	\$466,252	\$478,676
6115 Staff Costs Recovered	0	(293)	(850)	0	(771)	(651)	(667)
Net Payroll Expenses	\$373,873	\$345,779	\$387,030	\$419,711	\$413,602	\$465,601	\$478,009
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	70,766	66,461	52,732	75,000	55,000	56,650	58,350
6205 Equipment Rental	5,104	3,228	3,890	5,200	4,000	4,000	4,000
6215 Equipment Maintenance	0	0	0	1,000	500	1,000	1,000
6220 Outside Services	3,787	3,697	6,120	6,500	6,500	6,695	6,896
Sub-total	\$79,657	\$73,386	\$62,742	\$87,700	\$66,000	\$68,345	\$70,246
PROFESSIONAL SERVICES							
6516 Other Professional Services	1,780	1,937	1,155	1,500	1,000	1,000	1,000
6517 Audit Fees	37,500	31,664	29,055	38,100	23,845	0	0
6522 Management Consultant Fees	96,277	39,928	50,633	50,000	45,000	50,000	20,000
Sub-total	\$135,557	\$73,529	\$80,843	\$89,600	\$69,845	\$51,000	\$21,000
HUMAN RESOURCES							
6830 Training & Prof. Development	6,922	10,253	8,487	9,500	6,000	8,000	7,000
Sub-total	\$6,922	\$10,253	\$8,487	\$9,500	\$6,000	\$8,000	\$7,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	1,030	680	1,920	1,020	500	1,100	950
7110 Travel/Misc. Expenses	103	188	473	200	300	300	320
7135.1 Property Insurance	32,707	32,678	33,759	35,014	31,910	32,866	33,852
7135.2 Liability Insurance	133,693	141,804	157,410	144,976	134,939	138,987	143,157
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
Sub-total	\$477,185	\$491,580	\$509,446	\$522,270	\$468,150	\$482,769	\$497,081
OPERATING EXPENSE							
5405.2 Utilities - Telephone	1,176	558	994	1,100	1,100	1,100	1,100
Sub-total	\$1,176	\$558	\$994	\$1,100	\$1,100	\$1,100	\$1,100
TOTAL EXPENSES	\$1,074,370	\$995,085	\$1,049,542	\$1,129,881	\$1,024,697	\$1,076,815	\$1,074,436
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$275,277)	(\$230,550)	(\$241,890)	(\$279,789)	(\$238,057)	(\$262,175)	(\$252,068)
ALLOCATED SUPPORT SERVICES	(\$799,093)	(\$764,535)	(\$807,652)	(\$850,092)	(\$786,640)	(\$814,640)	(\$822,368)

Expense Trend (\$000)



FINANCE AND ADMINISTRATION

Information Systems – 701420

FUNCTION

Information Systems provides support and advisory services for all district automated information and communication systems. The Information Systems division provides district-wide support of financial software, customer information software, internet services, office automation, local and wide area networks, phone systems, GIS, and SCADA.

OBJECTIVES

1. Administer projects and programs identified in the District's Information Systems Master Plan.

FY 2018-19

- a. Audio / Video Conferencing
- b. JDE PIER / ERP Assessment
- c. CIS Version Upgrade

FY 2019-20

- a. Electronic Document Management
- b. Agenda Management

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Information Systems Manager	1.0	1.0	1.0	1.0
Systems Analyst	1.0	1.0	1.0	1.0
Systems Coordinator	1.0	-	1.0	1.0
SCADA Analyst	1.0	1.0	1.0	1.0
GIS Coordinator	1.0	1.0	1.0	1.0
Computer Support Specialist	1.0	1.0	1.0	1.0
TOTAL	6.0	5.0	6.0	6.0

SIGNIFICANT CHANGES

There are no significant changes budgeted for FY18-19 or FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

6215 Equipment Maintenance – License and maintenance agreements for software and hardware. Largest items are maintenance for GIS software; Customer Information System; disaster recovery for financial and customer information systems; and for Financial, Payroll, HR, Inventory, Payables, and Job Cost software.

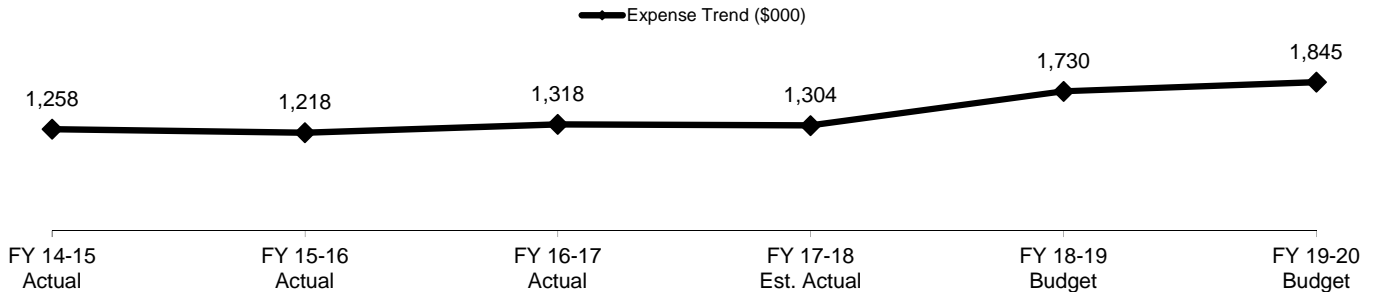
6516 Other Professional Services – Technical assistance associated with the implementation of system changes. Also includes costs of to implement items from the IS Master Plan listed under goals.

5405.2 Telephone – Includes cost for Internet, and connections to remote sites.

5430 Capital Outlay – Replacement of equipment not capitalized such as printers, computers, servers, network hardware, and phone equipment.

**Las Virgenes Municipal Water District
Finance and Administration
Information Systems - 701420**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$492,016	\$547,870	\$562,682	\$652,271	\$608,369	\$649,806	\$669,236
6102 Staff Overtime	16,738	7,385	15,636	11,717	8,939	11,883	12,239
6105 Staff Benefits	168,941	106,255	155,360	255,814	228,762	278,485	285,279
6105.1 OPEB	27,164	32,499	33,191	17,621	24,440	69,941	69,941
6110 Staff Taxes	42,431	48,641	52,024	56,541	51,345	58,519	60,032
Sub-total	\$747,290	\$742,650	\$818,893	\$993,964	\$921,855	\$1,068,634	\$1,096,727
6115 Staff Costs Recovered	(103,957)	(119,267)	(136,996)	(177,900)	(170,033)	(156,418)	(160,124)
Net Payroll Expenses	\$643,333	\$623,383	\$681,897	\$816,064	\$751,822	\$912,216	\$936,603
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	18,713	25,269	18,354	27,100	9,008	24,800	25,400
6205 Equipment Rental	2,501	2,811	2,391	2,400	2,420	2,400	2,400
6210 Equipment Repairs	876	1,892	1,439	2,500	2,813	12,500	7,500
6215 Equipment Maintenance	323,015	341,912	344,472	328,000	336,071	347,528	370,866
6250 Equipment Interest Expense	2,962	3,847	6,961	3,500	5,472	3,864	2,385
Sub-total	\$348,067	\$375,731	\$373,617	\$363,500	\$355,784	\$391,092	\$408,551
PROFESSIONAL SERVICES							
6516 Other Professional Services	69,606	27,429	101,134	481,615	27,422	225,000	247,500
Sub-total	\$69,606	\$27,429	\$101,134	\$481,615	\$27,422	\$225,000	\$247,500
HUMAN RESOURCES							
6830 Training & Prof. Development	11,072	7,913	3,631	22,000	8,438	28,000	28,000
Sub-total	\$11,072	\$7,913	\$3,631	\$22,000	\$8,438	\$28,000	\$28,000
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	240	355	420	1,000	662	1,000	1,000
Sub-total	\$240	\$355	\$420	\$1,000	\$662	\$1,000	\$1,000
OPERATING EXPENSE							
5405.2 Utilities - Telephone	91,295	94,740	93,835	89,700	103,147	100,000	100,000
5430 Capital Outlay	94,531	88,547	63,828	73,000	56,402	73,000	123,000
Sub-total	\$185,826	\$183,287	\$157,663	\$162,700	\$159,549	\$173,000	\$223,000
TOTAL EXPENSES	\$1,258,144	\$1,218,098	\$1,318,362	\$1,846,879	\$1,303,677	\$1,730,308	\$1,844,654
ALLOCATED EXPENSES							
ALLOCATED CUSTOMER INFO SYSTEMS	(\$295,787)	(\$266,463)	(\$275,293)	(\$299,783)	(\$323,804)	(\$328,248)	(\$345,854)
ALLOCATED VEHICLE EXPENSES	\$5,202	\$4,801	\$5,207	\$6,377	\$5,882	\$6,399	\$6,708
ALLOCATED INTERNAL G&A	(\$262,551)	(\$346,844)	(\$313,515)	(\$465,391)	(\$255,384)	(\$430,014)	(\$466,120)
ALLOCATED SUPPORT SERVICES	(\$705,008)	(\$609,592)	(\$734,761)	(\$1,088,082)	(\$730,371)	(\$978,445)	(\$1,039,388)



FINANCE AND ADMINISTRATION

Human Resources – 701430

FUNCTION

To recruit, develop, support and motivate a highly qualified and diverse staff by providing competitive compensation and benefits; ensure consistent application of and compliance with District policies and procedures and applicable laws and regulations; ensure a safe, productive and injury free worksite; and to foster a collaborative and inclusive work place and positive labor relations.

OBJECTIVES

1. Promote employment at the District through engaging in community activities: career and job fairs.
2. Coordinate and ensure the District’s Safety and Health Program meets compliance standards through remaining current on changes in legislature, updating of policies, new training approaches including intranet based training.
3. Develop, revise and implement policies and procedures that ensure compliance and consistency.
4. Negotiate successor MOU’s to promote positive labor relations and sustainable employee benefits.
5. Assist in organizational development through improved employee engagement, training, workforce diversity and professional development programs.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Human Resources Manager	1.0	1.0	1.0	1.0
Human Resources Coordinator (eliminated in FY 2017-18)	1.0	-	-	-
Human Resources Analyst I/II (added in FY 2017-18)		1.0	1.0	1.0

This budget includes 1 part-time Intern position.

SIGNIFICANT CHANGES

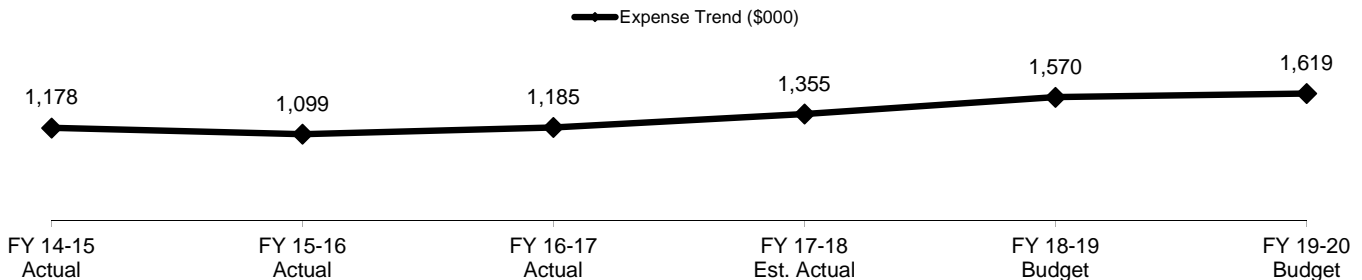
There are no significant changes budgeted for FY18-19 or FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6522 Management Consultant –Maintain budget for FY 18-19 for labor negotiations and restore to \$37,500 in FY 19-20.
- 6812 Retired Employee Benefits – Retired staff benefits; increase in costs associated with rising premium levels and more retirees in Tier 1.
- 6830 Training & Professional Development – Maintain the same level of budget in FY18-19 & FY 19-20 to focus on succession planning, training and professional development of staff.
- 5430 Capital Outlay – Maintain the same level of budget for Ergonomic Workstation Equipment needs.

**Las Virgenes Municipal Water District
Finance and Administration
Human Resources - 701430**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$229,363	\$237,251	\$242,205	\$253,173	\$205,744	\$289,673	\$297,823
6102 Staff Overtime	0	0	0	1,433	0	1,848	1,903
6105 Staff Benefits	67,898	40,523	60,174	89,282	74,238	100,527	103,104
6105.1 OPEB	7,441	9,331	9,523	4,562	7,010	18,108	18,108
6110 Staff Taxes	17,168	17,781	18,297	18,689	14,056	22,470	22,859
Sub-total	\$321,870	\$304,886	\$330,199	\$367,139	\$301,048	\$432,626	\$443,797
6115 Staff Costs Recovered	0	0	0	0	0	0	0
Net Payroll Expenses	\$321,870	\$304,886	\$330,199	\$367,139	\$301,048	\$432,626	\$443,797
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	324	149	315	500	200	500	500
6220 Outside Services	3,769	3,904	4,230	3,100	2,300	3,100	3,100
Sub-total	\$4,093	\$4,053	\$4,545	\$3,600	\$2,500	\$3,600	\$3,600
PROFESSIONAL SERVICES							
6500 Legal Services	10,087	16,464	6,351	15,000	8,000	15,000	15,000
6522 Management Consultant Fees	38,004	13,923	10,129	77,500	77,500	70,500	37,500
Sub-total	\$48,091	\$30,387	\$16,480	\$92,500	\$85,500	\$85,500	\$52,500
HUMAN RESOURCES							
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	745,778	701,312	739,055	907,080	888,238	929,097	999,708
6815 Employee Recognition Function	11,897	8,180	9,269	10,000	9,200	10,000	10,000
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	11,595	10,266	17,564	45,000	18,000	45,000	45,000
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
Sub-total	\$802,479	\$757,135	\$804,871	\$1,027,080	\$957,948	\$1,044,097	\$1,114,708
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	679	900	1,155	1,000	6,000	1,000	1,000
7110 Travel/Misc. Expenses	0	736	26	500	138	500	500
7145 Claims Paid	718	0	3,459	0	505	0	0
Sub-total	\$1,397	\$1,636	\$4,640	\$1,500	\$6,643	\$1,500	\$1,500
OPERATING EXPENSE							
5430 Capital Outlay	548	923	24,653	2,500	1,500	2,500	2,500
Sub-total	\$548	\$923	\$24,653	\$2,500	\$1,500	\$2,500	\$2,500
TOTAL EXPENSES							
	\$1,178,478	\$1,099,020	\$1,185,388	\$1,494,319	\$1,355,139	\$1,569,823	\$1,618,605
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$375,921)	(\$414,098)	(\$379,393)	(\$473,106)	(\$433,263)	(\$544,076)	(\$531,182)
ALLOCATED SUPPORT SERVICES	(\$802,557)	(\$684,922)	(\$805,995)	(\$1,021,213)	(\$921,876)	(\$1,025,747)	(\$1,087,423)



FINANCE AND ADMINISTRATION

Finance and Accounting – 701440

FUNCTION

To maintain financial oversight of all District funds and accounts and to provide accounting, financial, purchasing and warehouse services throughout the District. The Accounting Division is responsible for the processing of accounts payable and payroll, managing cash flow and investments, producing financial reports, performing purchasing and warehousing functions, as well as coordinating the budget process and the annual financial audit.

OBJECTIVES

1. Continue to provide internal and external financial reporting and receive “Certificate of Achievement for Excellence in Financial Reporting” from Government Finance Officers Association.
2. Continue to submit budget document to receive award from the California Society of Municipal Finance Officers and Government Finance Officers Association.
3. Continue to provide high quality cash management support to all District departments but to also continue technology enhancements that will further improve the payment process for our customers and businesses.

PERSONNEL

Position Title	2017-18 Authorized Positions	Filled as of 4/15/2018	2018-19 Proposed Positions	2019-20 Proposed Positions
Finance Manager	1.0	1.0	1.0	1.0
Financial Analyst	1.0	1.0	1.0	1.0
Senior Accountant	1.0	1.0	1.0	1.0
Senior Accounting Technician	1.0	1.0	1.0	1.0
Accounting Technician	2.0	2.0	2.0	2.0
Account Clerk I, II	1.0	1.0	1.0	1.0
Purchasing Supervisor	1.0	1.0	1.0	1.0
Storekeeper	1.0	1.0	1.0	1.0

SIGNIFICANT CHANGES

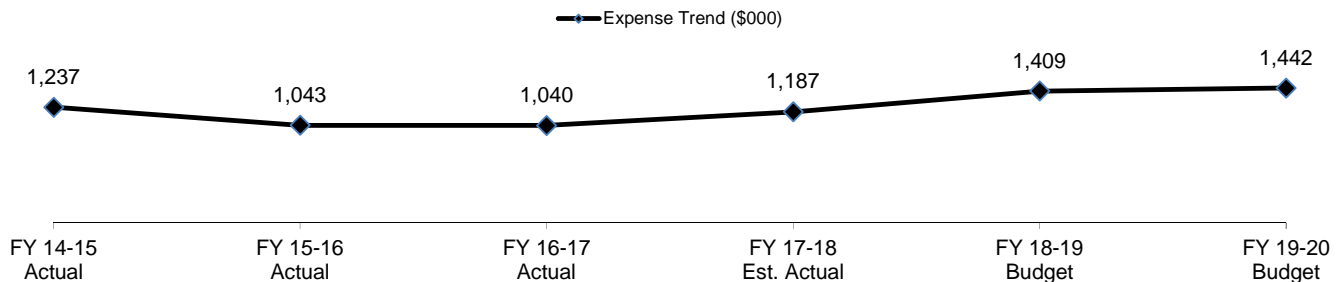
There are no significant changes budgeted for FY18-19 or FY19-20 that affect the scope or level of service.

LINE ITEM EXPLANATIONS

- 6200 Forms, Supplies & Postage – General accounting, accounts payable and payroll related supplies.
- 6220 Outside Services – Funds used to provide temporary and part-time personnel for this division.
- 5400 Labor – Support provided by other units for annual inventory and for warehouse receiving.
- 5405.2 Telephone – Includes cell phone and pager for warehouse function.

**Las Virgenes Municipal Water District
Finance and Administration
Finance and Accounting - 701440**

	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
PAYROLL EXPENSES							
6100 Staff Salaries	\$736,395	\$742,793	\$712,152	\$845,298	\$753,145	\$825,646	\$850,407
6102 Staff Overtime	1,884	1,044	940	11,487	5,438	11,620	11,969
6105 Staff Benefits	348,829	169,954	216,014	321,955	313,402	345,809	354,313
6105.1 OPEB	36,271	44,035	40,347	21,292	29,627	84,514	84,514
6110 Staff Taxes	61,223	66,660	64,139	70,880	66,278	73,765	75,738
Sub-total	\$1,184,602	\$1,024,486	\$1,033,592	\$1,270,912	\$1,167,890	\$1,341,354	\$1,376,941
6115 Staff Costs Recovered	(2,882)	(2,157)	(3,665)	(2,271)	(3,322)	(3,729)	(3,828)
Net Payroll Expenses	\$1,181,720	\$1,022,329	\$1,029,927	\$1,268,641	\$1,164,568	\$1,337,625	\$1,373,113
OFFICE EQUIPMENT & POSTAGE							
6200 Forms, Supplies & Postage	4,561	940	955	1,350	1,000	1,200	1,200
6220 Outside Services	0	0	483	0	0	0	0
6230 Safety Equip	147	225	225	0	0	0	0
Sub-total	\$4,708	\$1,165	\$1,663	\$1,350	\$1,000	\$1,200	\$1,200
PROFESSIONAL SERVICES							
6517 Audit Fees	0	0	0	0	0	30,000	32,000
Sub-total	\$0	\$0	\$0	\$0	\$0	\$30,000	\$32,000
HUMAN RESOURCES							
6830 Training & Prof. Development	8,192	4,028	4,089	7,910	7,900	16,825	11,575
Sub-total	\$8,192	\$4,028	\$4,089	\$7,910	\$7,900	\$16,825	\$11,575
OTHER G&A EXPENSES							
7105 Dues/Subscriptions/Memberships	1,416	1,125	580	1,400	1,400	1,400	1,400
7110 Travel/Misc. Expenses	143	0	247	200	100	200	200
Sub-total	\$1,559	\$1,125	\$827	\$1,600	\$1,500	\$1,600	\$1,600
OPERATING EXPENSE							
5400 Labor	15,696	6,856	7,906	13,054	17,781	12,982	13,316
5405.2 Utilities - Telephone	210	221	432	250	250	250	250
Sub-total	\$15,906	\$7,077	\$8,338	\$13,304	\$18,031	\$13,232	\$13,566
INVENTORY EXPENSE							
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
TOTAL EXPENSES	\$1,236,946	\$1,042,872	\$1,039,877	\$1,305,510	\$1,187,124	\$1,409,182	\$1,442,054
ALLOCATED EXPENSES							
ALLOCATED INTERNAL G&A	(\$37,549)	(\$130,284)	(\$70,288)	(\$32,858)	(\$54,646)	(\$64,752)	(\$70,614)
ALLOCATED SUPPORT SERVICES	(\$1,199,397)	(\$912,588)	(\$969,589)	(\$1,272,652)	(\$1,132,478)	(\$1,344,430)	(\$1,371,440)





CAPITAL IMPROVEMENT PROJECTS

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

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

- Potable Water Construction Fund – Provides for increases in capacity/size/capability of component facilities or new systems required to support new development, new demands, or new customers of the potable water system. Primary source of revenue for this Fund is the component of the Water Capacity Fees for new development related to potable water.
- Potable Water Replacement Fund – Provides for the orderly replacement, upgrade, and repair of existing facilities serving present customers of the potable water system. Sources of revenue for this Fund are Potable Water Rates and the Potable Water Standby Charge.
- Recycled Water Conservation Fund – Similar to the Potable Water Construction Fund in nature and use. 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 – This fund is similar to the Potable Water Replacement Fund. It 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 – Similar to other construction funds, it 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 – Similar to other replacement funds, it provides for projects to repair, upgrade and replace component facilities in the Sanitation System. Source of revenue for this Fund is Sewer Rates.

Many of the projects identified in the Recycled Water Funds and Sanitation Funds 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 typically governed by the JPA agreement and is based on capacity rights, flow amounts and other defined criteria.

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.

