

# Las Virgenes – Triunfo Joint Powers Authority

BRINGING OUR WATER FULL CIRCLE

FISCAL YEARS  
2022-23 / 2023-24 Budget

**PURE WATER  
DEMONSTRATION FACILITY**



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

Fiscal Year 2022-23  
And  
Fiscal Year 2023-24

## **Las Virgenes Municipal Water District**

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

David Pedersen – General Manager

## **Triunfo Water & Sanitation District**

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

Mark Norris – General Manager

Administering Agency:  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302-1994  
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**DATE:** June 13, 2022

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

Presented to the Board for adoption is the Fiscal Year 2022-23 JPA Budget, and for approval the Fiscal Years 2022-24 JPA Budget Plan. The proposed Fiscal Year 2022-23 Operating Budget of \$22.7 million represents a net increase of 23.0% over the adopted Fiscal Year 2021-22 Budget, and the proposed Fiscal Year 2023-24 Budget of \$24.1 million represents an increase of 5.9% over the proposed Fiscal Year 2022-23 Budget. Labor costs represent the largest component of the increase to the operating budgets. New capital appropriations of \$13.4 million in Fiscal Year 2022-23 and \$26.9 million in Fiscal Year 2023-24 will provide resources necessary for the Pure Water Project Las Virgenes- Triunfo, as well as necessary facility maintenance to ensure continued delivery of high- quality service. The increases in capital expenditures defray some of the increases from labor and other general and administrative (G&A) costs that would have otherwise been allocated to the operating budget.

During Fiscal Years 2022-24, the JPA will continue efforts to maximize its use of recycled water, reduce discharges to Malibu Creek, achieve long-term compliance with environmental regulations and renew aging infrastructure. The proposed budget addresses these and other key JPA priorities to ensure the continued delivery of high- quality services to its customers. The following key issues and initiatives are among those addressed in the budget:

#### **Pure Water Project Las Virgenes-Triunfo**

On August 1, 2016, the JPA Board selected indirect potable reuse using Las Virgenes Reservoir as the preferred alternative to comply with future nutrient loading limitations for Malibu Creek, and to maximize the JPA's beneficial use of recycled water. Subsequently, the effort was renamed the Pure Water Project Las Virgenes-Triunfo. During Fiscal Year 2020-21, the JPA began operations of the Pure Water Demonstration Project. During that same period, the JPA engaged a firm to provide advisor/program management services to the JPA for the Pure Water Project Las Virgenes-Triunfo. During Fiscal Year 2021-2022, the District began developing the design criteria for the project, developed the environmental documentation for the program, and engaged in public outreach activities to help progress the project.

In the next two-year budget cycle, the District will continue to develop this project and move towards construction. The remainder of 2022 will include finalization of the environmental document including public meetings and outreach to agencies and local tribes; finalization of the design criteria for the project; and development of procurement documents to find a design builder for the Advanced Water Purification Facility (AWPF), and a pipeline designer for the transmission lines. It is anticipated that the design of the facility and pipelines will continue through the next budget cycle, with the goal to start construction in 2026. The District will continue to pursue funding and financing