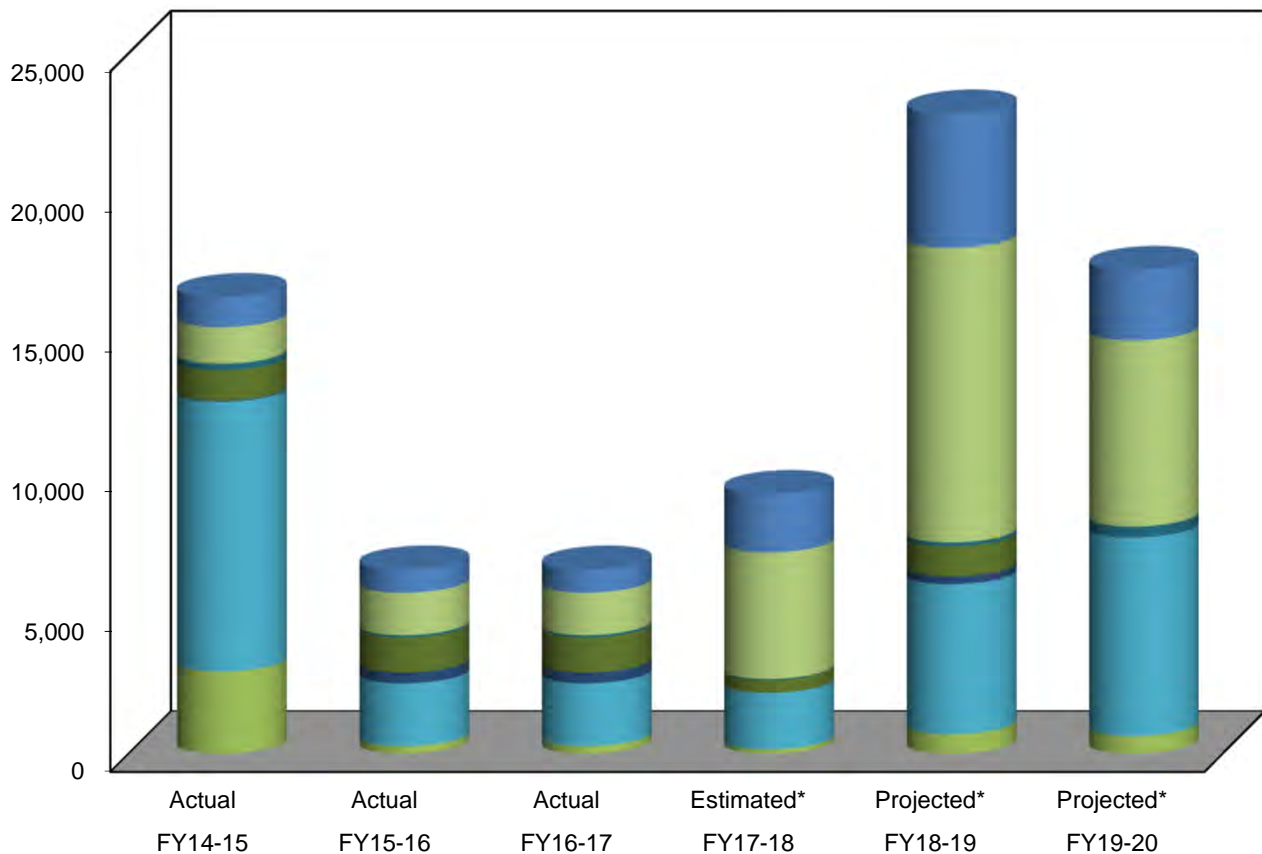
Over the last several years the District has made a significant financial commitment in the maintenance and replacement of its existing infrastructure. This focus is a result in the shift of capital planning from construction of facilities to meet new service demands, to the maintenance of infrastructure that serves existing customers. In addition, the nutrient reduction plans consistent with the current adopted NPDES Permit required significant, high-cost projects in recent years. Successful completion of the projects is accomplished by the coordination of project managers (engineers or operation managers) and outside contractors.

Replacing aging/ailing equipment and facilities, especially when there have been advances in technology and design, can reduce or defer annual maintenance and repair expenses. Efficiencies in operations may be realized by the completion of these projects, even when the direct benefit is not quantified.

The District has actively pursued funding for capital projects from various Federal, State and County government agencies. Currently the Los Angeles County Flood Control District has secured State of California Proposition 84 funding for the LVMWD-CMWD Interconnection project up to the amount of \$1,975,517. No other grant funds are currently approved for the proposed capital improvements. The District has also plans to apply to the State of California Clean Water State Revolving Loan fund to borrow an anticipated \$7.8 million to defer the costs of the AMR/AMI Implementation project.

Las Virgenes Municipal Water District
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*
Potable Water Construction Fund	2,929	272	272	158	694	628
Potable Water Replacement Fund	9,633	2,237	2,237	2,013	5,351	7,085
Recycled Water Construction Fund	41	383	383	2	279	-
Recycled Water Replacement Fund	1,089	1,258	1,258	455	1,074	-
Sanitation Construction Fund	226	77	77	40	139	392
Sanitation Replacement Fund	1,304	1,516	1,516	4,513	10,518	6,646
Total LVMWD Funds	15,222	5,743	5,743	7,181	18,055	14,751
Triunfo Sanitation District (share of JPA Projects)	1,075	827	827	2,086	4,793	2,515
Total all Funds	16,297	6,570	6,570	9,267	22,848	17,266



■ Potable Water Construction Fund
■ Potable Water Replacement Fund
■ Recycled Water Construction Fund
■ Recycled Water Replacement Fund
■ Sanitation Construction Fund
■ Sanitation Replacement Fund
■ Triunfo Sanitation District

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

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
10430	Twin Lakes Pump Station Pipeline Project	Continuing	\$128,619	\$1,066,726	\$1,195,345	\$1,066,726
10556	Interconnection With CMWD	Continuing	\$1,499,363	\$0	\$1,499,363	\$1,379,730
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
10593	CIS Infinity Software Upgrade	Continuing	\$88,823	\$0	\$88,823	\$0
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
60033	Pavement Restoration Rancho	New	\$0	\$0	\$0	\$533,320
60046	Building No. 8 Office Space Rehabilitation	New	\$0	\$0	\$0	\$401,100
60047	Cornell Pump Station Upgrades	New	\$0	\$100,000	\$100,000	\$832,500
70003	Rancho Reliability Improvements	Annual	\$0	\$100,000	\$100,000	\$100,000
70008	Tapia Water Reclamation Facility Reliability Improvements	Annual	\$0	\$100,000	\$100,000	\$100,000
70011	Tapia Sluice Gate and Drive Replacement	New	\$0	\$556,600	\$556,600	\$212,800
80713	Vehicle Replacement	Annual	\$0	\$175,000	\$175,000	\$175,000

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
99940	AMR IMPLEMENTATION	New	\$0	\$235,000	\$235,000	\$1,567,789
99975	A/B Bus Electrical Modification	New	\$0	\$100,000	\$100,000	\$0
99990	Potable Water System PLC Upgrade Phase I	New	\$0	\$143,000	\$143,000	\$0
192001	Electronic Document Management System	New	\$0	\$0	\$0	\$100,000
192002	ERP System	New	\$0	\$500,000	\$500,000	\$1,000,000
192003	IT Capital Purchases	Annual	\$0	\$75,000	\$75,000	\$75,000
201801	Cordillera Tank Rehabilitation	New	\$0	\$1,201,267	\$1,201,267	\$0
201803	Calabasas Park Recycled Water Main Extension	New	\$0	\$320,000	\$320,000	\$0
201806	Tapia Headworks White Room Floor Plate Repair and Steel Framing Replacement	New	\$0	\$55,000	\$55,000	\$0
201807	Rancho LV Storm Water Diversion Structure Replacement	New	\$0	\$30,000	\$30,000	\$0
201808	Tapia Effluent Pump Station 4160 V Feeder Relocation	New	\$0	\$0	\$0	\$100,000
201810	Tapia Tertiary Filters Rehabilitation	New	\$0	\$0	\$0	\$60,000
201812	Develop Tour Seating Area at Tapia & Fish Tank Removal	New	\$0	\$25,000	\$25,000	\$0
201813	Centrate 20-Inch Valve Repair	New	\$0	\$150,000	\$150,000	\$0
201814	Tapia Building Access Control	New	\$0	\$0	\$0	\$50,000
201816	Saddle Peak Tank Rehabilitation	New	\$0	\$1,028,880	\$1,028,880	\$0
201817	Equestrian Tank Concrete Column Repair	New	\$0	\$0	\$0	\$61,500
201818	Upper Oaks and Dardenne Tank Rehabilitation	New	\$0	\$0	\$0	\$733,578
201822	Stationary Emergency Generators for Critical Potable Water Pump	New	\$0	\$50,000	\$50,000	\$200,000
201823	New Valve Turning Truck	New	\$0	\$130,000	\$130,000	\$0
201824	Pressure Regulating Station Rehabilitation #45 (Kimberly Pump Station)	New	\$0	\$180,000	\$180,000	\$0

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
201825	Pressure Regulating Station Rehabilitation #23 (Old Chimney)	New	\$0	\$180,000	\$180,000	\$0
201826	Pressure Regulating Station Rehabilitation #55 (Hindu Temple)	New	\$0	\$0	\$0	\$180,000
201827	Replace Chemical Feed Pumps (Westlake)	New	\$0	\$0	\$0	\$40,000
201828	Mobile Emergency Generators Purchase	New	\$0	\$300,000	\$300,000	\$0
201829	Generator Connections at Potable Water Pump Stations	New	\$0	\$45,000	\$45,000	\$0
201830	Deerlake Tank and Twin Lakes Tank Pump Station	New	\$0	\$465,000	\$465,000	\$700,000
201831	New Fire Panel for Building #8	New	\$0	\$10,000	\$10,000	\$100,000
201833	Rancho Las Virgenes Digester Cleaning and Repair	New	\$0	\$225,000	\$225,000	\$1,300,000
201834	Building No. 7 Furniture	New	\$0	\$75,000	\$75,000	\$0
201835	Rancho Las Virgenes: FOG Receiving Facilities	New	\$0	\$30,000	\$30,000	\$0
201836	Boardroom Audio/Video Upgrade	New	\$0	\$60,000	\$60,000	\$0
201837	Management Dashboards	New	\$0	\$0	\$0	\$50,000
201838	Mobility Review	New	\$0	\$0	\$0	\$50,000
201839	Upper Oaks Pump Station Electrical Upgrade	New	\$0	\$10,000	\$10,000	\$0
Total CIP Budget			\$6,756,573	\$16,091,073	\$22,847,646	\$17,265,743

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
10236	Raise Air Vacuum Valves and Abandon Protective Structures	Olinger	2 Completed	Appr. Exp.	\$500,148 \$516,375	\$0	\$0
	Installation of air-vacuum valves above ground, including piping modifications on the arterial 30" main in West Hills, dismantling the old air vacuum valves inside protective structures and abandonment of these facilities.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	No
10430	Twin Lakes Pump Station Pipeline Project	Schlageter	2 Continuing	Appr. Exp.	\$544,732 \$416,113	\$1,066,726	\$1,066,726
	Construct a new 2,900 foot 14" steel pipeline from the 30" pipeline at Devonshire and Andora Street through Chatsworth Park to the Twin Lakes pump station. Plans and specifications are complete.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Construction		33.00%		0.00%	0.00%	
	Potable Water Replacement		67.00%				
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	No
10520	SCADA System Communication Upgrades	Schlageter	2 Deferred	Appr. Exp.	\$93,100 \$32,447	\$0	\$0
	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
10521	SCADA System Communication Upgrades (LV Only)	Schlageter	2 Deferred	Appr. Exp.	\$1,387,232 \$141,496	\$0	\$0
	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:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	Yes

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
10537	Raw Sludge Wet Well Mixing Improvements	Adams	2 Completed	Appr. Exp.	\$584,942 \$576,906	\$0	\$0
	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	Lost Hill Overpass Recycled Water Main Relocation	Zhao	2 Completed	Appr. Exp.	\$737,324 \$737,324	\$0	\$0
	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
10541	Building 8 Computer Center Upgrades	Schlageter	2 Completed	Appr. Exp.	\$221,070 \$129,594	\$0	\$0
	Construction of a new server room in Building No. 8 and associated HVAC, electrical, UPS system and server rack equipment. Includes pre-action fire sprinkler system.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	No
10556	Interconnection With CMWD	Schlageter	2 Continuing	Appr. Exp.	\$1,898,728 \$399,365	\$0	\$1,379,730
	Design and construction of a potable water intertie between CMWD and the District. The interconnection facilities for the District include 5,000 feet of 24 inch pipe in Lindero Canyon Blvd. from Thousand Oaks Blvd to the county line and a pressure reducing station.						
	<i>Sub-Projects: 10629 - Canyon Oaks RW Main Extension</i>						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Construction		20.00%		0.00%	0.00%	
	Potable Water Replacement		80.00%				
	Other Funding from: Proposition 84 - IRWM 2015 Implementation Grant				\$1,975,517		
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures	Yes

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
10557	Westlake Filtration Plant Expansion	Maple	1 Completed	Appr. \$5,127,017 Exp. \$4,612,711	\$0	\$0
	Install 2 additional filters to increase filtration capacity from 8,400 gpm to 12,000 gpm (18 MGD), filter to waste piping modifications, raw water reservoir expansion, elimination of clear well, replacement of filter pumps, VFD's, and two new diatomaceous earth (DE) body feed bins.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Construction		20.00%	0.00%	0.00%	
	Potable Water Replacement		80.00%			
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10564	Centrate Equalization Tank	Schlageter	2 Continuing	Appr. \$2,343,008 Exp. \$2,046,863	\$0	\$0
	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	Rancho Las Virgenes Digester Cleaning and Repair	Adams	1 Continuing	Appr. \$1,789,494 Exp. \$1,629,066	\$0	\$0
	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
10567	Programmable Logic Controller Upgrades	Schlageter	2 Continuing	Appr. \$332,850 Exp. \$0	\$0	\$376,700
	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

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
10586	AMR Implementation - FY 14-15	Johnson	1 Deferred	Appr. \$1,275,000 Exp. \$920	\$0	\$0
	Install Automated Meter Reading/Advanced Metering Infrastructure (AMR/AMI). This is part of a multiyear program. Out year cost projections for this program are included within IIP project No. 10627.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes
10589	WIMS Software Implementation		2 Completed	Appr. \$32,350 Exp. \$25,740	\$0	\$0
	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
10593	CIS Infinity Software Upgrade	Matthews	1 Continuing	Appr. \$150,000 Exp. \$61,177	\$0	\$0
	Purchase and migrate to latest version of District's billing system.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10596	Lift Stations Programmable Logic Controller Upgrades	Schlageter	2 Deferred	Appr. \$49,340 Exp. \$0	\$0	\$0
	This project replaces programmable logic controllers (PLC's) at the Lift Stations with newer PLCs and provides necessary equipment upgrades (fiber optics, network switches and programming) to complete the installation.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10597	Tapia Electrical and Instrumentation Upgrades	Korkosz	3 Completed	Appr. \$66,000 Exp. \$66,000	\$0	\$0
	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

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
10608	Rancho Amendment Bin and Conveyance Modification Project	Adams	2 Continuing	Appr. Exp.	\$428,650 \$241,076	\$1,260,000	\$0
	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
10610	LCD Video Wall System	Schlageter	3 Cancelled	Appr. Exp.	\$66,500 \$0	\$0	\$0
	The project consists of installing an interactive LCD Video Wall System.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10611	Tapia Duct Bank Infrastructure Upgrade	Korkosz	2 Continuing	Appr. Exp.	\$66,000 \$0	\$94,000	\$0
	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
10612	Building No. 7 Furniture	Triplett	3 Cancelled	Appr. Exp.	\$60,000 \$0	\$0	\$0
	Replace carpet and furniture in building No. 7.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10613	New Backhoe	Triplett	3 Completed	Appr. Exp.	\$146,300 \$98,349	\$0	\$0
	Replace a 1987 CASE back hoe that is past its useful life. The existing piece of equipment requires ongoing maintenance and repair.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No

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
10614	SCADA Hub Emergency Generator at Stunt Road Pump Station Install new generator for SCADA Hub emergency power.	Johnson	2 Completed	Appr. Exp.	\$43,100 \$65,593	\$0	\$0
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10615	Building No. 7 Fire Panel Replacement Replace original building 7 fire safety system.	Triplett	2 Completed	Appr. Exp.	\$57,300 \$26,000	\$0	\$0
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10616	IT Capital Purchases Purchase of Information Technology (IT) related software and equipment.	Matthews	3 Completed	Appr. Exp.	\$115,769 \$69,091	\$0	\$0
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
10617	Flow Meter Replacement - JPA Meters Replace end of life flow meters at two (2) locations. Includes the purchase of wireless flow meters and installation.	Anders	1 Cancelled	Appr. Exp.	\$25,849 \$0	\$0	\$0
	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	
10618	Flow Meter Replacement - LV Meter (1) Replace end of life flow meters at one (1) location. Includes the purchase of wireless flow meters and installation.	Anders	2 Cancelled	Appr. Exp.	\$9,283 \$0	\$0	\$0
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	

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	
10619	Summer Season 2013 TMDL Compliance	Dingman	1 Continuing	Appr. Exp.	\$200,000 \$149,760	\$440,000	\$2,220,000	
	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
10620	Potable Water Tank Coating Evaluation and Repair	Olinger	2 Completed	Appr. Exp.	\$30,000 \$30,990	\$0	\$0	
	The project consists of evaluating the coatings of four (4) steel tanks (Kimberly, Upper Twin Oaks, Twin Lakes Tank 1 & 2), 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 rehabilitations.							
	Project Funding:				JPA Share - LV:	JPA Share - TSD:		
	Potable Water Replacement		100.00%		0.00%	0.00%		
	Estimated Impact on Annual Operating Expense				\$0	Anticipated Future Expenditures		Yes
10621	Recycled Water Tank Coating Evaluation and Repair	Olinger	2 Completed	Appr. Exp.	\$30,000 \$22,590	\$0	\$0	
	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

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	Process Air Improvements	Schlageter	2 Continuing	Appr. \$1,621,584 Exp. \$447,166	\$2,119,000	\$0
	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
10627	AMR IMPLEMENTATION	Johnson	1 Deferred	Appr. \$9,404,855 Exp. \$0	\$0	\$0
	Install Automated Meter Reading/Advanced Metering Infrastructure (AMR/AMI).					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Other Funding from: State Revolving Loan Fund					
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures		No
10628	Nitrification Study	Zhao	2 Completed	Appr. \$39,477 Exp. \$9,888	\$0	\$0
	Develop a request for proposal (RFP) and hire a qualified consultant to make recommendations related to potable water system nitrification issues as part of a nitrification monitoring plan required by the Division of Drinking Water (DDW).					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures		No
10629	Canyon Oaks Park RW Main Extension	Schlageter	2 Continuing	Appr. \$399,780 Exp. \$4,904	\$0	\$0
	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%	
	Other Funding from: Prop 84 IRWMP					
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures		No

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
10635	Pure Water Project Las Virgenes-Triunfo	Lippman	1 Continuing	Appr. \$1,850,000 Exp. \$1,231,219	\$3,900,000	\$3,500,000
	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 & 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:	
	Recycled Water Conservation		0.00%	70.60%	29.40%	
	Sanitation Construction		0.00%			
	Sanitation Replacement		100.00%			
	Other Funding from: Grant funding			\$300,000		
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures	Yes	
10639	Westlake Pump Station Roof Repair & Improvements	Triplett	2 Completed	Appr. \$105,000 Exp. \$105,000	\$0	\$0
	Repair leaking pump station roof.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense		\$0	Anticipated Future Expenditures	No	
10640	Building 7 and 8 Lighting Efficiency Upgrade	Zhao	3 Completed	Appr. \$307,560 Exp. \$307,560	\$0	\$0
	Replace internal and external lights at various buildings at building No. 7 and No. 8.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Other Funding from: Incentives			\$9,000		
	Estimated Impact on Annual Operating Expense		(\$29,000)	Anticipated Future Expenditures	No	
10641	Tapia Lighting Efficiency Upgrade	Zhao	3 Completed	Appr. \$469,920 Exp. \$469,920	\$0	\$0
	Replace internal and external lights at Tapia.					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%	70.60%	29.40%	
	Other Funding from: Incentives			\$25,000		
	Estimated Impact on Annual Operating Expense		(\$53,000)	Anticipated Future Expenditures	No	

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
10642	Westlake Pump Station and Filtration Plant Landscaping	Zhao	2 Completed	Appr. Exp.	\$42,900 \$42,900	\$0	\$0
	Re-landscape areas near the Westlake Pump Station, and areas around the Westlake Filtration Plant.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
10643	Rancho Reliability Improvements FY 17-18	Dingman	2 Completed	Appr. Exp.	\$132,000 \$132,000	\$0	\$0
	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
10644	Vehicle Replacement FY 17-18	Triplett	2 Completed	Appr. Exp.	\$175,000 \$175,000	\$0	\$0
	Systematic replacement of district fleet based on age and condition of vehicles.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		Yes
10645	Potable Water Rehabilitation FY 17-18	Olinger	2 Completed	Appr. Exp.	\$198,000 \$198,000	\$0	\$0
	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. In FY 17-18, Barrymore (No. 25) and Old Chimney (No. 23) pressure reducing stations will be rehabilitated.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		Yes
10646	Tapia Water Reclamation Facility Reliability Improvements FY 17-18	Dingman	3 Completed	Appr. Exp.	\$132,000 \$132,000	\$0	\$0
	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

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
10650	Land Acquisition	Lippman	Completed	Appr. \$2,000,000 Exp. \$2,100,000	\$0	\$0
	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
10651	Tank Renovation: Equestrian Tank	Schlageter	3 Completed	Appr. \$10,000 Exp. \$20,740	\$0	\$0
	Repair tank where alkali-silica reactivity is indicated. Results from annual inspection will determine the timing of this project in the future. This project will be initiated following the completion of the Calabasas Tank renovation (IIP Project No. 10508).					
	Project Funding:			JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%	0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
10652	Rancho Las Virgenes: FOG Receiving Facilities	Dingman	3 Cancelled	Appr. \$25,000 Exp. \$0	\$0	\$0
	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
10653	Tapia Rehab FY17-18		Continuing	Appr. \$1,549,100 Exp. \$89,249	\$556,600	\$0
	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

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
10654	Hilton Foundation Solar Carport System	Zhao	2 Continuing	Appr. Exp.	\$300,000 \$1,395	\$0	\$0
	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
60033	Pavement Restoration Rancho	Dingman	3 New	Appr. Exp.	\$0 \$0	\$0	\$533,320
	Pavement restoration/slurry at Rancho						
	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
60046	Building No. 8 Office Space Rehabilitation	Schlageter	3 New	Appr. Exp.	\$0 \$0	\$0	\$401,100
	Replace carpet, paint, and other interior features are showing wear and have reached their useful life.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
60047	Cornell Pump Station Upgrades	Schlageter	2 New	Appr. Exp.	\$0 \$0	\$100,000	\$832,500
	The project consists of evaluation and upgrading the Cornell Pump Station to modernize the electrical and mechanical equipment including VFD's and motors and evaluate if the natural gas system should be upgraded or converted to electricity. In addition opportunities for increased capacity of the pump station will be evaluated.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
70003	Rancho Reliability Improvements		Annual	Appr. Exp.	\$0 \$0	\$100,000	\$100,000
	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

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
70008	Tapia Water Reclamation Facility Reliability Improvements	Dingman	3 Annual	Appr. Exp.	\$0 \$0	\$100,000	\$100,000
	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	
70011	Tapia Sluice Gate and Drive Replacement	Olinger	2 New	Appr. Exp.	\$0 \$0	\$556,600	\$212,800
	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	
80713	Vehicle Replacement	Triplett	2 Annual	Appr. Exp.	\$0 \$0	\$175,000	\$175,000
	Systematic replacement of district fleet based on age and condition of vehicles.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes	
99940	AMR IMPLEMENTATION	Johnson	1 New	Appr. Exp.	\$0 \$0	\$235,000	\$1,567,789
	Install Automated Meter Reading/Advanced Metering Infrastructure (AMR/AMI).						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes	
99975	A/B Bus Electrical Modification	Korkosz	3 New	Appr. Exp.	\$0 \$0	\$100,000	\$0
	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.						
	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	

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	
99990	Potable Water System PLC Upgrade Phase I	Schlageter	3 New	Appr. Exp.	\$0 \$0	\$143,000	\$0
	Upgrade half of the potable water system programmable logic controllers (PLCs) to replace old PLC's that are no longer supported.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
192001	Electronic Document Management System	Guzman	New	Appr. Exp.	\$0 \$0	\$0	\$100,000
	Implement an Electronic Document Management System (EDMS).						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
192002	ERP System	Saccareccia	New	Appr. Exp.	\$0 \$0	\$500,000	\$1,000,000
	Replacement of the Enterprise Resources Planning Program. This project will select and implement a new ERP program.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Sanitation Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
192003	IT Capital Purchases	Matthews	Annual	Appr. Exp.	\$0 \$0	\$75,000	\$75,000
	Purchase of Information Technology related software and equipment.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		Yes
201801	Cordillera Tank Rehabilitation	Olinger	2 New	Appr. Exp.	\$0 \$0	\$1,201,267	\$0
	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.						
	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

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
201803	Calabasas Park Recycled Water Main Extension	Schlageter	2 New	Appr. Exp.	\$0 \$0	\$320,000	\$0
	Install approximately 1,200 LF of 6-8 inch pipeline to loop the existing recycled water system.						
	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
201806	Tapia Headworks White Room Floor Plate Repair and Steel Framing Replacement	Dingman	2 New	Appr. Exp.	\$0 \$0	\$55,000	\$0
	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.						
	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
201807	Rancho LV Storm Water Diversion Structure Replacement	Dingman	2 New	Appr. Exp.	\$0 \$0	\$30,000	\$0
	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
201808	Tapia Effluent Pump Station 4160 V Feeder Relocation	Korkosz	2 New	Appr. Exp.	\$0 \$0	\$0	\$100,000
	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						
	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

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
201810	Tapia Tertiary Filters Rehabilitation	Dingman	2 New	Appr. Exp.	\$0 \$0	\$0 \$60,000
	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.					
	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
201812	Develop Tour Seating Area at Tapia & Fish Tank Removal	Lippman	3 New	Appr. Exp.	\$0 \$0	\$25,000 \$0
	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
201813	Centrate 20-Inch Valve Repair	Triplett	2 New	Appr. Exp.	\$0 \$0	\$150,000 \$0
	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
201814	Tapia Building Access Control	Korkosz	2 New	Appr. Exp.	\$0 \$0	\$0 \$50,000
	Add a Fob access control system to the current building alarm system					
	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

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	
201816	Saddle Peak Tank Rehabilitation	Olinger	2 New	Appr. Exp.	\$0 \$0	\$1,028,880	\$0
	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. Scheduled for FY19/20						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
201817	Equestrian Tank Concrete Column Repair	Olinger	2 New	Appr. Exp.	\$0 \$0	\$0	\$61,500
	Rehabilitation of concrete column pedestals in Equestrian tank						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
201818	Upper Oaks and Dardenne Tank Rehabilitation	Olinger	2 New	Appr. Exp.	\$0 \$0	\$0	\$733,578
	Tank coating rehabilitation for interior and exterior coating, valve and appurtenance upgrades and replacements, and work to ensure up-to-date compliance for safety and water quality equipment. Scheduled for FY20/21						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No
201822	Stationary Emergency Generators for Critical Potable Water Pump Stations	Zhao	1 New	Appr. Exp.	\$0 \$0	\$50,000	\$200,000
	This project is to study and design the installation of stationary emergency generators at several critical potable water pump stations including Jed Smith, Cold Canyon and Twin Lakes						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures		No

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
201823	New Valve Turning Truck	Miller	3 New	Appr. Exp.	\$0 \$0	\$130,000 \$0
	Purchase of a specialized truck to meet current and future DDW requirements regarding the District's Valve Maintenance Program. This vehicle will come equipped with machinery and tools to clean valve stacks and safety turn valves.					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201824	Pressure Regulating Station Rehabilitation #45 (Kimberly Pump Station)	Olinger	2 New	Appr. Exp.	\$0 \$0	\$180,000 \$0
	Install new supply piping, pressure reducing valves (Cla-Val) and isolation valves with corrosion control coatings applied.					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201825	Pressure Regulating Station Rehabilitation #23 (Old Chimney)	Olinger	2 New	Appr. Exp.	\$0 \$0	\$180,000 \$0
	Install new supply piping, pressure reducing valves (Cla-Val) and isolation valves with corrosion control coatings applied.					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201826	Pressure Regulating Station Rehabilitation #55 (Hindu Temple)	Olinger	2 New	Appr. Exp.	\$0 \$0	\$0 \$180,000
	Install new piping and isolation valves with corrosion control coatings applied					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201827	Replace Chemical Feed Pumps (Westlake)	Triplett	3 New	Appr. Exp.	\$0 \$0	\$0 \$40,000
	Replace the existing diaphragm pumps with peristaltic pumps					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No

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	
201828	Mobile Emergency Generators Purchase	Korkosz	1 New	Appr. Exp.	\$0 \$0	\$300,000	\$0
	Purchase two (2) 225kW mobile generators that can be used alone or in parallel.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
201829	Generator Connections at Potable Water Pump Stations	Korkosz	1 New	Appr. Exp.	\$0 \$0	\$45,000	\$0
	Replace generator connections at potable water pump stations						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
201830	Deerlake Tank and Twin Lakes Tank Pump Station	Zhao	2 New	Appr. Exp.	\$0 \$0	\$465,000	\$700,000
	To construct additional 600,000 gallons of storage capacity and 620 GPM of pumping capacity in the Twin Lakes subsystem. The amount of District participation was approved in the Water System Design Report.						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
201831	New Fire Panel for Building #8	Triplett	2 New	Appr. Exp.	\$0 \$0	\$10,000	\$100,000
	Replace existing fire panel and all attached devices						
	Project Funding:				JPA Share - LV:	JPA Share - TSD:	
	Potable Water Replacement		100.00%		0.00%	0.00%	
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No	
201833	Rancho Las Virgenes Digester Cleaning and Repair		2 New	Appr. Exp.	\$0 \$0	\$225,000	\$1,300,000
	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	

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
201834	Building No. 7 Furniture	Triplett	3 New	Appr. Exp.	\$0 \$0	\$75,000 \$0
	Replace carpet and furniture in building No. 7.					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	No
201835	Rancho Las Virgenes: FOG Receiving Facilities	Dingman	3 New	Appr. Exp.	\$0 \$0	\$30,000 \$0
	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
201836	Boardroom Audio/Video Upgrade	Matthews	New	Appr. Exp.	\$0 \$0	\$60,000 \$0
	Upgrade the board room audio visual system.					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense				Anticipated Future Expenditures	No
201837	Management Dashboards	Matthews	New	Appr. Exp.	\$0 \$0	\$0 \$50,000
	Implement management dashboards to display performance indicators					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense				Anticipated Future Expenditures	No
201838	Mobility Review	Matthews	New	Appr. Exp.	\$0 \$0	\$0 \$50,000
	Identify mobility requirements to support secure remote access to District's applications					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense				Anticipated Future Expenditures	No

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
201839	Upper Oaks Pump Station Electrical Upgrade		3 New	Appr. Exp.	\$0 \$0	\$10,000 \$0
	<p>The Upper Oaks Pump Station capacity was increased to meet high demands in the sub-system. However the increase capacity limits the number of pumps that can be operated due to the increased electrical draw. This project will analyze and increase the electrical service to the pump station.</p>					
	Project Funding:				JPA Share - LV:	JPA Share - TSD:
	Potable Water Replacement		100.00%		0.00%	0.00%
	Estimated Impact on Annual Operating Expense			\$0	Anticipated Future Expenditures	Yes

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
Total Capital Improvement Project Appropriations					\$16,091,073	\$17,265,743
<i>Total Other Funding</i>				\$2,663,517		
Total Estimated Impact on Annual Operating Expense				(\$266,000)		
Appropriations by Fund				FY 2018-19 Appropriations	JPA Projects TSD Share	Net LVMWD Appropriations
Potable Water Construction				\$352,020	\$0	\$352,020
Potable Water Replacement				\$3,976,586	\$0	\$3,976,586
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				\$10,131,200	\$2,831,573	\$7,299,627
GRAND TOTAL				\$16,091,073	\$3,311,165	\$12,779,908
Proposed Expenditures by Fund				FY 2019-20 Proposed Expenditures	JPA Projects TSD Share	Net LVMWD Expenditures
Potable Water Construction				\$627,966	\$0	\$627,966
Potable Water Replacement				\$7,084,958	\$0	\$7,084,958
Recycled Water Conservation				\$0	\$0	\$0
Recycled Water Replacement				\$0	\$0	\$0
Sanitation Construction				\$555,000	\$163,170	\$391,830
Sanitation Replacement				\$8,997,820	\$2,351,359	\$6,646,461
GRAND TOTAL				\$17,265,743	\$2,514,529	\$14,751,214

**FY 2017-18
CAPITAL PROJECT
ESTIMATED ACTUAL
EXPENDITURE LISTING by FUND**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS		NET LVMWD EXPENDITURES
					TSD SHARE		
					RATIO	AMOUNT	
Potable Water Construction							
10430	Twin Lakes Pump Station Pipeline Project	\$342,750	33.0%	\$113,108	0.0%	\$0	\$113,108
10556	Interconnection With CMWD	\$202,887	20.0%	\$40,577	0.0%	\$0	\$40,577
10557	Westlake Filtration Plant Expansion	\$21,150	20.0%	\$4,230	0.0%	\$0	\$4,230
Total: Potable Water Construction				\$157,915		\$0	\$157,915
Potable Water Replacement							
10236	Raise Air Vacuum Valves and Abandon Protective Structures	\$374,153	100.0%	\$374,153	0.0%	\$0	\$374,153
10430	Twin Lakes Pump Station Pipeline Project	\$342,750	67.0%	\$229,643	0.0%	\$0	\$229,643
10521	SCADA System Communication Upgrades (LV Only)	\$0	100.0%	\$0	0.0%	\$0	\$0
10541	Building 8 Computer Center Upgrades	\$89,677	100.0%	\$89,677	0.0%	\$0	\$89,677
10556	Interconnection With CMWD	\$202,887	80.0%	\$162,310	0.0%	\$0	\$162,310
10557	Westlake Filtration Plant Expansion	\$21,150	80.0%	\$16,920	0.0%	\$0	\$16,920
10586	AMR Implementation - FY 14-15	\$0	100.0%	\$0	0.0%	\$0	\$0
10593	CIS Infinity Software Upgrade	\$30,114	100.0%	\$30,114	0.0%	\$0	\$30,114
10610	LCD Video Wall System	\$0	100.0%	\$0	0.0%	\$0	\$0
10612	Building No. 7 Furniture	\$0	100.0%	\$0	0.0%	\$0	\$0
10613	New Backhoe	\$98,349	100.0%	\$98,349	0.0%	\$0	\$98,349
10614	SCADA Hub Emergency Generator at Stunt Road Pump Station	\$63,632	100.0%	\$63,632	0.0%	\$0	\$63,632
10615	Building No. 7 Fire Panel Replacement	\$26,000	100.0%	\$26,000	0.0%	\$0	\$26,000
10616	IT Capital Purchases	\$42,875	100.0%	\$42,875	0.0%	\$0	\$42,875
10620	Potable Water Tank Coating Evaluation and Repair	\$28,800	100.0%	\$28,800	0.0%	\$0	\$28,800
10627	AMR IMPLEMENTATION	\$0	100.0%	\$0	0.0%	\$0	\$0

**FY 2017-18
CAPITAL PROJECT
ESTIMATED ACTUAL
EXPENDITURE LISTING by FUND**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS		NET LVMWD EXPENDITURES
					TSD SHARE		
					RATIO	AMOUNT	
10628	Nitrification Study	\$1,544	100.0%	\$1,544	0.0%	\$0	\$1,544
10639	Westlake Pump Station Roof Repair & Improvements	\$105,000	100.0%	\$105,000	0.0%	\$0	\$105,000
10640	Building 7 and 8 Lighting Efficiency Upgrade	\$307,560	100.0%	\$307,560	0.0%	\$0	\$307,560
10642	Westlake Pump Station and Filtration Plant Landscaping	\$42,900	100.0%	\$42,900	0.0%	\$0	\$42,900
10644	Vehicle Replacement FY 17-18	\$175,000	100.0%	\$175,000	0.0%	\$0	\$175,000
10645	Potable Water Rehabilitation FY 17-18	\$198,000	100.0%	\$198,000	0.0%	\$0	\$198,000
10651	Tank Renovation: Equestrian Tank	\$20,740	100.0%	\$20,740	0.0%	\$0	\$20,740
Total: Potable Water Replacement				\$2,013,216		\$0	\$2,013,216
Recycled Water Conservation							
10629	Canyon Oaks Park RW Main Extension	\$2,967	100.0%	\$2,967	29.4%	\$872	\$2,095
10635	Pure Water Project Las Virgenes-Triunfo	\$911,836	0.0%	\$0	29.4%	\$0	\$0
10650	Land Acquisition	\$2,100,000	0.0%	\$0	29.4%	\$0	\$0
Total: Recycled Water Conservation				\$2,967		\$872	\$2,095
Recycled Water Replacement							
10540	Lost Hill Overpass Recycled Water Main Relocation	\$621,723	100.0%	\$621,723	29.4%	\$182,787	\$438,936
10621	Recycled Water Tank Coating Evaluation and Repair	\$22,590	100.0%	\$22,590	29.4%	\$6,641	\$15,949
Total: Recycled Water Replacement				\$644,313		\$189,428	\$454,885
Sanitation Construction							
10564	Centrate Equalization Tank	\$74,770	25.0%	\$18,693	29.4%	\$5,496	\$13,197
10619	Summer Season 2013 TMDL Compliance	\$149,760	25.0%	\$37,440	29.4%	\$11,007	\$26,433
10626	Process Air Improvements	\$304,035	0.0%	\$0	29.4%	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$911,836	0.0%	\$0	29.4%	\$0	\$0
10650	Land Acquisition	\$2,100,000	0.0%	\$0	29.4%	\$0	\$0

**FY 2017-18
CAPITAL PROJECT
ESTIMATED ACTUAL
EXPENDITURE LISTING by FUND**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS		NET LVMWD EXPENDITURES
					TSD SHARE		
					RATIO	AMOUNT	
10652	Rancho Las Virgenes: FOG Receiving Facilities	\$0	20.0%	\$0	29.4%	\$0	\$0
Total: Sanitation Construction				\$56,133		\$16,503	\$39,630
Sanitation Replacement							
10520	SCADA System Communication Upgrades	\$0	100.0%	\$0	29.4%	\$0	\$0
10537	Raw Sludge Wet Well Mixing Improvements	\$472,105	100.0%	\$472,105	29.4%	\$138,799	\$333,306
10564	Centrate Equalization Tank	\$74,770	75.0%	\$56,078	29.4%	\$16,487	\$39,591
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$1,357,505	100.0%	\$1,357,505	29.4%	\$399,106	\$958,399
10567	Programmable Logic Controller Upgrades	\$0	100.0%	\$0	29.4%	\$0	\$0
10589	WIMS Software Implementation	\$0	100.0%	\$0	29.4%	\$0	\$0
10596	Lift Stations Programmable Logic Controller Upgrades	\$0	100.0%	\$0	0.0%	\$0	\$0
10597	Tapia Electrical and Instrumentation Upgrades	\$66,000	100.0%	\$66,000	29.4%	\$19,404	\$46,596
10608	Rancho Amendment Bin and Conveyance Modification Project	\$187,986	100.0%	\$187,986	29.4%	\$55,268	\$132,718
10611	Tapia Duct Bank Infrastructure Upgrade	\$0	100.0%	\$0	29.4%	\$0	\$0
10617	Flow Meter Replacement - JPA Meters	\$0	100.0%	\$0	29.4%	\$0	\$0
10618	Flow Meter Replacement - LV Meter (1)	\$0	100.0%	\$0	0.0%	\$0	\$0
10619	Summer Season 2013 TMDL Compliance	\$149,760	75.0%	\$112,320	29.4%	\$33,022	\$79,298
10626	Process Air Improvements	\$304,035	100.0%	\$304,035	29.4%	\$89,386	\$214,649
10635	Pure Water Project Las Virgenes-Triunfo	\$911,836	100.0%	\$911,836	29.4%	\$268,080	\$643,756
10641	Tapia Lighting Efficiency Upgrade	\$469,920	100.0%	\$469,920	29.4%	\$138,156	\$331,764
10643	Rancho Reliability Improvements FY 17-18	\$132,000	100.0%	\$132,000	29.4%	\$38,808	\$93,192
10646	Tapia Water Reclamation Facility Reliability Improvements FY	\$132,000	100.0%	\$132,000	29.4%	\$38,808	\$93,192
10650	Land Acquisition	\$2,100,000	100.0%	\$2,100,000	29.4%	\$617,400	\$1,482,600

**FY 2017-18
CAPITAL PROJECT
ESTIMATED ACTUAL
EXPENDITURE LISTING by FUND**

WORK ORDER NO.	PROJECT NAME / FUND	FY 2017-18 ESTIMATED EXPENDITURES	% OF TOTAL PROJECT	FY 2017-18 ALLOCATED EXPENDITURES	JOINT POWERS		NET LVMWD EXPENDITURES
					TSD SHARE		
					RATIO	AMOUNT	
10652	Rancho Las Virgenes: FOG Receiving Facilities	\$0	80.0%	\$0	29.4%	\$0	\$0
10653	Tapia Rehab FY17-18	\$89,249	100.0%	\$89,249	29.4%	\$26,239	\$63,010
10654	Hilton Foundation Solar Carport System	\$1,395	100.0%	\$1,395	29.4%	\$410	\$985
Total: Sanitation Replacement				\$6,392,429		\$1,879,374	\$4,513,055
GRAND TOTAL				\$9,266,972		\$2,086,177	\$7,180,795

**FY 2018-19
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

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	
Potable Water Construction							
10430	Twin Lakes Pump Station Pipeline Project	\$1,195,345	33.0%	\$394,464	0.0%	\$0	\$394,464
10556	Interconnection With CMWD	\$1,499,363	20.0%	\$299,873	0.0%	\$0	\$299,873
Total: Potable Water Construction				\$694,336		\$0	\$694,336
Potable Water Replacement							
10430	Twin Lakes Pump Station Pipeline Project	\$1,195,345	67.0%	\$800,881	0.0%	\$0	\$800,881
10556	Interconnection With CMWD	\$1,499,363	80.0%	\$1,199,490	0.0%	\$0	\$1,199,490
10593	CIS Infinity Software Upgrade	\$88,823	100.0%	\$88,823	0.0%	\$0	\$88,823
60047	Cornell Pump Station Upgrades	\$100,000	100.0%	\$100,000	0.0%	\$0	\$100,000
80713	Vehicle Replacement	\$175,000	100.0%	\$175,000	0.0%	\$0	\$175,000
99940	AMR IMPLEMENTATION	\$235,000	100.0%	\$235,000	0.0%	\$0	\$235,000
99990	Potable Water System PLC Upgrade Phase I	\$143,000	100.0%	\$143,000	0.0%	\$0	\$143,000
192003	IT Capital Purchases	\$75,000	100.0%	\$75,000	0.0%	\$0	\$75,000
201816	Saddle Peak Tank Rehabilitation	\$1,028,880	100.0%	\$1,028,880	0.0%	\$0	\$1,028,880
201822	Stationary Emergency Generators for Critical Potable Water Pu	\$50,000	100.0%	\$50,000	0.0%	\$0	\$50,000
201823	New Valve Turning Truck	\$130,000	100.0%	\$130,000	0.0%	\$0	\$130,000
201824	Pressure Regulating Station Rehabilitation #45 (Kimberly Pump	\$180,000	100.0%	\$180,000	0.0%	\$0	\$180,000
201825	Pressure Regulating Station Rehabilitation #23 (Old Chimney)	\$180,000	100.0%	\$180,000	0.0%	\$0	\$180,000
201828	Mobile Emergency Generators Purchase	\$300,000	100.0%	\$300,000	0.0%	\$0	\$300,000
201829	Generator Connections at Potable Water Pump Stations	\$45,000	100.0%	\$45,000	0.0%	\$0	\$45,000
201830	Deerlake Tank and Twin Lakes Tank Pump Station	\$465,000	100.0%	\$465,000	0.0%	\$0	\$465,000
201831	New Fire Panel for Building #8	\$10,000	100.0%	\$10,000	0.0%	\$0	\$10,000

**FY 2018-19
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

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	
201834	Building No. 7 Furniture	\$75,000	100.0%	\$75,000	0.0%	\$0	\$75,000
201836	Boardroom Audio/Video Upgrade	\$60,000	100.0%	\$60,000	0.0%	\$0	\$60,000
201839	Upper Oaks Pump Station Electrical Upgrade	\$10,000	100.0%	\$10,000	0.0%	\$0	\$10,000
Total: Potable Water Replacement				\$5,351,075		\$0	\$5,351,075
Recycled Water Conservation							
10629	Canyon Oaks Park RW Main Extension	\$394,876	100.0%	\$394,876	29.4%	\$116,094	\$278,782
10635	Pure Water Project Las Virgenes-Triunfo	\$4,518,781	0.0%	\$0	29.4%	\$0	\$0
Total: Recycled Water Conservation				\$394,876		\$116,094	\$278,782
Recycled Water Replacement							
201801	Cordillera Tank Rehabilitation	\$1,201,267	100.0%	\$1,201,267	29.4%	\$353,172	\$848,095
201803	Calabasas Park Recycled Water Main Extension	\$320,000	100.0%	\$320,000	29.4%	\$94,080	\$225,920
Total: Recycled Water Replacement				\$1,521,267		\$447,252	\$1,074,015
Sanitation Construction							
10564	Centrate Equalization Tank	\$296,145	25.0%	\$74,036	29.4%	\$21,767	\$52,270
10619	Summer Season 2013 TMDL Compliance	\$490,240	25.0%	\$122,560	29.4%	\$36,033	\$86,527
10626	Process Air Improvements	\$3,293,418	0.0%	\$0	29.4%	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$4,518,781	0.0%	\$0	29.4%	\$0	\$0
Total: Sanitation Construction				\$196,596		\$57,799	\$138,797
Sanitation Replacement							
10564	Centrate Equalization Tank	\$296,145	75.0%	\$222,109	29.4%	\$65,300	\$156,809
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$160,428	100.0%	\$160,428	29.4%	\$47,166	\$113,262

**FY 2018-19
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

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	
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
10654	Hilton Foundation Solar Carport System	\$298,605	100.0%	\$298,605	29.4%	\$87,790	\$210,815
70003	Rancho Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
70008	Tapia Water Reclamation Facility Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
70011	Tapia Sluice Gate and Drive Replacement	\$556,600	100.0%	\$556,600	29.4%	\$163,640	\$392,960
99975	A/B Bus Electrical Modification	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
192002	ERP System	\$500,000	100.0%	\$500,000	0.0%	\$0	\$500,000
201806	Tapia Headworks White Room Floor Plate Repair and Steel Fr	\$55,000	100.0%	\$55,000	29.4%	\$16,170	\$38,830
201807	Rancho LV Storm Water Diversion Structure Replacement	\$30,000	100.0%	\$30,000	29.4%	\$8,820	\$21,180
201812	Develop Tour Seating Area at Tapia & Fish Tank Removal	\$25,000	100.0%	\$25,000	29.4%	\$7,350	\$17,650
201813	Centrate 20-Inch Valve Repair	\$150,000	100.0%	\$150,000	29.4%	\$44,100	\$105,900
201833	Rancho Las Virgenes Digester Cleaning and Repair	\$225,000	100.0%	\$225,000	29.4%	\$66,150	\$158,850
201835	Rancho Las Virgenes: FOG Receiving Facilities	\$30,000	100.0%	\$30,000	29.4%	\$8,820	\$21,180
Total: Sanitation Replacement				\$14,689,496	\$4,171,712	\$10,517,784	
GRAND TOTAL				\$22,847,646	\$4,792,857	\$18,054,789	

**FY 2019-20
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

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	
Potable Water Construction							
10430	Twin Lakes Pump Station Pipeline Project	\$1,066,726	33.0%	\$352,020	0.0%	\$0	\$352,020
10556	Interconnection With CMWD	\$1,379,730	20.0%	\$275,946	0.0%	\$0	\$275,946
Total: Potable Water Construction				\$627,966		\$0	\$627,966
Potable Water Replacement							
10430	Twin Lakes Pump Station Pipeline Project	\$1,066,726	67.0%	\$714,706	0.0%	\$0	\$714,706
10556	Interconnection With CMWD	\$1,379,730	80.0%	\$1,103,784	0.0%	\$0	\$1,103,784
10593	CIS Infinity Software Upgrade	\$0	100.0%	\$0	0.0%	\$0	\$0
60046	Building No. 8 Office Space Rehabilitation	\$401,100	100.0%	\$401,100	0.0%	\$0	\$401,100
60047	Cornell Pump Station Upgrades	\$832,500	100.0%	\$832,500	0.0%	\$0	\$832,500
80713	Vehicle Replacement	\$175,000	100.0%	\$175,000	0.0%	\$0	\$175,000
99940	AMR IMPLEMENTATION	\$1,567,789	100.0%	\$1,567,789	0.0%	\$0	\$1,567,789
192001	Electronic Document Management System	\$100,000	100.0%	\$100,000	0.0%	\$0	\$100,000
192003	IT Capital Purchases	\$75,000	100.0%	\$75,000	0.0%	\$0	\$75,000
201817	Equestrian Tank Concrete Column Repair	\$61,500	100.0%	\$61,500	0.0%	\$0	\$61,500
201818	Upper Oaks and Dardenne Tank Rehabilitation	\$733,578	100.0%	\$733,578	0.0%	\$0	\$733,578
201822	Stationary Emergency Generators for Critical Potable Water Pu	\$200,000	100.0%	\$200,000	0.0%	\$0	\$200,000
201826	Pressure Regulating Station Rehabilitation #55 (Hindu Temple)	\$180,000	100.0%	\$180,000	0.0%	\$0	\$180,000
201827	Replace Chemical Feed Pumps (Westlake)	\$40,000	100.0%	\$40,000	0.0%	\$0	\$40,000
201830	Deerlake Tank and Twin Lakes Tank Pump Station	\$700,000	100.0%	\$700,000	0.0%	\$0	\$700,000
201831	New Fire Panel for Building #8	\$100,000	100.0%	\$100,000	0.0%	\$0	\$100,000
201837	Management Dashboards	\$50,000	100.0%	\$50,000	0.0%	\$0	\$50,000

**FY 2019-20
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

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	
201838	Mobility Review	\$50,000	100.0%	\$50,000	0.0%	\$0	\$50,000
Total: Potable Water Replacement				\$7,084,958		\$0	\$7,084,958
Recycled Water Conservation							
10629	Canyon Oaks Park RW Main Extension	\$0	100.0%	\$0	29.4%	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$3,500,000	0.0%	\$0	29.4%	\$0	\$0
Total: Recycled Water Conservation				\$0		\$0	\$0
Sanitation Construction							
10564	Centrate Equalization Tank	\$0	25.0%	\$0	29.4%	\$0	\$0
10619	Summer Season 2013 TMDL Compliance	\$2,220,000	25.0%	\$555,000	29.4%	\$163,170	\$391,830
10626	Process Air Improvements	\$0	0.0%	\$0	29.4%	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$3,500,000	0.0%	\$0	29.4%	\$0	\$0
Total: Sanitation Construction				\$555,000		\$163,170	\$391,830
Sanitation Replacement							
10564	Centrate Equalization Tank	\$0	75.0%	\$0	29.4%	\$0	\$0
10565	Rancho Las Virgenes Digester Cleaning and Repair	\$0	100.0%	\$0	29.4%	\$0	\$0
10567	Programmable Logic Controller Upgrades	\$376,700	100.0%	\$376,700	29.4%	\$110,750	\$265,950
10608	Rancho Amendment Bin and Conveyance Modification Project	\$0	100.0%	\$0	29.4%	\$0	\$0
10611	Tapia Duct Bank Infrastructure Upgrade	\$0	100.0%	\$0	29.4%	\$0	\$0
10619	Summer Season 2013 TMDL Compliance	\$2,220,000	75.0%	\$1,665,000	29.4%	\$489,510	\$1,175,490
10626	Process Air Improvements	\$0	100.0%	\$0	29.4%	\$0	\$0
10635	Pure Water Project Las Virgenes-Triunfo	\$3,500,000	100.0%	\$3,500,000	29.4%	\$1,029,000	\$2,471,000

**FY 2019-20
CAPITAL PROJECT
WORKING CAPITAL
REQUIREMENT by FUND**

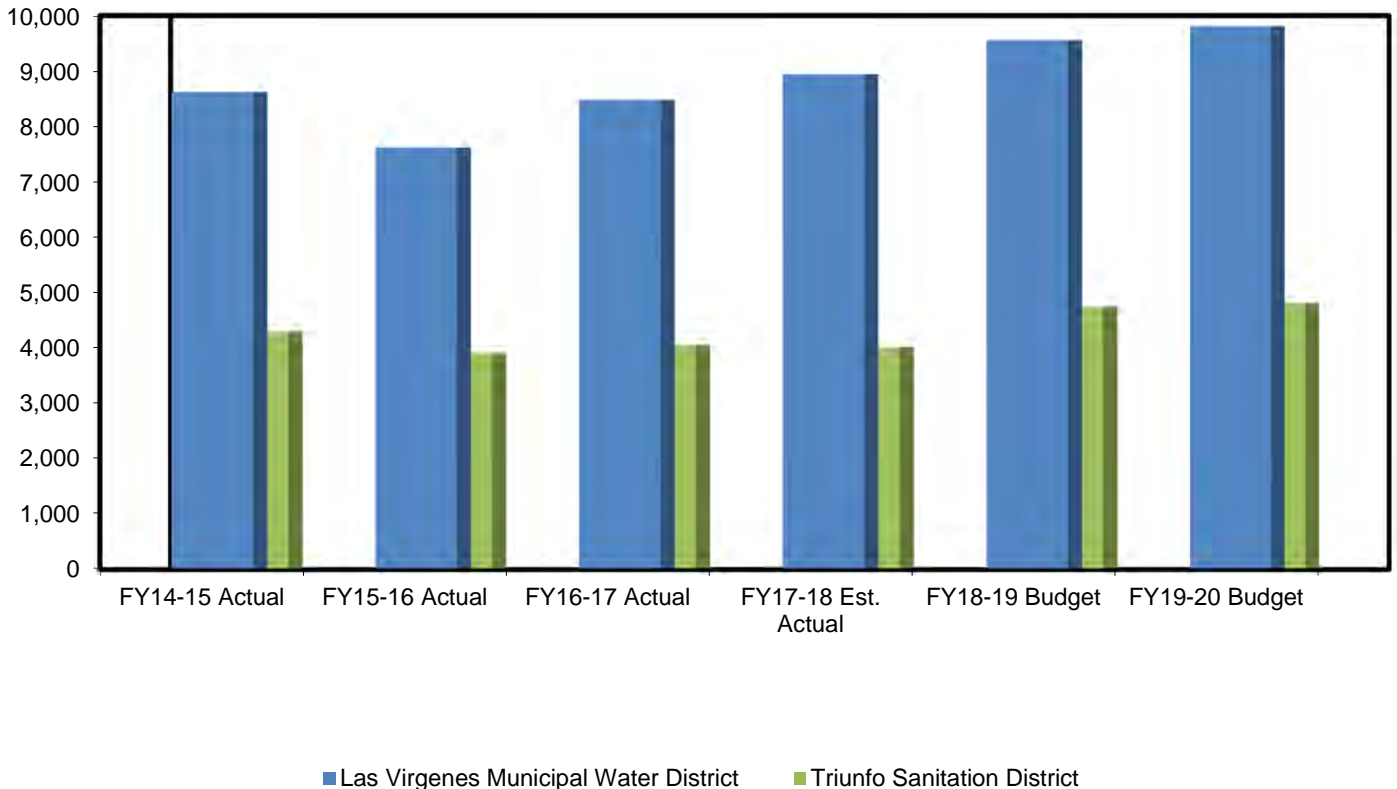
WORK ORDER NO.	PROJECT NAME/FUND	FY 2019-20 PROJECT REQUIREMENTS	% OF TOTAL PROJECT	FY 2019-20 ALLOCATED REQUIREMENT	JOINT POWERS		NET LVMWD REQUIREMENTS
					TSD SHARE RATIO	AMOUNT	
10653	Tapia Rehab FY17-18	\$0	100.0%	\$0	29.4%	\$0	\$0
10654	Hilton Foundation Solar Carport System	\$0	100.0%	\$0	29.4%	\$0	\$0
60033	Pavement Restoration Rancho	\$533,320	100.0%	\$533,320	29.4%	\$156,796	\$376,524
70003	Rancho Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
70008	Tapia Water Reclamation Facility Reliability Improvements	\$100,000	100.0%	\$100,000	29.4%	\$29,400	\$70,600
70011	Tapia Sluice Gate and Drive Replacement	\$212,800	100.0%	\$212,800	29.4%	\$62,563	\$150,237
192002	ERP System	\$1,000,000	100.0%	\$1,000,000	0.0%	\$0	\$1,000,000
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
201833	Rancho Las Virgenes Digester Cleaning and Repair	\$1,300,000	100.0%	\$1,300,000	29.4%	\$382,200	\$917,800
Total: Sanitation Replacement				\$8,997,820		\$2,351,359	\$6,646,461
GRAND TOTAL				\$17,265,743		\$2,514,529	\$14,751,214



Las Virgenes – Triunfo Joint Powers Authority

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

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



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

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

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	46,078	53.1%	4,990,009	42.3%	1,888,845	25.0%	874	82.2%	(16,449)	53.3%	6,909,357
U-2 SANITATION DISTRICT	3.1%	3,935	17.5%	1,644,541	20.7%	924,328	25.0%	874	0.0%	0	19.8%	2,573,678
RECYCLED WATER FUND				(541,752)							-4.2%	(541,752)
LVMWD	39.4%	50,013	70.6%	6,092,798	63.0%	2,813,173	50.0%	1,748	82.2%	(16,449)	68.9%	8,941,283
TRIUNFO SANITATION DISTRICT	60.6%	76,924	29.4%	2,303,077	37.0%	1,652,181	50.0%	1,747	17.8%	(3,551)	31.1%	4,030,378
TOTAL ALLOCATION	100.0%	126,937	100.0%	8,395,875	100.0%	4,465,354	100.0%	3,495	100.0%	(20,000)	100.0%	12,971,661
	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%
TOTAL ALL PARTICIPANTS	6.24	2,279	100.0%	12,971,661	5,692	100.0%
RETURN FLOWS	1.36	498				
WESTLAKE WELLS	0.34	123				

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

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

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

GROUP

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

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

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

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

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

GROUP

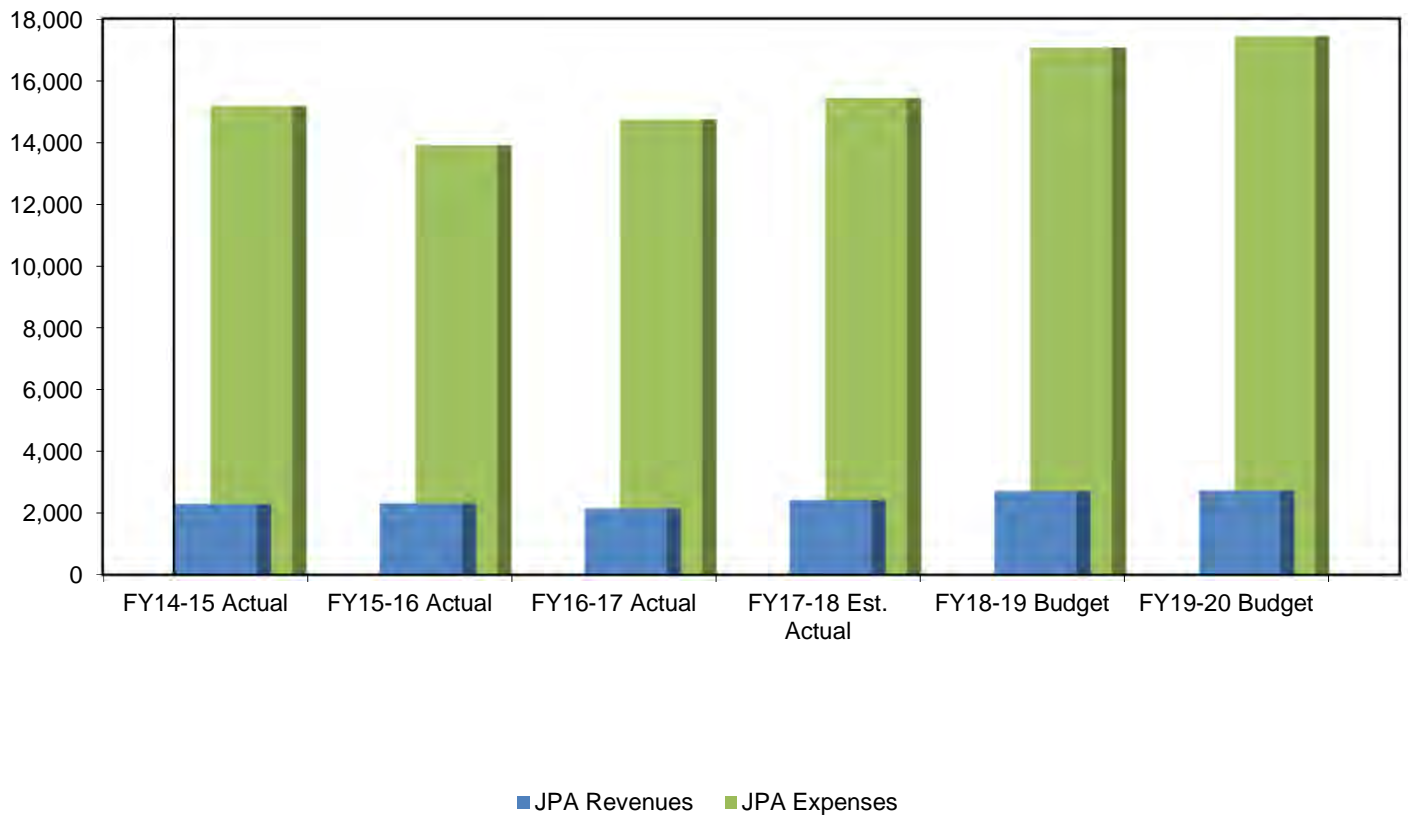
- A** Basis of allocation to each participant is participant's reserve capacity rights in the trunk sewer.
- B** Basis of allocation to each participant is participant's reserve capacity rights in the treatment plant and recycled water system.
- C** Basis of allocation to each participant is participant's 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	6,738	50.1%
U-2 SANITATION DISTRICT	1.29	471	20.7%	2,439,391	5,179	18.8%
LVMWD	3.93	1,436	63.0%	8,941,283	6,227	68.9%
TRIUNFO SANITATION DISTRICT	2.31	843	37.0%	4,030,378	4,781	31.1%
TOTAL ALL PARTICIPANTS	6.24	2,279	100.0%	12,971,661	5,692	100.0%
RETURN FLOWS	1.36	498				
WESTLAKE WELLS	0.34	123				

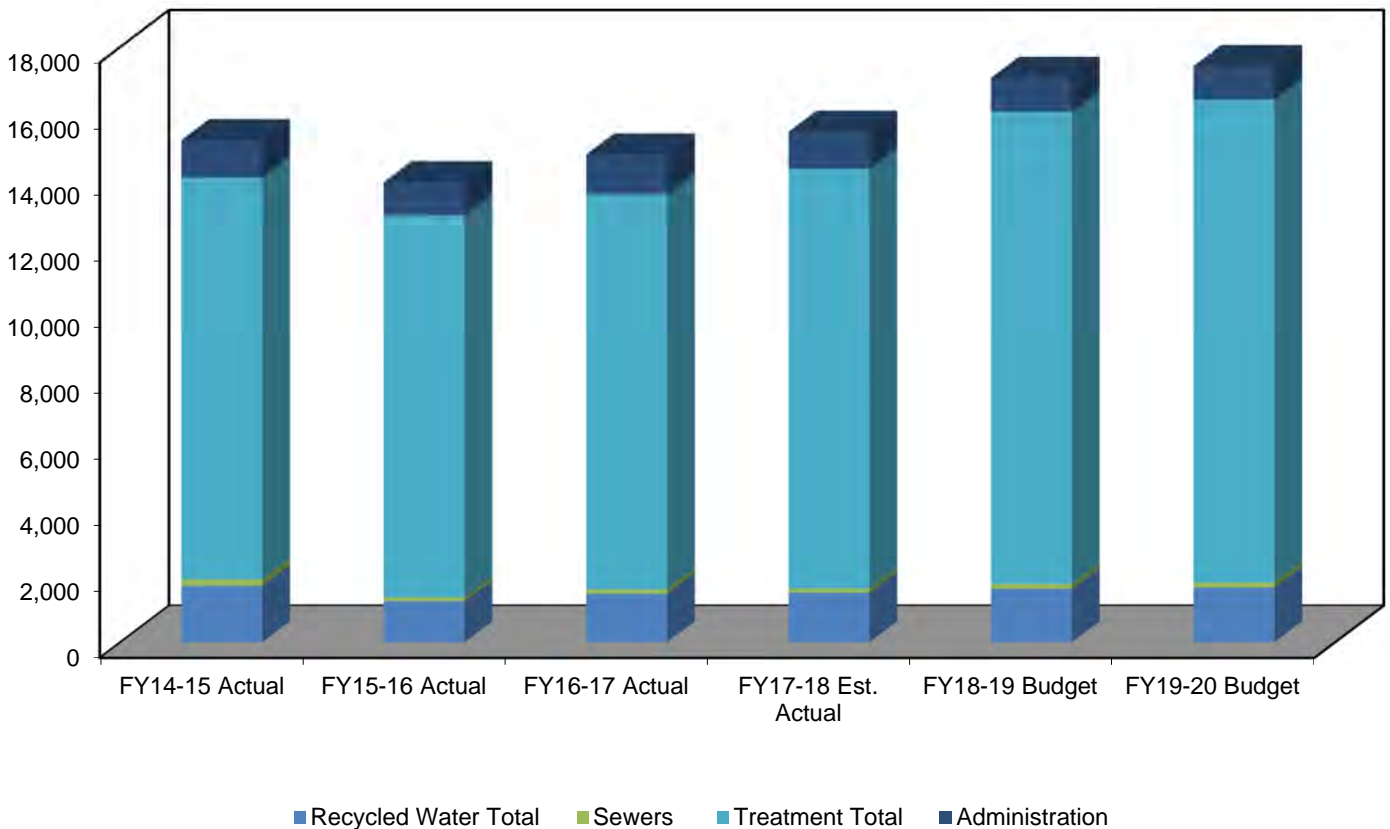
**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary
(Dollars in Thousands)**

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



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

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



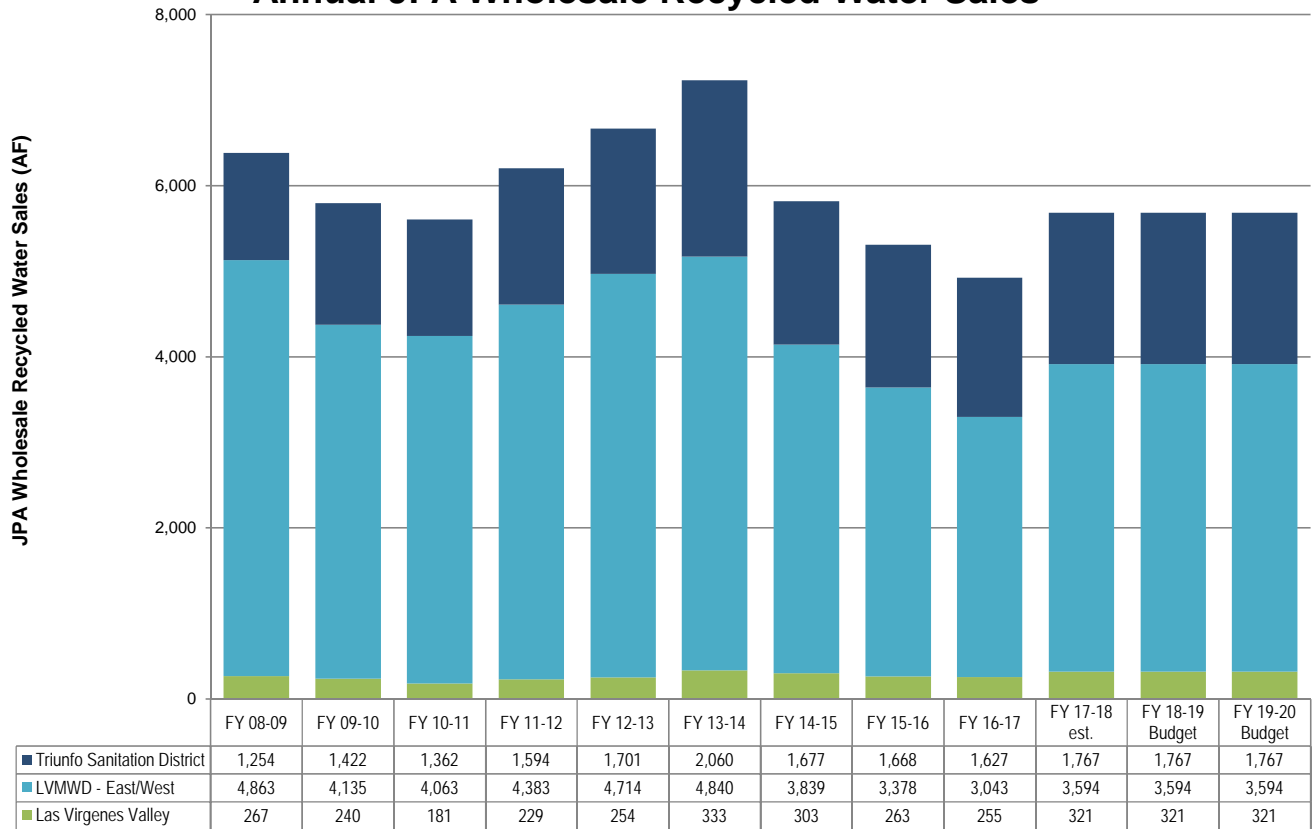
**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary**

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

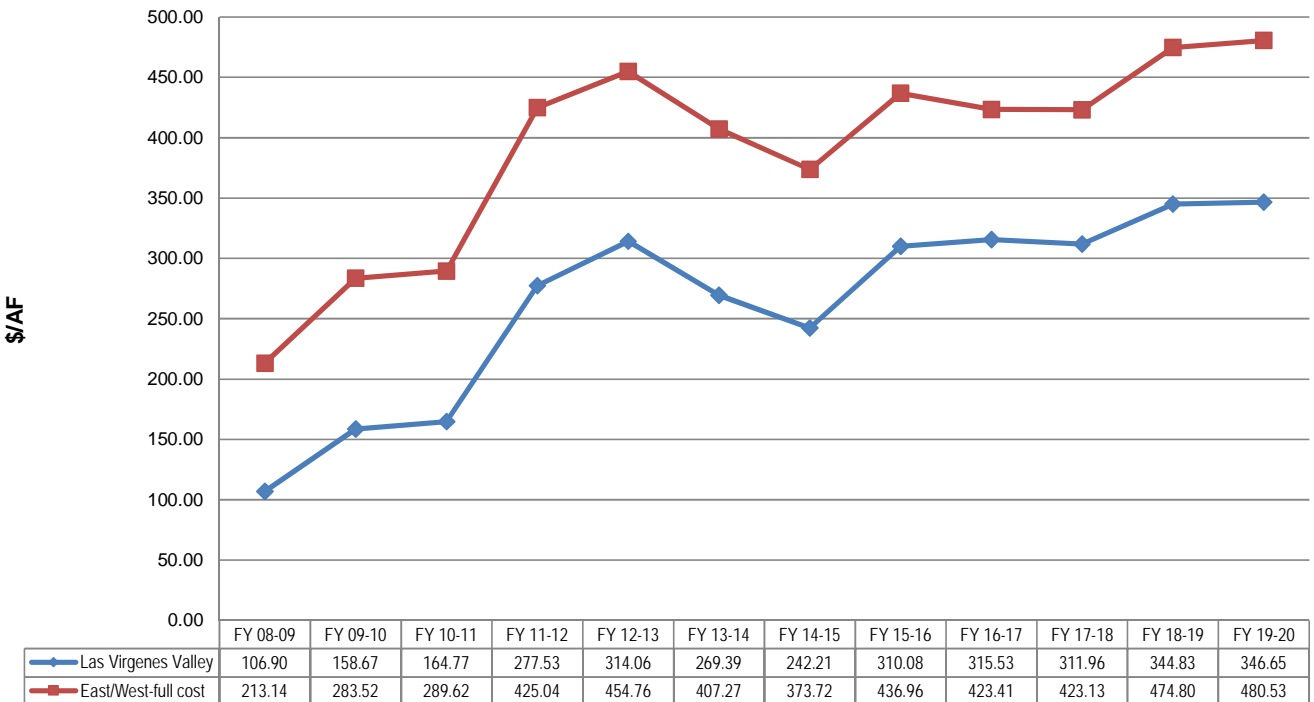
**Las Virgenes - Triunfo
Joint Powers Authority
Operations Summary**

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

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	\$ 2,656,132	\$ 1,959,337	\$ 696,795	
Costs per Acre Foot		\$ 344.83	\$ 129.97	\$ 474.80

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	\$ 2,687,358	\$ 1,969,653	\$ 717,705	
Costs per Acre Foot		\$ 346.65	\$ 133.88	\$ 480.53

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>

JOINT POWERS AUTHORITY

Operating Revenues – 751000

LINE ITEM EXPLANATIONS

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

Annual sales to each JPA partner is normally projected using the prior 3 years' average purchases by each JPA partner and adjusted as necessary for weather and outage conditions. For FY 2018-19 and FY 2019-20 sales are projected at the same level as FY 2017-18.

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

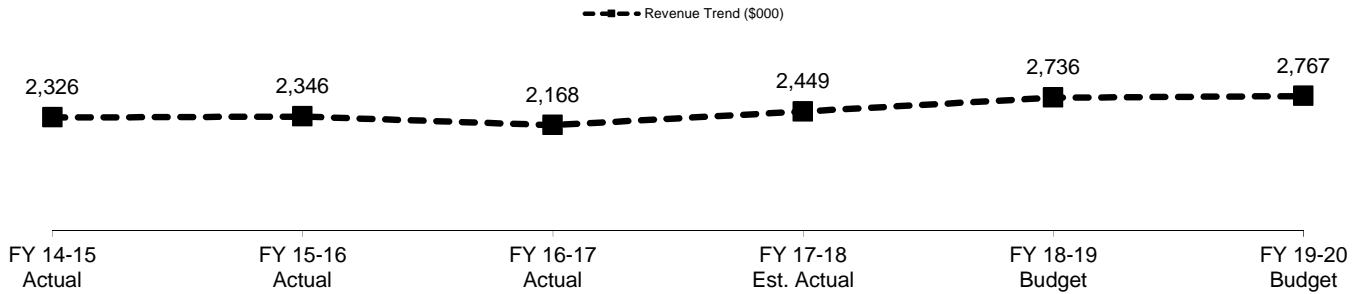
4245 MWD Incentive Local Projects – Funding from Metropolitan Water District to encourage reduction of potable water demand up to 700 af per year at \$154/af. The twenty-five (25) year agreement between the MWD and the JPA expired in November, 2014.

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

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

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

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



JOINT POWERS AUTHORITY

RW Pump Stations – 751100

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

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

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

- 5430 Funds to purchase Cla Val parts to rebuild pump control valves .

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

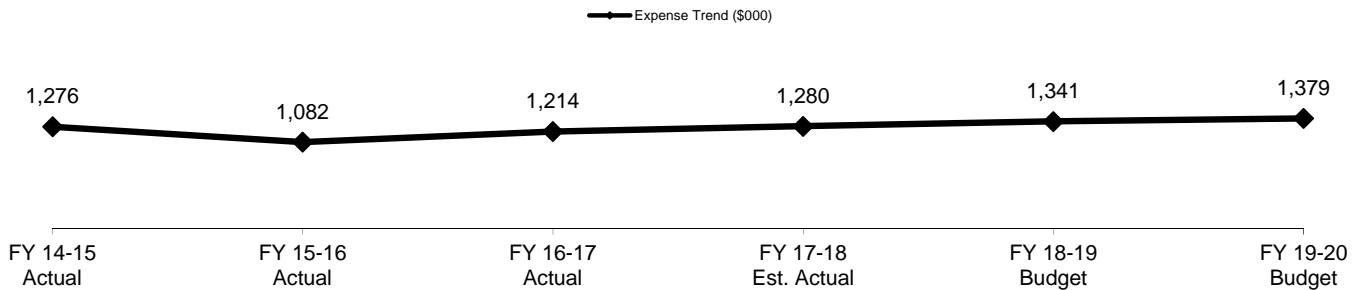
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to perform major maintenance and repair tasks to pumps, motors, and other equipment at Joint Powers Authority (JPA) recycled water pump stations.

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

- 5515 Outside Services – Funds to hire any maintenance providers required to assist in maintaining the JPA recycled water pump stations. Expense is primarily related to pest control activities at JPA RW pump stations.

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

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



JOINT POWERS AUTHORITY

RW Tanks, Reservoirs and Wells – 751200

FUNCTION

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

SIGNIFICANT CHANGES

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

SOURCE OF SUPPLY

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

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

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

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

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

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

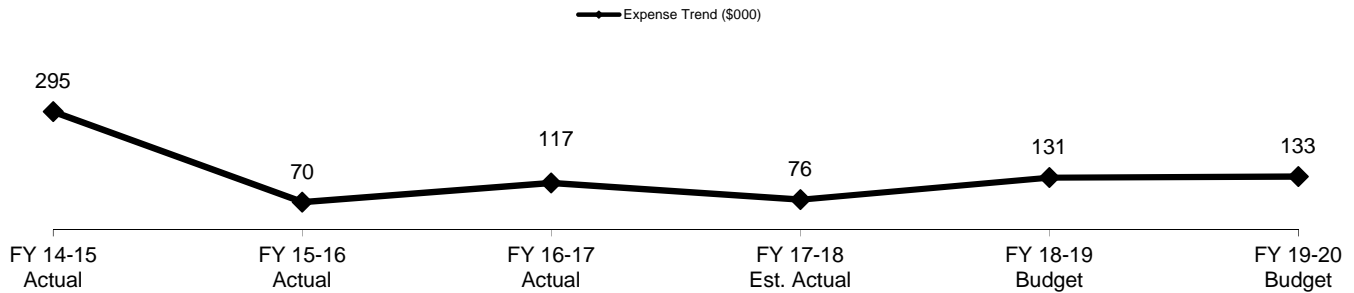
MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

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

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



JOINT POWERS AUTHORITY

RW System Operation – 751300

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

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

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

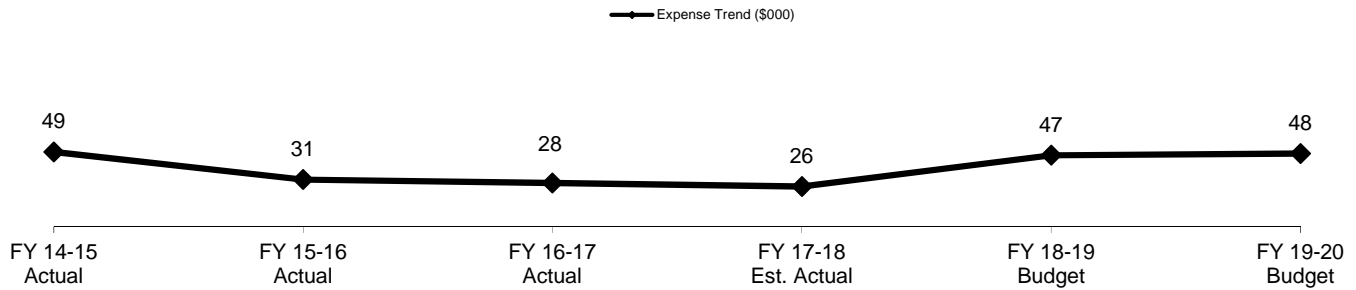
SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

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

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

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

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



JOINT POWERS AUTHORITY

RW Distribution System – 751700

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

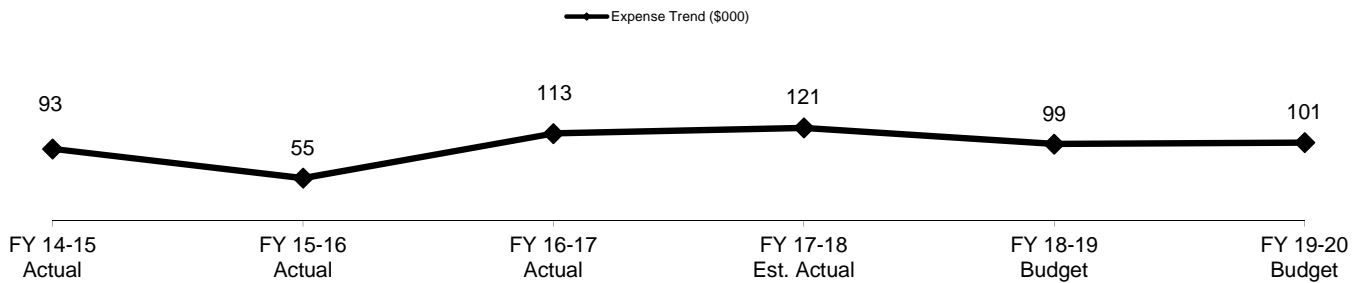
- 5400 Labor – Labor hours performed by Water Treatment and Production employees to perform preventive maintenance work associated with the recycled water distribution system. Preventive maintenance includes operating, testing, and overhauling recycled water main line valves, blow-offs, and air-vacuum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

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

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



JOINT POWERS AUTHORITY

Sewers – 751800

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

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

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

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

5515 Outside Services – Funds to hire maintenance providers for emergency clean up and repairs, sewer flow monitoring, line cleaning and video inspection services.

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

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

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

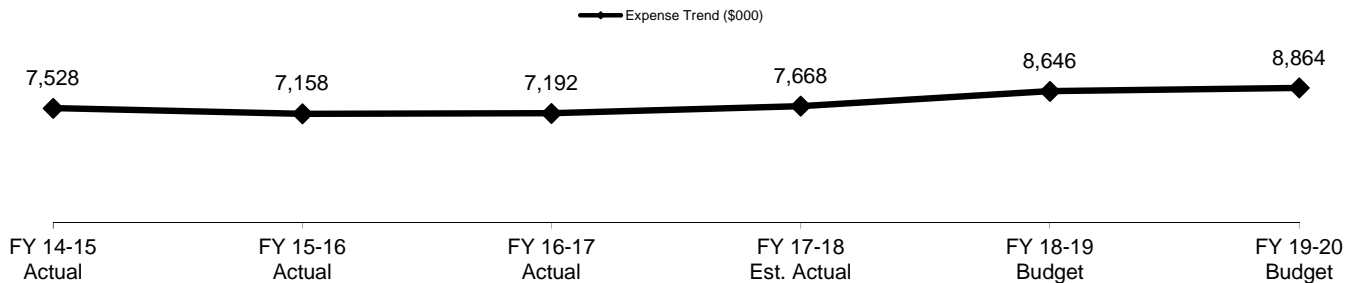
- 6788 District Sprayfields – Contractor, equipment, supply, and staff costs associated with maintaining farm fields, catch basins, roads, fences and equipment, disposing of effluent as needed due to permit requirements or distribution system upsets, and harvesting vegetation to remove nitrogen applied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



JOINT POWERS AUTHORITY

Treatment/Composting – 751820

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

- 5400 Labor – Primarily labor hours worked at the Composting Facility by Composting Facility personnel to operate and provide preventive maintenance.
- 5405 Utilities – These sub-accounts provide funds for electric and natural gas, telephone and water.
- 5410 Supplies/Material – Funds for miscellaneous chemicals and supplies required to operate the Composting Facility. Significant increase in citric acid cost as well as additional dewatering due to an increase in solids.
- 5410.7 Polymer used in the dewatering process.
- 5410.8 Amendment – Amendment usage increased due to extended dewatering and centrifuge run time. Amendment cost based on purchase of materials from new vendor.
- 5415 Outside Services – FY16-17 expenses include boiler water treatment services (\$2K).
- 5417 Odor Control –Bio filter media changes out annually.
- 5420 Permits/Fees – SCAQMD permit fees for general plant operation and LA County Department of Public Health solid waste fees.

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

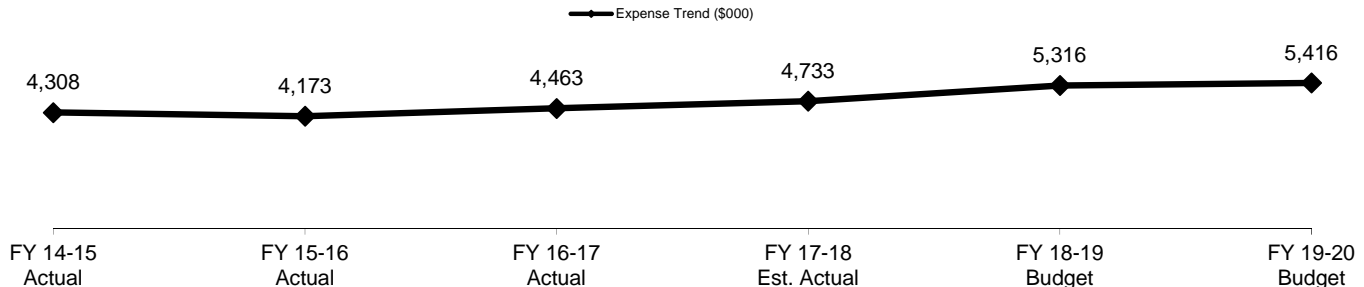
- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services. Includes hours for RCPO staff to manage landscape contract.
- 5510 Supplies/Materials – Items required for staff to maintain plant facilities and equipment. FY16-17 budget includes funding to maintain facilities at current levels.
- 5515 Outside Services – Funds to hire any maintenance providers to assist in maintaining plant facilities including annual gas monitoring and facility maintenance. In FY18-19 there are additional funds for SG maintenance.
- 5518 Bldg. Maintenance – Costs related to maintaining the basic buildings and site and which are not process related.
- 5530 Capital Outlay – Funds for flooring replacement In FY17-18 the funds were used for new gutter replacement.

SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

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

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

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



JOINT POWERS AUTHORITY

Centrate Treatment – 751830

FUNCTION

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

SIGNIFICANT CHANGES

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

OPERATING EXPENSE LINE ITEM EXPLANATIONS

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

5410.1 Fuel – Diesel fuel for use on site.

5417 Odor Control – No funds required in FY16-17

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

MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS

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

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

5530 Capital Outlay – FY 17-18 funds were for a plug valve replacement, which is now a capital project.

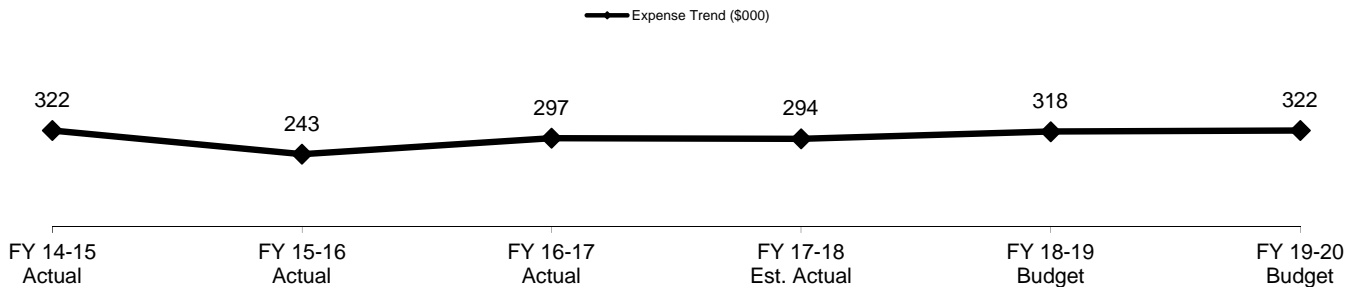
SPECIALTY EXPENSE LINE ITEM EXPLANATIONS

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

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

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



JOINT POWERS AUTHORITY

Administration – 751840

FUNCTION

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

SIGNIFICANT CHANGES

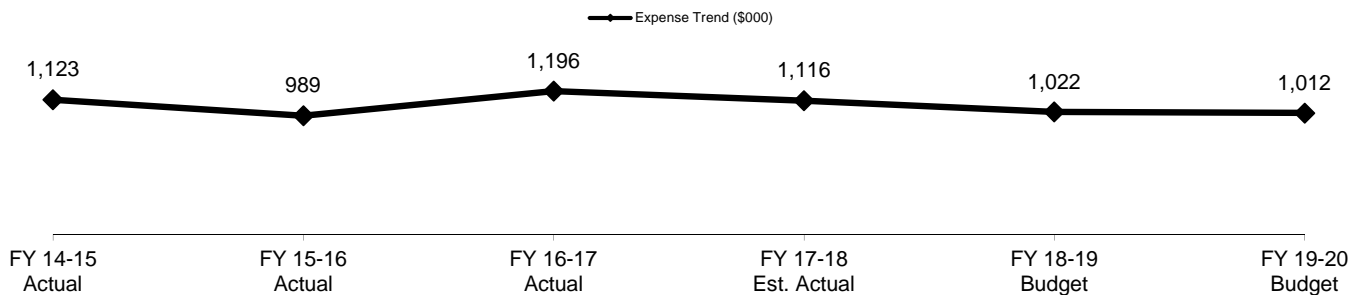
No significant changes are anticipated for FY18-19 or FY19-20.

LINE ITEM EXPLANATIONS

- 5400 Labor – The costs for any labor hours worked on administrative function.
- 6602 School Education Program – Wastewater education initiatives, programs and tours. Also includes programs designed to accommodate home-school students.
- 6604 Public Education Program – Quarterly tours of Rancho/Tapia; Malibu Creek Watershed and regulatory issue outreach; JPA activities and display advertising related to watershed, compost promotion, pharmaceutical disposal education, etc.
- 6606 Community Group Outreach – JPA related publications and community group outreach related to watershed stewardship and NPDES permit, and speaker's bureau expenses.
- 6608 Intergovernmental Coordination – Programmed funds include support for intergovernmental activities such as legislative monitoring and activities with the state legislature, county, cities, school districts, federal agencies and regulatory bodies.
- 6785 Watershed Programs – Watershed Management: Staff participation and technical assistance managing water resources (primarily surface water quality) in the Malibu Creek and upper Los Angeles River watersheds. Also includes funding for Collaborative Research projects related to the Malibu Creek TMDL issue.
- 6872 Litigation – Outside Services – All litigation, settlements, attorney fees, court costs and legal costs for general litigation that are solely for the Joint Powers Authority.
- 6874 Litigation – District Costs – Costs for employee depositions, trial appearance, etc. for Joint Powers Authority lawsuit cases.
- 6516 Other Professional Services – Federal and State Regulatory Advocacy for securing funding and providing input on regulatory issues. In FY17-18 funds for Regulatory and permitting assistance from outside sources for the National Pollution Discharge Elimination System (NPDES) renewal for Tapia (\$50K). Funding for FY17-18 also includes Consulting Services for Expanded Solar Energy Generation Facility.
- 6517 Audit Fees – Joint Powers Authority's share of costs related to financial statement audit.
- 7110 Travel/Misc. Staff Expense – Travel and other expenses directly incurred in support of JPA issues.
- 7135 General Insurance – Property insurance costs.
- 6260 Rental Charge – Facilities Replacement – Internal charge to set aside funds for future facilities replacement.

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

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





Las Virgenes Municipal Water District

FY 2018-19 & FY 2019-20 Budget Planning Calendar

Date Scheduled	BM - Board Meeting	BW - Board Workshop
1/31/2018		Budget Kickoff Meeting Distribute Budget Manual YTD reports through December available Review Tactical Actions and Activities, including Goals, Objectives, and Performance measures
1/30/2018	BM	Budget Process review - distribute Budget Planning Calendar
1/30/2018	BM	Financial Status Report - Second Quarter
2/5/2018	BM	JPA Budget Process review - distribute Budget Planning Calendar
2/5/2018	BM	Financial Status Report JPA - Second Quarter
Tentative	BM	IIP Review - JPA
Tentative	BM	IIP to LV Board for review
2/10/2018		JPA Budget submissions from TSD due to Administering Agent
2/20/2018		FY2017-18 estimated actuals/FY2018-19 proposed budget and FY2019-20 proposed budget to Accounting, including CIP project budgets
2/20/2018		Line item explanations to Accounting
2/27/2018		Draft budgets (LV & JPA) to departments
3/5/2018	BW	Budget Workshop - JPA
3/6/2018		Dept comments on drafts back to Accounting, including CIP budget comments
3/15/2018		Drafts to Departments, GM & TSD staff Figures ready for Working Capital schedule
Tentative	BW	Budget Workshop Review Staffing requirements Discuss funding of OPEB liability
3/26/2018-3/29/2018		Meetings with GM/Department staff, TSD staff
4/10/2018		Budget Letter, Goals, Objectives due to Accounting
4/10/2018		Final Department changes to Accounting, including CIP changes
4/17/2018		Distribute Preliminary Budgets (LV & JPA)
4/24/2018	BM	Financial Status Report - 3rd Quarter LV Preliminary Budget to Board
5/7/2018	BM	Financial Status Report JPA - Third Quarter JPA Preliminary Budget to Board
5/8/2018		Final changes to Accounting, including CIP - Typos/error correction only Figures ready for Working Capital schedule
5/15/2018		Final drafts to General Manager
5/22/2018	BM	LV Budget Adoption
6/4/2018	BM	JPA Budget Adoption

Las Virgenes Municipal Water District

Potable Water Demands & MWD Supply Costs

Description	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Water Customer Demands & Supply Requirements							
Customer Metered Sales (AF/Year)	16,553	18,402	18,917	19,447	20,011	20,011	20,011
Estimated Unbilled Water	9.7%	5.8%	6.3%	7.3%	7.3%	7.3%	7.3%
Subtotal Water Supply Needs	18,162	19,464	20,101	20,857	21,462	21,462	21,462
Recycled Water System Supplemer	1,045	1,022	860	976	953	930	953
Plus Tank Inventories	(3)	0	0	0	0	0	0
Plus LV Reservoir Filling	771	555	1,000	900	720	720	760
Less LV Reservoir Draw	(294)	(322)	(1,000)	(900)	(720)	(720)	(760)
Less Non-MWD Supplies (a)	(116)	(119)	(114)	(116)	(116)	(115)	(116)
MWD Purchases (AF)	19,565	20,600	20,848	21,717	22,299	22,276	22,299
MWD Water Purchase Units							
Tier 1 Annual Limit (Calendar Year)	24,358	24,358	24,358	24,358	24,358	24,358	24,358
Water Supply (AF per year)	19,565	20,600	20,848	21,717	22,299	22,276	22,299
Tier 1	19,565	20,600	20,848	21,717	22,299	22,276	22,299
Tier 2	0	0	0	0	0	0	0
MWD Unit Rates (\$/AF) - Annualized Weighted Average							
System Access Rate (SAR)	\$271	\$293	\$310	\$334	\$347	\$355	\$372
Water Stewardship	\$45	\$53	\$61	\$67	\$65	\$65	\$65
System Power	\$132	\$127	\$130	\$131	\$140	\$147	\$150
Water Transfer/Delta Surcharge	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment Surcharge	\$334	\$316	\$320	\$321	\$323	\$323	\$323
Total Unit Rate	\$783	\$789	\$820	\$853	\$875	\$890	\$910
Tier 1 Supply Rate (\$/AF)	\$174	\$204	\$209	\$209	\$213	\$224	\$232
Tier 2 Supply Rate (\$/AF)	\$292	\$295	\$295	\$295	\$295	\$295	\$295
Cap Reserv Charge (CRC, \$/cfs)	\$9,450	\$8,350	\$8,017	\$7,417	\$8,450	\$9,650	\$10,300
MWD Supply Charges							
Variable Charges	\$18,740,994	\$18,420,290	\$21,452,359	\$23,045,806	\$24,269,758	\$24,824,843	\$25,456,376
Treated Water Fixed Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capacity Reservation Charge	\$435,645	\$384,935	\$369,584	\$341,924	\$389,545	\$444,865	\$474,830
Readiness to Serve Charge	\$1,485,062	\$1,391,928	\$1,381,805	\$1,361,559	\$1,417,236	\$1,498,221	\$1,553,898
Total MWD Charges	\$20,661,701	\$20,197,153	\$23,203,747	\$24,749,289	\$26,076,539	\$26,767,929	\$27,485,104
Reservoir Filling	(\$812,708)	(\$551,337)	(\$1,029,000)	(\$955,080)	(\$783,648)	(\$802,368)	(\$867,616)
Reservoir Draw (\$/AF)	\$839	\$878	\$931	\$949	\$1,003	\$1,053	\$1,105
Reservoir Draw	246,640	282,750	930,792	854,100	722,160	758,160	839,800
Ventura Co Water Works	232,797	251,666	289,130	308,388	324,926	333,541	342,477
City of Simi Valley	45,801	50,000	57,443	61,269	64,555	66,267	68,042
Net Purchased Expense	20,374,231	20,230,232	23,452,112	25,017,966	26,404,531	27,123,528	27,867,808
Reservoir Adjustment	\$23,327	\$440,111	\$140,000	\$157,941	\$161,816	\$166,321	\$171,026
Total Cost of Water	\$20,397,558	\$20,670,343	\$23,592,112	\$25,175,907	\$26,566,348	\$27,289,849	\$28,038,834

MWD Water Supply Rates

Description	CY		CY 2018	CY 2019	CY 2020	CY 2022	
	2016	CY 2017		Est. (a)	Est. (a)	CY 2021 Est. (a)	Est. (a)
Calendar Year Rates							
Tier 1 Supply Rate (\$/AF)	\$156	\$201	\$209	\$209	\$208	\$221	\$229
Tier 2 Supply Rate (\$/AF)	\$290	\$295	\$295	\$295	\$295	\$295	\$295
System Access Rate (SAR, \$/AF)	\$259	\$289	\$299	\$326	\$346	\$349	\$365
Water Stewardship Rate (\$/AF)	\$41	\$52	\$55	\$69	\$65	\$65	\$65
System Power Rate (\$/AF)	\$138	\$124	\$132	\$127	\$136	\$146	\$148
Water Transfer/Delta Surcharge (\$/AF)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment Surcharge (\$/AF)	\$348	\$313	\$320	\$319	\$323	\$323	\$323
Treated Water Fixed Charge (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cap Reservation Charge (CRC, \$/cfs)	####	\$8,000	\$8,700	\$7,334	\$7,500	\$9,400	\$9,900
RTS Revenues (\$M, b)	\$153	\$135	\$140	\$133	\$136	\$144	\$152
Fiscal Year-based Rates							
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Tier 1 Supply Rate (\$/AF)	\$174	\$204	\$209	\$209	\$213	\$224	\$229
Tier 2 Supply Rate (\$/AF)	\$292	\$295	\$295	\$295	\$295	\$295	\$295
System Access Rate (SAR, \$/AF)	\$271	\$293	\$310	\$334	\$347	\$355	\$365
Water Stewardship Rate (\$/AF)	\$45	\$53	\$61	\$67	\$65	\$65	\$65
System Power Rate (\$/AF)	\$132	\$127	\$130	\$131	\$140	\$147	\$148
Water Transfer/Delta Surcharge (\$/AF)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment Surcharge (\$/AF)	\$334	\$316	\$320	\$321	\$323	\$323	\$323
Treated Water Fixed Charge (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cap Reservation Charge (CRC, \$/cfs)	\$9,450	\$8,350	\$8,017	\$7,417	\$8,450	\$9,650	\$10,000
RTS Revenues (\$M, b)	\$144	\$138	\$137	\$135	\$140	\$148	\$152

Source: The Metropolitan Water District of Southern California
All rates are per Acre-foot

OPERATING REVENUES

The District uses a variety of methods to estimate the Operating Revenues generated by its various enterprises. Major sources of income are reviewed closely, to allow current trends and activities to appropriately influence each estimate. These sources are detailed in the following paragraphs. Known contractual receipts, such as rental income, are estimated at their current known value. Other minor receipts are estimated based on the average collection for the previous three-year period.

Potable Water

Potable water sales are normally projected using the prior three years' retail sales volume, adjusted for growth and approved rates. Weather is a primary factor in the demand for potable water. Consequently, the actual sales volume may differ significantly from the projection in any fiscal period. In response to the Governor's executive order in 2015 to reduce potable water usage, the District was mandated by the State Water Resources Control Board to reduce its potable water use by 36%. Future water demand is expected to increase modestly in each of the two budget years.

In January 2016 the District implanted a budget-based rate structure. Individual customer water budgets promote an efficiency ethic to promote water conservation and provide long-term financial stability for the District. The rates also included increases needed to meet the ongoing costs of providing safe, reliable water service.

Recycled Water

Recycled water sales are normally estimated using the prior three years' retail sales volume, adjusted for distribution system growth and approved rates, similar to the Potable water delivery estimates. Weather is the primary factor in the demand for recycled water. The District is currently unable to distribute all of the recycled water available and has not implemented use restrictions due to the water shortage. However, customers appear to be responding to water conservation requests by reducing use of recycled water as well as potable water. Recycled water demand is projected to mirror the annual demand pattern forecast for Potable water use. The rates implemented in January 2016 also include an annual increase of 2% to offset projected operating costs and capital improvements.

Sanitation

Sanitation revenues are derived primarily from a fixed bi-monthly customer charge. The number of Equivalent Residential Units (ERUs) does not vary significantly from one period to the next. Past history has shown the change in ERUs to be less than 1% annually. The increase in ERUs is projected to be 0.04% for FY 2018-19 and 0.07% for FY 2019-20. The rates implemented in January 2016 also include an annual increase of 2% to offset projected operating costs and capital improvements.

Joint Powers Authority

The Joint Powers Authority(JPA) treats wastewater collected from the District and from Triunfo Sanitation District(TSD). The tertiary treatment of wastewater results in a high quality recycled water, which is made available to each agency in proportion to the volume of wastewater collected from each district. Wholesale rates are set to recover the operations and maintenance costs of the JPA's recycled water backbone distribution system. Beginning in July 2011, the rate changed to recover costs related to the administration of, and depreciation on, the JPA recycled water system. Projected demand from each district is normally based on the prior three years' average demand. For FY 2018-19 and FY 2019-20, the JPA is projecting no increase in sales. The JPA also produces high quality garden compost which is available to the public at no cost and may be sold for commercial applications.

Recycled Water Revenue - Summary

Revenue		<u>FY17-18 Budget</u>	<u>FY17-18 Est Act</u>	<u>FY18-19 Projected</u>	<u>FY19-20 Projected</u>
4215	Calabasas	752,000	588,000	600,000	612,000
4220	LV Valley	322,000	287,000	293,000	299,000
4225	Cib-MWD	1,384,000	1,375,000	1,403,000	1,431,000
4230	Western	<u>2,334,000</u>	<u>2,747,000</u>	<u>2,802,000</u>	<u>2,858,000</u>
	Total	<u><u>4,792,000</u></u>	<u><u>4,997,000</u></u>	<u><u>5,098,000</u></u>	<u><u>5,200,000</u></u>

Acre Feet Billed		<u>FY17-18 Budget</u>	<u>FY17-18 Est Act</u>	<u>FY18-19 Projected</u>	<u>FY19-20 Projected</u>
4215	Calabasas	642	534	534	534
4220	LV Valley	298	317	317	317
4225	Cib-MWD	1,249	1,403	1,403	1,403
4230	Western	<u>2,393</u>	<u>2,576</u>	<u>2,576</u>	<u>2,576</u>
	Total	<u><u>4,582</u></u>	<u><u>4,830</u></u>	<u><u>4,830</u></u>	<u><u>4,830</u></u>

Summary of Sanitation Revenues (130000)

	<u>FY17-18 Budget</u>	<u>FY17-18 Est. ERUs</u>	<u>FY17-18 Est. Actual</u>	<u>FY18-19 Est. ERUs</u>	<u>FY18-19 Budget</u>	<u>FY19-20 Est. ERUs</u>	<u>FY19-20 Budget</u>
SF RES	\$ 10,226,000	15,718	\$ 9,712,000	15,723	\$ 9,916,000	15,731	\$ 10,118,000
MF RES	\$ 3,288,000	6,912	\$ 3,614,000	6,924	\$ 3,588,000	6,939	\$ 3,658,000
COMM	\$ 4,165,000	4,298	\$ 4,899,000	4,293	\$ 4,735,000	4,289	\$ 4,746,000
	<u>\$ 17,679,000</u>	<u>26,928</u>	<u>\$ 18,225,000</u>	<u>26,940</u>	<u>\$ 18,239,000</u>	<u>26,959</u>	<u>\$ 18,522,000</u>

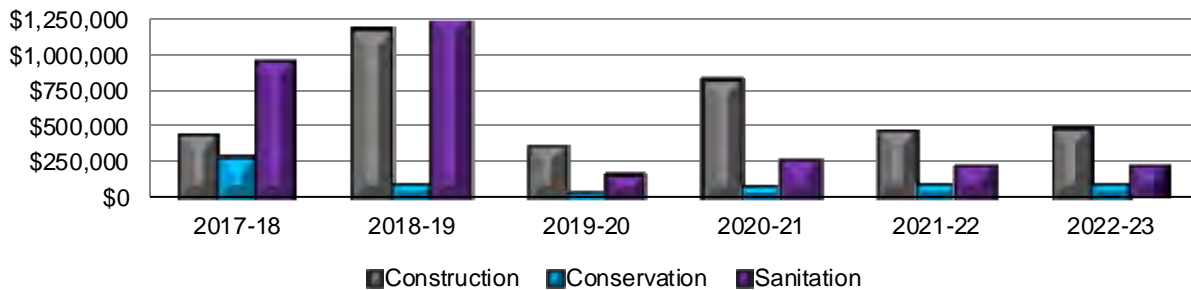
CAPACITY FEES

The District imposes capacity fees when a customer requests a new service connection or connections to the potable water and/or sanitation system. Capacity Fee funds are used by the District to plan, design and construct new facilities to support the additional demand placed on the water and sanitation systems by the new service connections. Fees received are held on deposit until the District determines that the service has commenced. Determination of a service commencement may be triggered by the acceptance by the District of a developer-installed water system, installation of a water meter for new service, or commencement of sewer service. Collected fees are transferred to the appropriate water or sanitation construction fund at this time.

Capacity Fees for the water system contain components for the Potable Water Construction Fund and the Water Conservation Fund. Capacity Fees for the sanitation system connections contain the component for the Sanitation Construction Fund for growth-related improvements in the wastewater treatment system, including Tapia Water Reclamation Facility and Rancho Las Virgenes Biosolids Handling and Composting Facility.

Anticipated Capacity Fee Revenue

Fiscal Year	Construction	Conservation	Sanitation	Totals
2017-18	448,050	286,418	961,278	1,695,746
2018-19	1,182,676	101,445	1,267,296	2,551,417
2019-20	358,970	35,456	169,034	563,460
2020-21	823,977	81,435	268,098	1,173,510
2021-22	471,166	92,846	220,777	784,789
2022-23	485,301	95,631	227,400	808,332



Water capacity fees are collected to fund the costs of installing additional water treatment, transmission, distribution, and storage projects identified in the District's 20-year Master Plan. Funds from Capacity Fees provide for future additions to the system, and pay any Debt Service costs of previous expansions of the system.

The Water Conservation fee funds water conservation measures and extensions to the Recycled Water System. Developers are required to extend and/or build new recycled water systems to relieve the demand that landscape irrigation places on the potable water system. Developers may apply for cost reimbursement by the District, up to half the Water Conservation fees component of the Water Capacity Fee paid to the District. The District does not anticipate any reimbursement to developers in current budget.

Sanitation Capacity Fees are collected to fund the costs of expanding the sanitary, water reclamation treatment facilities, and bio-solids handling and composting facilities. Debt service on previous expansions, and projected capacity requirements in the 20-year Master Plan determine the projected capital needs of the systems. Sanitation Capacity Fees are imposed based on Equivalent Residential Units (ERUs) to standardize the commercial and industrial connections with residential connections for new services.

The recognition of capacity fee revenue is dependent upon the rate of real property development occurring in the District. While it is possible to recognize long-term development trends, the completion of individual projects is at the discretion of the property owner or developer. The District reviews service applications, development plans, and construction activity to project capacity fee revenue for the current and next five fiscal years.

GENERAL AND ADMINISTRATIVE (G&A) EXPENSE ALLOCATION

The District utilizes a Full-Cost Central Services Costs Allocation Plan (FCAP) to identify the costs of central support services (Internal Services) provided to the Operating, Capital Projects and other Business Units of the District and the Joint Powers Authority (JPA). The allocation of these central services costs is shown throughout the budget as Allocated Support Services for general administrative services, and as Allocated Operations Services for operations and maintenance services.

The current plan was prepared using actual costs and allocation bases for FY 2004-05. From this adopted plan, the District will periodically update the plan, consistent with the current operations of the District and JPA. In addition to updating the allocation bases and estimated indirect costs, the District has adjusted the allocations to the JPA in order to comply with the current JPA agreement. The JPA agreement requires that general and administrative costs be based on the cost of labor. Since the FCAP does not provide for allocation based strictly on labor, an initial allocation is performed on allowed costs, using the ratio of direct charged labor to the JPA vs. direct charged labor to other District enterprises. The remaining unallocated costs are distributed using the methodology in the FCAP.

The following selections from the FY 2004-05 FCAP summarize the methodology and procedure used by the District to allocate Internal Services.

LAS VIRGENES MUNICIPAL WATER DISTRICT



INTRODUCTION

The FY 2005 Full-Cost Central Services Costs Allocation Plan (FCAP) identifies the costs of central support services provided by central service departments of the Las Virgenes Municipal Water District (LVMWD) to its operating departments, special funds and other entities of the LVMWD. The FCAP is based on actual expenditures for the fiscal year ending June 30, 2005. MAXIMUS, Inc. has prepared the FCAP at the request of the LVMWD.

The FCAP has been prepared in compliance with generally accepted accounting principles (GAAP) as recognized by the Governmental Accounting Standards Board (GASB). Incorporated within GAAP are three basic principles related to the allocation of central service support costs to operating departments which have been adhered to in the preparation of the FCAP. First, costs should be necessary and reasonable for proper performance of a program. Second, costs should be charged or allocated to programs in accordance with relative benefits received. A program should only be charged for services it utilizes or benefits from, and should only be charged in relation to benefits derived from the service. Third, costs should be accorded consistent treatment as either direct or indirect. A cost should not be charged to a program as a direct cost if any other cost incurred for the same purpose in like circumstances have been allocated to the program as indirect costs.

The Full-Cost Allocation Plan is presented in the following sections:

- **LVMWD Expenditures** - Schedule of FY 2005 total LVMWD expenditures by fund and department.
- **Reconciliation of Indirect Costs** - A schedule identifying the adjustments for direct charges made in the Plan.
- **Adjusted Expenditures** - A schedule detailing adjustments for direct labor and supplies charges made to the Plan.
- **Comparison of Allocated Expenditures** - A schedule identifying the additional indirect cost reduction.
- **Summary of Allocated Costs** - Summary schedule providing a reconciliation of costs allocated in the Central Service Cost Allocation Plan to the LVMWD's total budgeted expenditures. Schedule A in the Central Service Cost Allocation Plan provides allocated costs detail to support this schedule.
- **Central Services Cost Allocation Plan** - Detailed analysis and allocation of the costs of central service departments.

FULL-COST COST ALLOCATION PLAN FY 2005



CENTRAL SERVICES COST ALLOCATION PLAN

The Central Services Cost Allocation Plan has been prepared in accordance with generally accepted accounting principles. A consistent approach has been followed in the treatment of costs as direct or indirect costs. In no case have costs charged as direct costs to programs been included as indirect costs. Expenditure information utilized in the Plan was obtained from the LVMWD's financial reports for fiscal year ending June 30, 2005. Statistics used to allocate costs are from full years' FY 2005 data.

Methodology

A multiple allocation base methodology has been utilized to prepare the Plan. This methodology acknowledges that the utilization of central administration and support (indirect) services by users varies by type of service. The cost of each indirect service or activity of a service is allocated to users based on an appropriate allocation base related to the service performed. For example, accounts payable activities have been allocated on the number of accounts payable transactions processed; personnel activities have been allocated on the cost of labor adjustments for an 80% productivity standard; and purchasing has been allocated on the number of purchase orders processed. In selecting an allocation base to be used, the objective has been to utilize a base for each service which is available and reasonably results in the allocation of a service to users based on the relative benefit they receive or derive.

Procedure

A double step-down allocation procedure has been used to distribute costs among central services and to other departments and funds that receive benefits. The double step-down procedure initially requires a sequential ordering of agencies. Department indirect cost allocations are then made in the order selected to all benefiting programs, including cross allocations to other central services. To insure that the cross-benefit of services among central services is fully recognized, a second step down allocation for each central service is made. Costs allocated of each central service, consist of the following:

First Allocation - the actual operating expenditures for the central service unit, plus all allocated costs from other central service units which have been identified up to this point.

Second Allocation - costs from other central service units made subsequent to that central service unit's first allocation. With respect to the double step-down methodology, two important points should be noted:

- (1) the initial sequencing of central service units was made in consideration of the ordering which maximizes the benefits of services, and
- (2) after the second allocation of each central service unit, that unit was "closed" and could not receive any additional allocation from other central services.

To ease comprehension and to avoid unnecessary bulk in the plan, the first and second allocations are shown on the same schedule within the plan.

FULL-COST COST ALLOCATION PLAN FY 2005

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
Board of Directors & GM	1,246,943	(6,848)	1,240,095	412,447	691,946	7,128	128,574	1,240,095
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
RCPO	4,162,990	522,619	4,685,609	448,122	4,345,426	78,719	(186,659)	4,685,609
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
Facilities & Operations	4,838,741	(959,139)	3,879,602	2,211,395	1,936,166	655,306	(923,265)	3,879,602
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
Finance & Administration	4,870,637	(317,922)	4,552,715	2,612,137	853,041	106,188	981,349	4,552,715
Total Allocated G&A Costs	15,119,311	(761,290)	14,358,021	5,684,101	7,826,580	847,340	-	14,358,021
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
Total Direct Allocations				469,751	291,539	-	-	761,290
Total all Allocated Costs				6,153,852	8,118,119	847,340	-	15,119,311

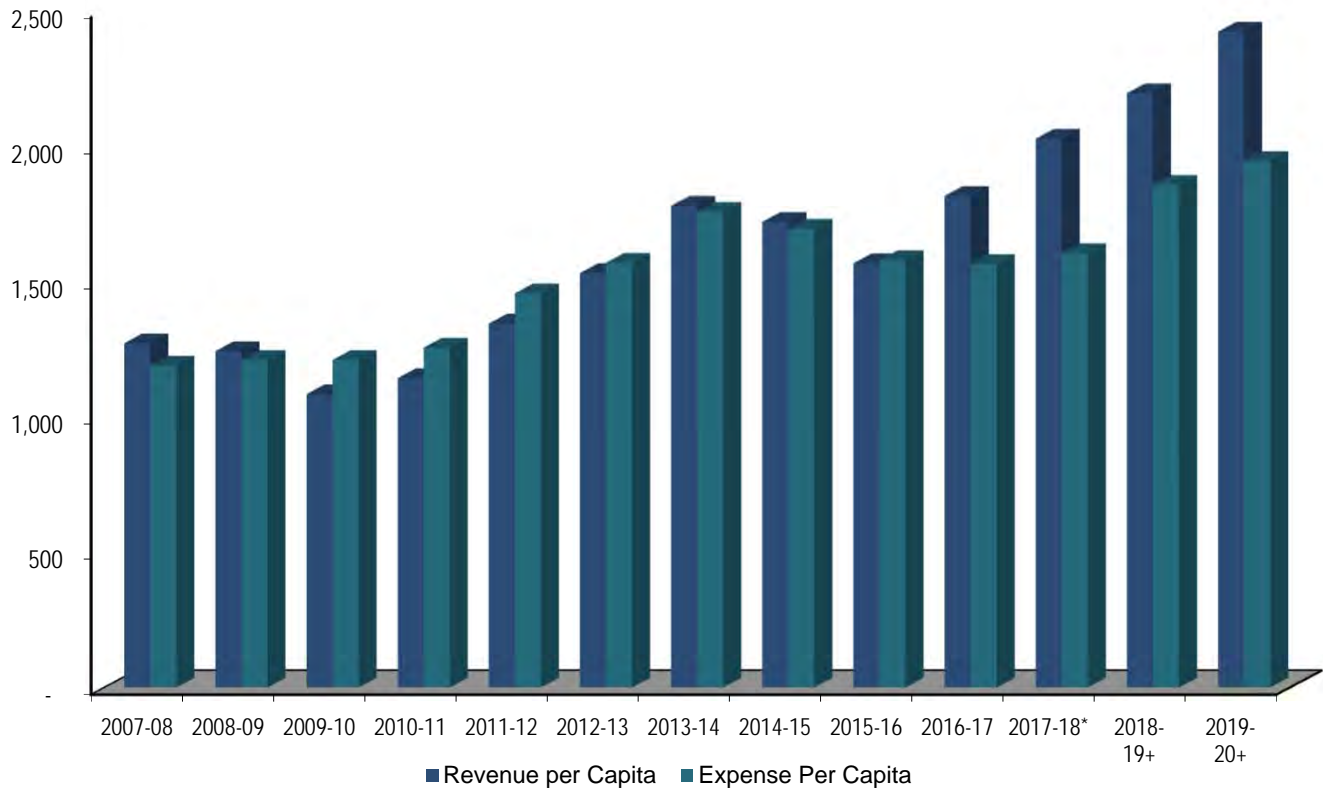
**Las Virgenes Municipal Water District
Summary of Allocated Internal Service Costs
FY 2018-19 Budget**

				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
Board of Directors & GM	1,463,219	(13,601)	1,449,618	473,609	820,213	8,604	147,193	1,449,618
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
RCPO	4,943,542	532,825	5,476,367	563,378	5,109,211	98,169	(294,391)	5,476,367
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
Facilities & Operations	5,550,045	(1,081,855)	4,468,190	2,506,759	2,384,317	730,933	(1,153,819)	4,468,190
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
Finance & Administration	5,786,128	(321,849)	5,464,279	3,022,648	1,011,472	129,142	1,301,017	5,464,279
Total Allocated G&A Costs	17,742,934	(884,480)	16,858,454	6,566,394	9,325,213	966,847	-	16,858,454
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
Total Direct Allocations				542,787	341,693	-	-	884,480
Total all Allocated Costs				7,109,181	9,666,906	966,847	-	17,742,934

**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
Board of Directors & GM	1,424,476	(13,292)	1,411,184	475,438	775,734	8,704	151,308	1,411,184
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
RCPO	4,934,128	559,009	5,493,137	571,481	5,105,974	100,290	(284,608)	5,493,137
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
Facilities & Operations	5,607,156	(1,071,915)	4,535,241	2,535,134	2,434,780	752,010	(1,186,684)	4,535,241
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
Finance & Administration	5,979,749	(339,146)	5,640,603	3,144,361	1,042,589	133,669	1,319,985	5,640,603
Total Allocated G&A Costs	17,945,509	(865,344)	17,080,165	6,726,414	9,359,077	994,673	-	17,080,165
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
Total Direct Allocations				536,187	329,157	-	-	865,344
Total all Allocated Costs				7,262,601	9,688,234	994,673	-	17,945,509

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Potable Water Revenue/Operating Expense Per Capita**



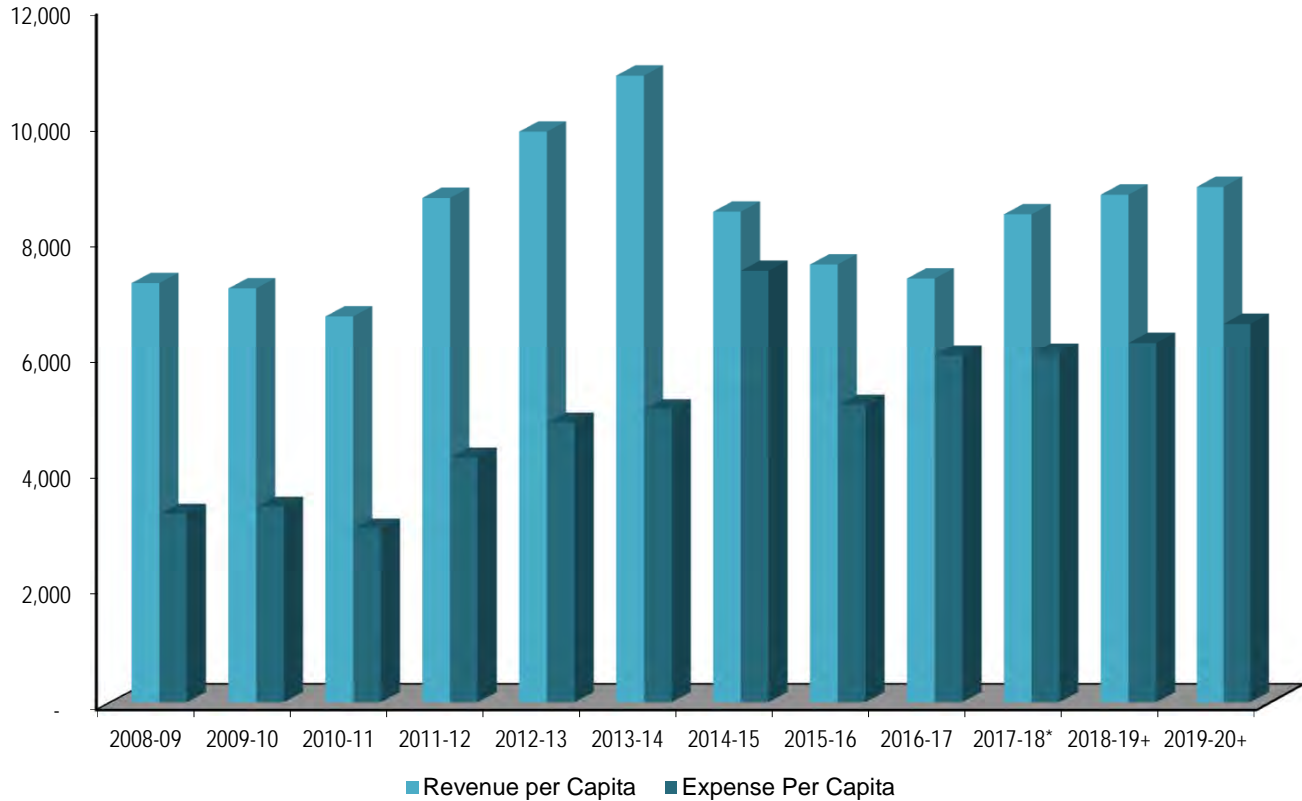
Fiscal Year	Customers	Operating Revenue (000)	Revenue per Capita	Operating Expense (000)	Expense Per Capita
2007-08	20,255	25,828	1,275	24,170	1,193
2008-09	20,308	25,308	1,246	24,648	1,214
2009-10	20,259	22,050	1,088	24,591	1,214
2010-11	20,240	23,220	1,147	25,487	1,259
2011-12	19,854	26,753	1,347	28,955	1,458
2012-13	19,879	30,472	1,533	31,228	1,571
2013-14	19,893	35,402	1,780	34,965	1,758
2014-15	19,935	34,306	1,721	33,800	1,696
2015-16	19,953	31,302	1,569	31,537	1,581
2016-17	19,970	36,265	1,816	31,278	1,566
2017-18*	20,028	40,582	2,026	32,169	1,606
2018-19+	20,086	44,050	2,193	37,303	1,857
2019-20+	20,144	48,731	2,419	39,169	1,944

Source: LVMWD Accounting Department

* Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Recycled Water Revenue/Operating Expense Per Capita**



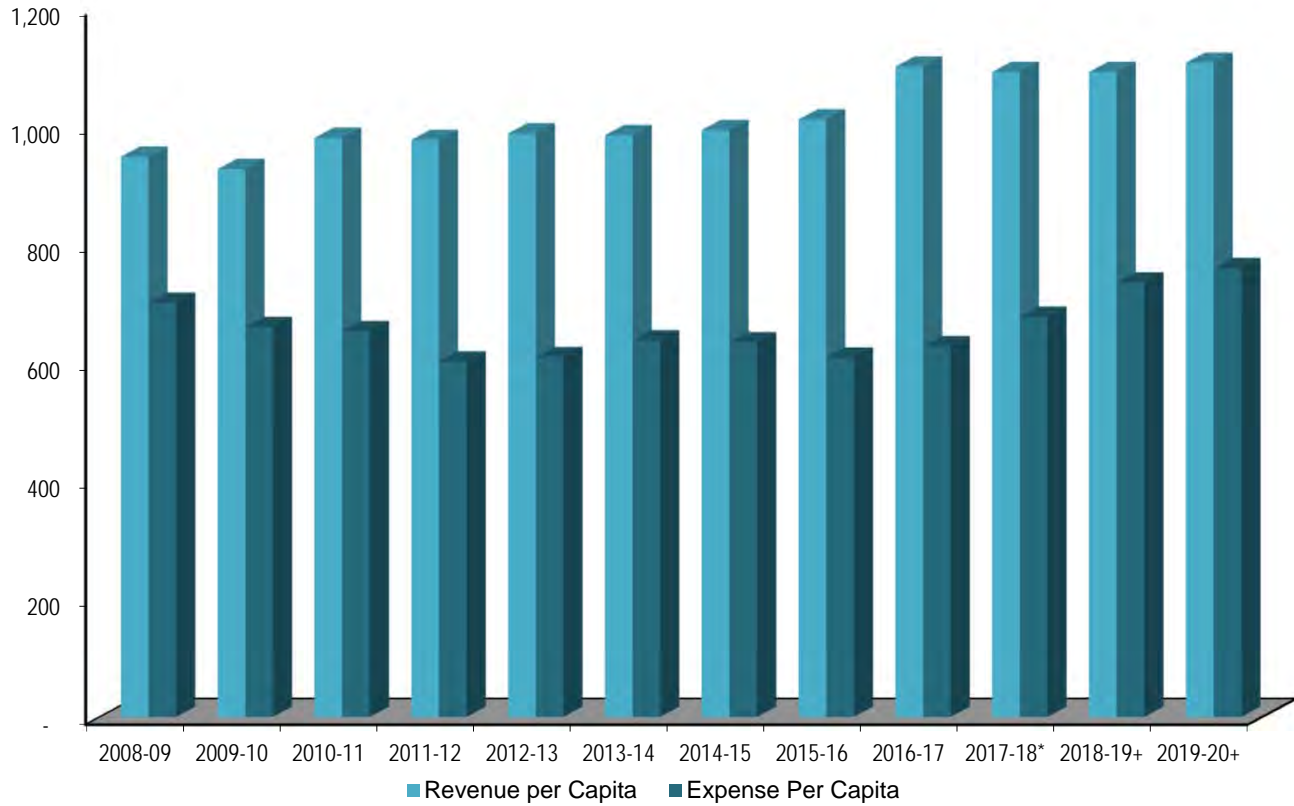
Fiscal Year	Customers	Operating Revenue (000)	Revenue per Capita	Operating Expense (000)	Expense Per Capita
2008-09	621	4,504	7,253	2,026	3,262
2009-10	591	4,233	7,162	2,000	3,384
2010-11	582	3,888	6,680	1,750	3,007
2011-12	591	5,151	8,716	2,499	4,228
2012-13	609	6,002	9,856	2,942	4,831
2013-14	616	6,663	10,817	3,119	5,063
2014-15	607	5,147	8,479	4,530	7,463
2015-16	608	4,602	7,574	3,123	5,140
2016-17	657	4,817	7,332	3,944	6,003
2017-18*	658	5,547	8,434	3,969	6,035
2018-19+	658	5,775	8,772	4,097	6,223
2019-20+	659	5,868	8,905	4,317	6,551

Source: LVMWD Accounting Department

* Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Sanitation Revenue/Operating Expense Per Capita**



Fiscal Year	Customers	Operating Revenue (000)	Revenue per Capita	Operating Expense (000)	Expense Per Capita
2008-09	16,720	15,847	948	11,721	701
2009-10	16,692	15,473	927	11,015	660
2010-11	16,740	16,402	980	10,934	653
2011-12	16,792	16,394	976	10,104	602
2012-13	16,802	16,587	987	10,235	609
2013-14	16,817	16,552	984	10,722	638
2014-15	16,845	16,726	993	10,680	634
2015-16	16,868	17,050	1,011	10,260	608
2016-17	16,917	18,614	1,100	10,614	627
2017-18*	16,934	18,476	1,091	11,469	677
2018-19+	16,951	18,494	1,091	12,465	735
2019-20+	16,968	18,777	1,107	12,887	759

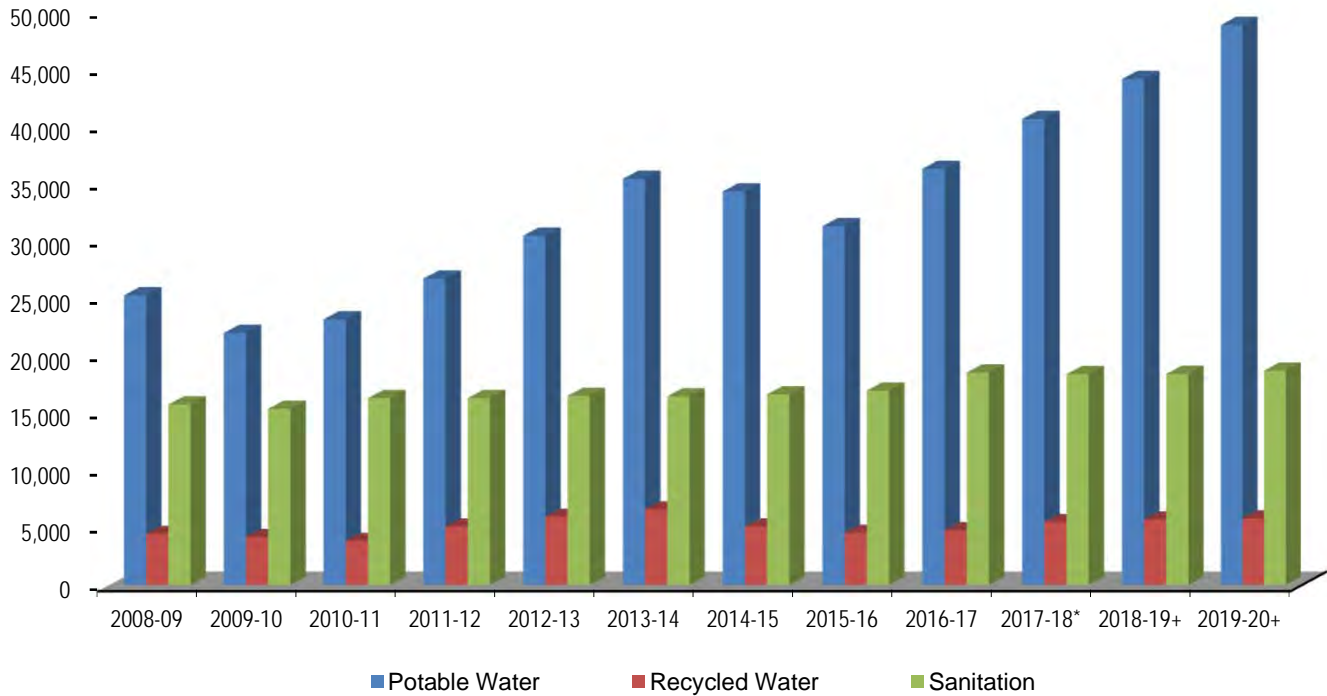
Source: LVMWD Accounting Department

* Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Financial Trend Information
Operating Revenues by Source**

(Dollars in Thousands)



OPERATING REVENUE

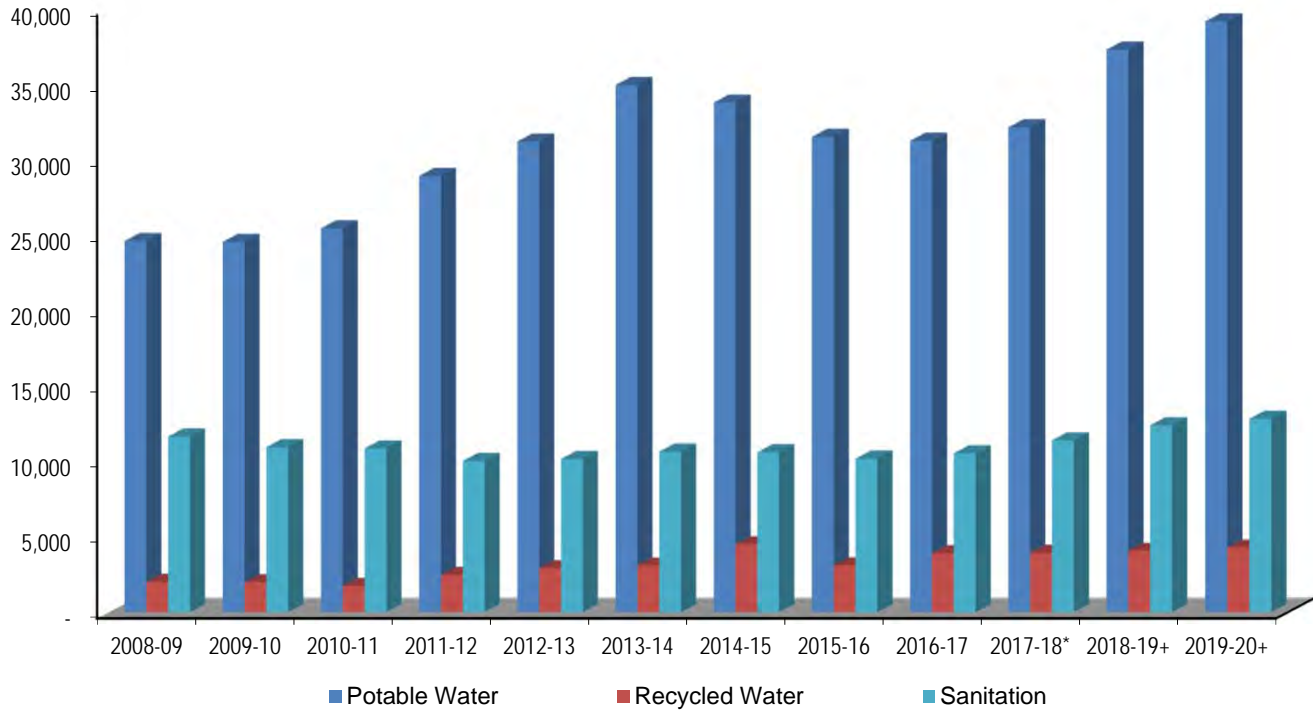
FISCAL YEAR	POTABLE WATER	RECYCLED WATER	SANITATION	TOTAL
2008-09	25,308	4,504	15,847	45,659
2009-10	22,050	4,233	15,473	41,756
2010-11	23,220	3,888	16,402	43,510
2011-12	26,753	5,151	16,394	48,298
2012-13	30,472	6,002	16,587	53,061
2013-14	35,402	6,663	16,552	58,617
2014-15	34,306	5,147	16,726	56,179
2015-16	31,302	4,602	17,050	52,954
2016-17	36,265	4,817	18,614	59,696
2017-18*	40,582	5,547	18,476	64,605
2018-19+	44,050	5,775	18,494	68,319
2019-20+	48,731	5,868	18,777	73,376

*Estimated
+Budget

Source: LVMWD Accounting Department

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Financial Trend Information
Operating Expenses by Source**

(Dollars in Thousands)



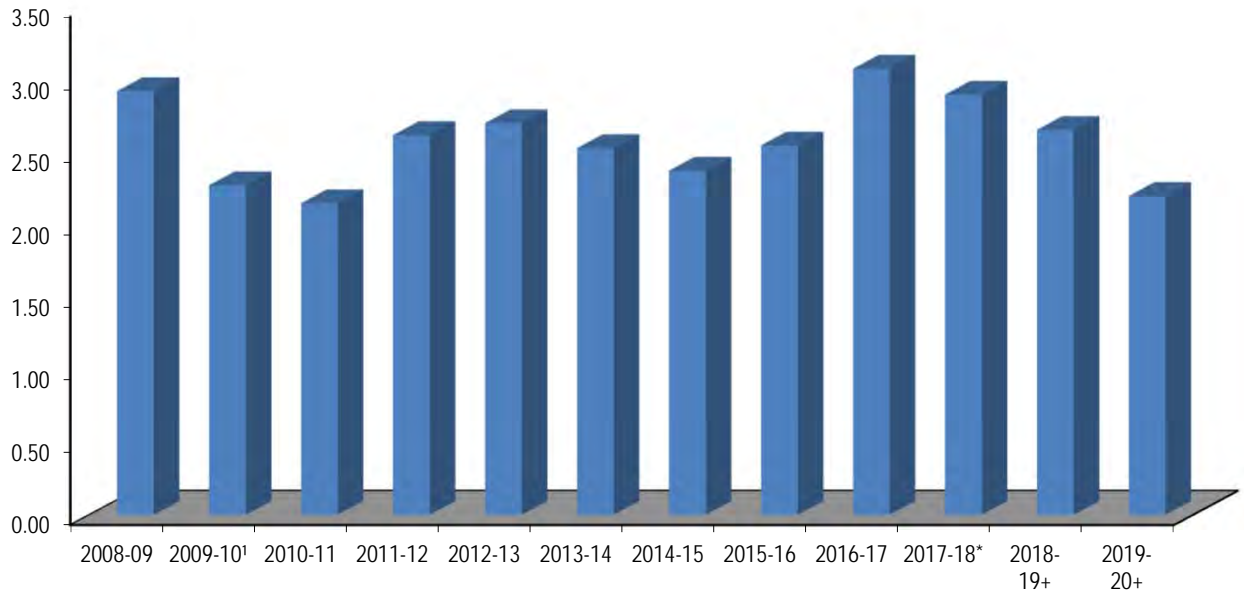
OPERATING EXPENSE

FISCAL YEAR	POTABLE WATER	RECYCLED WATER	SANITATION	TOTAL
2008-09	24,648	2,026	11,721	38,395
2009-10	24,591	2,000	11,015	37,606
2010-11	25,487	1,750	10,934	38,171
2011-12	28,955	2,499	10,104	41,558
2012-13	31,228	2,942	10,235	44,405
2013-14	34,965	3,119	10,722	48,806
2014-15	33,800	4,530	10,680	49,010
2015-16	31,537	3,123	10,260	44,920
2016-17	31,278	3,944	10,614	45,836
2017-18*	32,169	3,969	11,469	47,607
2018-19+	37,303	4,097	12,465	53,865
2019-20+	39,169	4,317	12,887	56,373

Source: LVMWD Accounting Department
*Estimated
+Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Ratio of Annual Debt Service**

(Dollars in Thousands)



Fiscal Year	Principal	Interest	Total Debt Service	Net Available Revenue	Coverage
2008-09	\$ 1,785	\$ 2,036	\$ 3,821	\$ 11,151	2.92
2009-10 ¹	\$ 2,025	\$ 731	\$ 2,756	\$ 6,263	2.27
2010-11	\$ 1,650	\$ 1,103	\$ 2,753	\$ 5,916	2.15
2011-12	\$ 1,690	\$ 1,065	\$ 2,755	\$ 7,209	2.62
2012-13	\$ 1,725	\$ 1,031	\$ 2,756	\$ 7,437	2.70
2013-14	\$ 1,765	\$ 987	\$ 2,752	\$ 6,955	2.53
2014-15	\$ 1,840	\$ 903	\$ 2,743	\$ 6,508	2.37
2015-16	\$ 1,925	\$ 830	\$ 2,755	\$ 7,014	2.55
2016-17	\$ 2,025	\$ 731	\$ 2,756	\$ 8,466	3.07
2017-18*	\$ 2,125	\$ 628	\$ 2,753	\$ 7,968	2.89
2018-19+	\$ 2,210	\$ 541	\$ 2,751	\$ 7,296	2.65
2019-20+	\$ 2,305	\$ 450	\$ 2,755	\$ 6,059	2.20

*Estimated

+Budget

¹1998 Installment Purchase Refunding Revenue Bonds was refunded by 2009 Sanitation System Refunding Revenue Bonds, along with a contribution from the District to pay off water funds' obligation. Net Available Revenue from January 2010 and going forward includes sanitation system revenue only.

Source: LVMWD Accounting Department

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Summary of District Customers**

Year	Water				Recycled Water	Sewer		
	Residential	Commercial	Irrigation	Total		Residential	Commercial	Total
2008	19,303	694	258	20,255	609	16,089	638	16,727
2009	19,308	725	275	20,308	621	16,084	636	16,720
2010	19,204	792	263	20,259	591	16,053	639	16,692
2011	19,184	802	254	20,240	582	16,050	690	16,740
2012	18,799	814	241	19,854	591	16,093	699	16,792
2013	18,806	818	255	19,879	609	16,100	702	16,802
2014	18,820	820	253	19,893	616	16,113	704	16,817
2015	18,853	825	257	19,935	607	16,133	712	16,845
2016	18,873	825	255	19,953	608	16,157	711	16,868
2017	18,881	832	257	19,970	657	16,202	715	16,917
2018*	18,938	833	257	20,028	658	16,218	716	16,934
2019*	18,994	834	258	20,086	658	16,234	716	16,951
2020*	19,051	834	258	20,144	659	16,251	717	16,968

Source: LVMWD Accounting Department

* Estimated

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Sanitation System - Average Daily Dry Weather Flow
(In Millions of Gallons Per Day)**

	Total	District	
2008	8.755	5.814	2.971
2009	8.219	5.488	2.731
2010	8.001	5.322	2.679
2011	8.100	5.450	2.670
2012	7.610	4.983	2.627
2013	7.579	5.031	2.548
2014	7.280	4.880	2.400
2015	6.397	3.956	2.441
2016	6.109	3.667	2.442
2017	6.029	3.688	2.341
2018#	6.240	3.930	2.310
2019+	6.080	3.760	2.320
2020+	6.150	3.830	2.320

Source: LVMWD Operations Department

* Some flow diverted to City of Los Angeles

Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
History of Potable Water Connections and Deliveries**

<u>Fiscal Year</u>	<u>Connections</u>	<u>Potable Water Deliveries (acre-feet)</u>	<u>Potable Water Deliveries/Connection (acre-feet)</u>
2007-08	20,255	25,449	1.256
2008-09	20,308	23,427	1.154
2009-10	20,259	19,072	0.941
2010-11	20,240	18,988	0.938
2011-12	19,854	20,806	1.048
2012-13	19,879	22,264	1.120
2013-14	19,893	23,867	1.200
2014-15	19,935	20,307	1.019
2015-16	19,953	17,153	0.860
2016-17	19,970	18,162	0.909
2017-18*	20,028	19,464	0.972
2018-19+	20,086	20,101	1.001
2019-20+	20,144	20,857	1.035

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Realized Water and Sanitation Capacity Fees**

<u>Fiscal Year</u>	<u>Water Capacity Fees</u>	<u>Sanitation Capacity Fees</u>	<u>Total</u>
2007-08	1,153,072	2,161,700	3,314,772
2008-09	772,170	282,250	1,054,420
2009-10	823,836	537,800	1,361,636
2010-11	283,662	448,350	732,012
2011-12	282,454	918,600	1,201,054
2012-13	513,062	1,085,000	1,598,062
2013-14	359,934	1,124,550	1,484,484
2014-15	342,868	462,000	804,868
2015-16	143,068	224,000	367,068
2016-17	130,733	465,590	596,323
2017-18*	734,468	961,278	1,695,746
2018-19+	1,284,121	1,267,296	2,551,417
2019-20+	394,426	169,034	563,460

Source: LVMWD Accounting Department

* Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Assessed and Estimated Actual Value of Taxable Property**

(Dollars in Millions)



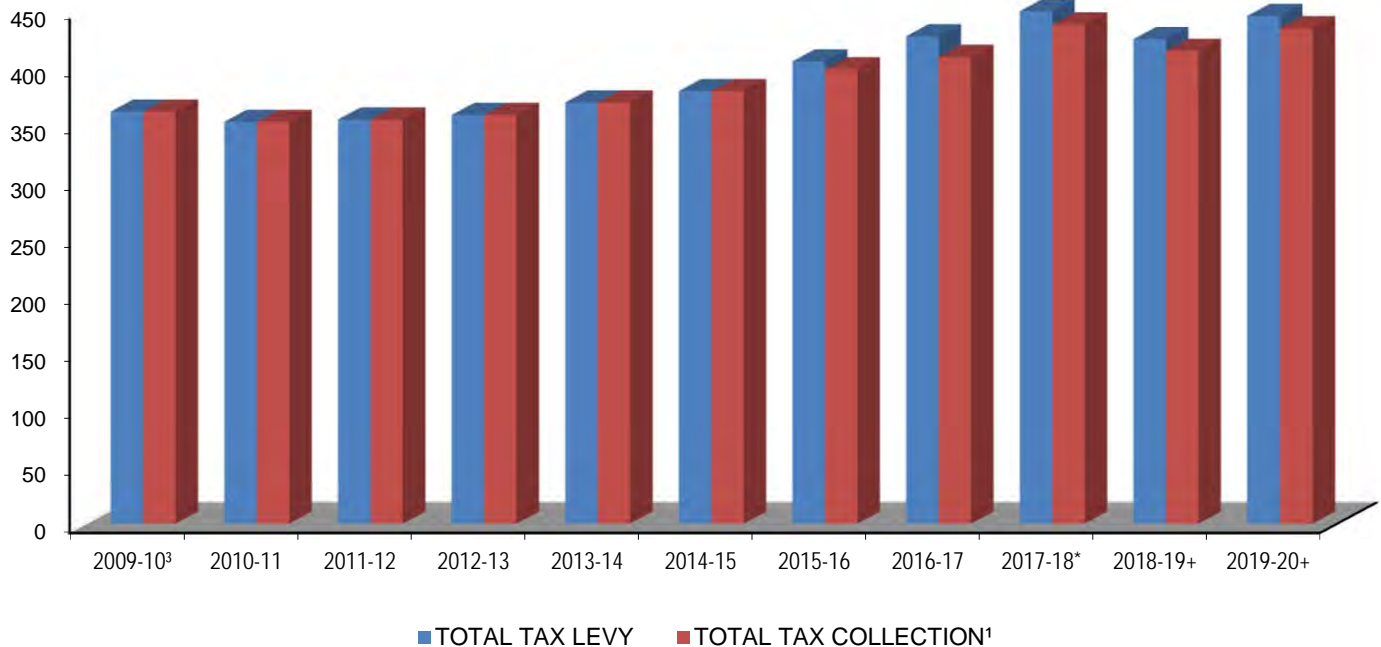
FISCAL YEAR	SECURED PROPERTY		UNSECURED PROPERTY		TOTALS		% OF TOTAL ASSESSED TO EST VALUE
	ASSESSED VALUE	EST ACTUAL VALUE	ASSESSED VALUE	EST ACTUAL VALUE	ASSESSED VALUE	EST ACTUAL VALUE	
2009-10	18,408	18,408	476	476	18,884	18,884	100%
2010-11	18,107	18,107	426	426	18,533	18,533	100%
2011-12	18,184	18,184	444	444	18,628	18,628	100%
2012-13	18,296	18,296	391	391	18,687	18,687	100%
2013-14	19,037	19,037	364	364	19,401	19,401	100%
2014-15	20,024	20,024	362	362	20,386	20,386	100%
2015-16	21,999	21,999	366	366	22,365	22,365	100%
2016-17	21,868	21,868	382	382	22,250	22,250	100%
2017-18	22,916	22,916	389	389	23,305	23,305	100%
2018-19+	24,016	24,016	408	408	24,424	24,424	100%
2019-20+	25,169	25,169	428	428	25,597	25,597	100%

+Budget

Source: Los Angeles County Assessor

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Property Tax Levies and Collections**

(Dollars in Thousands)



FISCAL YEAR	TOTAL TAX LEVY	COLLECTED IN FISCAL YEAR OF LEVY	% OF LEVY COLLECTED	COLLECTED IN SUBSEQUENT YEARS	TOTAL TAX COLLECTION ¹	% OF TOTAL TAX COLLECTION TO LEVY
2009-10 ³	361	333	92.24%	28	361	100.00%
2010-11	352	328	93.18%	24	352	100.00%
2011-12	354	324	91.53%	30	354	100.00%
2012-13	358	345	96.37%	13	358	100.00%
2013-14	369	360	97.56%	9	369	100.00%
2014-15	379	377	99.47%	2	379	100.00%
2015-16	405	396	97.78%	2	398	98.27%
2016-17	427	409	95.78%	-	409	95.78%
2017-18*	449	437	97.39%	-	437	97.39%
2018-19+	424	414	97.60%	-	414	97.60%
2019-20+	445	434	97.61%	-	434	97.61%

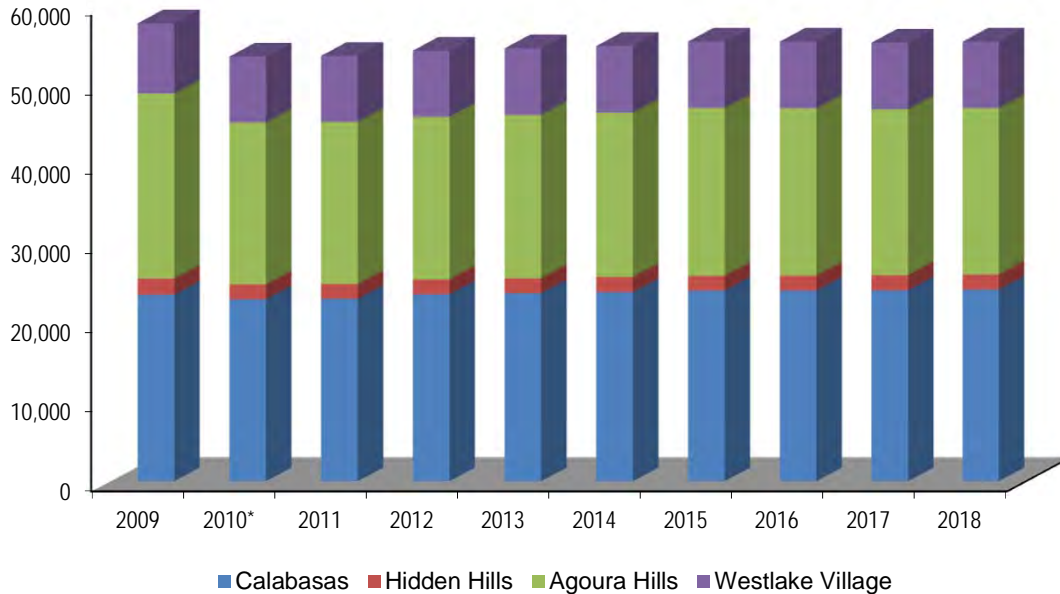
*Estimated
+Budget

¹Total tax collection does not include standby charge direct assessments.

³Tax Levy and Collection amounts before Prop 1A Borrowing, (\$30K).

Source: County of Los Angeles Auditor-Controller's Office

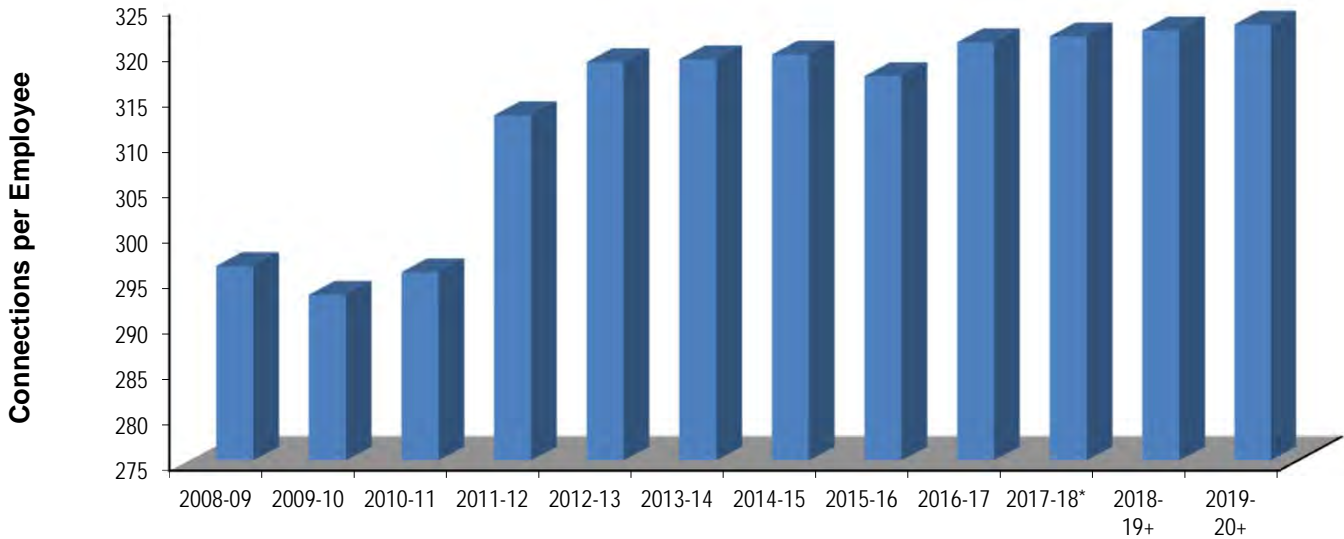
**Las Virgenes Municipal Water District
FY 2018-20 Budget
Demographic Statistics - Population**



	City of Calabasas	City of Hidden Hills	City of Agoura Hills	City of Westlake Village
2009	23,645	2,007	23,250	8,825
2010*	23,072	1,857	20,342	8,276
2011	23,109	1,868	20,371	8,284
2012	23,695	1,870	20,424	8,304
2013	23,816	1,889	20,528	8,347
2014	23,953	1,902	20,635	8,389
2015	24,164	1,860	21,068	8,351
2016	24,168	1,876	21,015	8,370
2017	24,183	1,900	20,858	8,353
2018	24,296	1,892	20,878	8,358

Source: California Department of Finance, Demographic Research Unit
*2010 estimates were revised to incorporate 2010 Census counts.

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Service Connections per Employee**

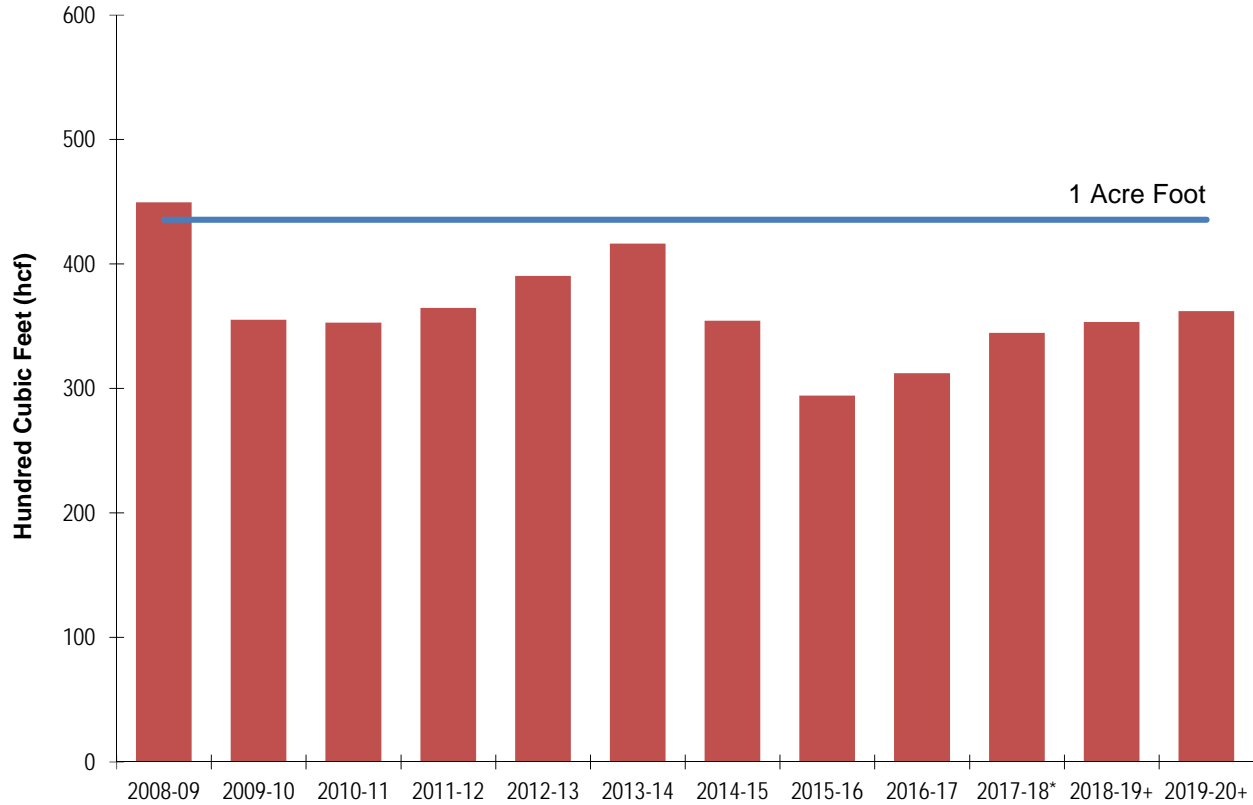


<u>Fiscal Year</u>	<u>Connections-all Services</u>	<u>Authorized Positions</u>	<u>Connections per Employee</u>
2008-09	37,649	127	296.45
2009-10	37,542	128	293.30
2010-11	37,562	127	295.76
2011-12	37,237	119	312.92
2012-13	37,290	117	318.72
2013-14	37,326	117	319.03
2014-15	37,387	117	319.55
2015-16	37,429	118	317.19
2016-17	37,544	117	320.89
2017-18*	37,619	117	321.53
2018-19+	37,695	117	322.18
2019-20+	37,770	117	322.82

*Estimated
+Budget

Source: LVMWD Accounting Department

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Trend Information
Single Family Residential Water Annual Usage per Household**



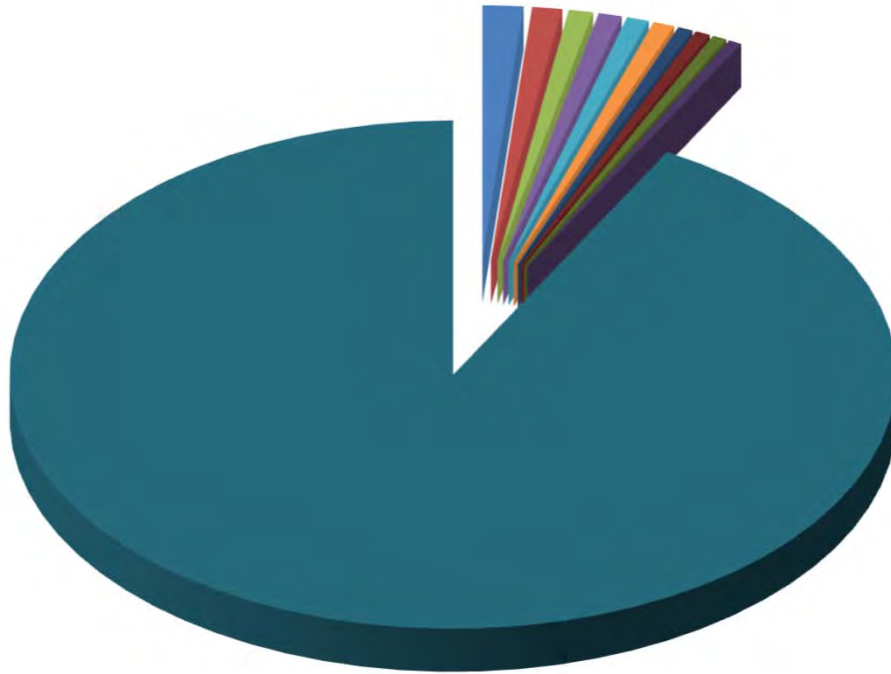
<u>Fiscal Year</u>	<u>Connections</u>	<u>Potable Water Deliveries (hcf)</u>	<u>Potable Water Deliveries/Connection (hcf)</u>
2008-09	18,181	8,172,684	449.518
2009-10	18,170	6,453,475	355.172
2010-11	18,235	6,432,393	352.750
2011-12	18,246	6,654,719	364.722
2012-13	18,253	7,126,211	390.413
2013-14	18,267	7,606,335	416.398
2014-15	18,300	6,486,116	354.433
2015-16	18,320	5,391,295	294.285
2016-17	18,328	5,723,570	312.286
2017-18*	18,385	6,336,755	344.677
2018-19+	18,441	6,514,184	353.236
2019-20+	18,498	6,696,581	362.008

Source: LVMWD Accounting Department

* Estimated

+ Budget

**Las Virgenes Municipal Water District
FY 2018-20 Budget
Principal Customers
For Fiscal Year Ended June 30, 2017**

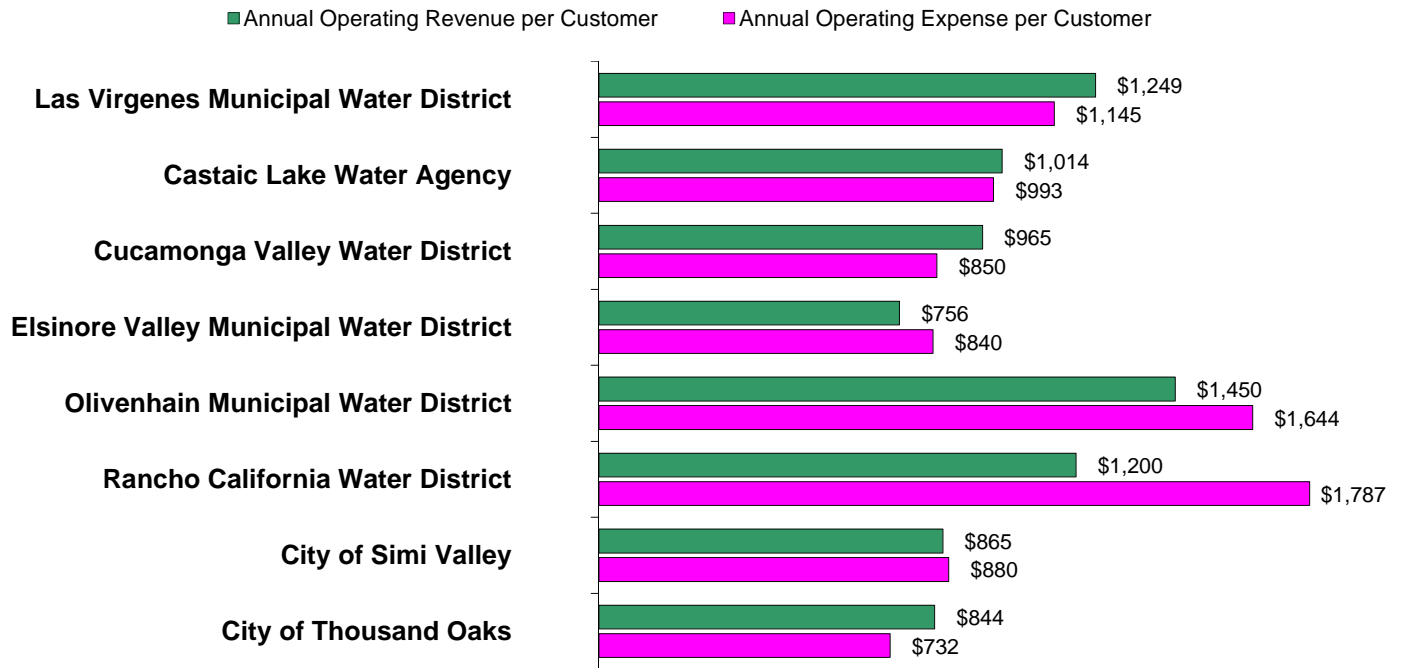


- WESTLAKE WELLBEING PROPERTIES LLC
- ARCHSTONE COMMUNITIES CALABASAS
- MALIBU CANYON APTS
- ARCHSTONE OAK CREEK I LLC
- PEPPERDINE UNIVERSITY
- ALL OTHERS
- CITY OF CALABASAS
- L V U S D
- KNIGHT CALABASAS LLC
- ANNANDALE II HOA
- THE CHEESECAKE FACTORY

Customer Name	Total Revenue	% of Total Operating Revenue
WESTLAKE WELLBEING PROPERTIES LLC	\$ 822,813	1.48%
CITY OF CALABASAS	\$ 606,348	1.09%
ARCHSTONE COMMUNITIES CALABASAS	\$ 492,301	0.89%
L V U S D	\$ 471,943	0.85%
MALIBU CANYON APTS	\$ 452,656	0.82%
KNIGHT CALABASAS LLC	\$ 431,542	0.78%
ARCHSTONE OAK CREEK I LLC	\$ 306,123	0.55%
ANNANDALE II HOA	\$ 303,341	0.55%
PEPPERDINE UNIVERSITY	\$ 293,276	0.53%
THE CHEESECAKE FACTORY	\$ 268,278	0.48%
ALL OTHERS	\$ 51,053,482	91.98%
TOTAL	\$ 55,502,103	100.00%

Source: LVMWD Accounting Department

Las Virgenes Municipal Water District Comparison of Operating Revenue and Expense Water and Sanitation Services



	Annual Operating Revenue ¹ (thousands)	Annual Operating Expense ² (thousands)	Number of Accounts Served (water)	Number of Accounts Served ³ (sanitation)	Number of Accounts Served (combined)
Las Virgenes Municipal Water District	\$ 58,576	\$ 53,716	19,970	26,925	46,895
Castaic Lake Water Agency	31,931	31,244	31,478	-	31,478
Cucamonga Valley Water District	84,523	74,473	50,360	37,231	87,591
Elsinore Valley Municipal Water District	67,462	74,997	43,858	45,392	89,250
Olivenhain Municipal Water District	52,099	59,089	28,563	7,379	35,942
Rancho California Water District	63,432	94,484	44,629	8,237	52,866
City of Simi Valley	54,175	55,119	25,558	37,079	62,637
City of Thousand Oaks	46,888	40,651	17,180	38,352	55,532

Source: FY 2016-17 CAFR

¹ Excluding capital contributions

² Accrual basis of accounting

³ Equivalent Residential Units

GLOSSARY

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

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

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

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

Accounts Receivable – General bills due from customers.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Effluent – Treated wastewater discharged from wastewater treatment plants.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

NPDES – National Pollution Discharge Elimination System

O&M – Operations and Maintenance

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

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

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

Potable Water – Water that is suitable for drinking.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sewage – Word used interchangeably with wastewater.

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

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

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

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

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

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

Water Budget – Same as Customer Water Budget.

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

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

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

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

ACRONYMS

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

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

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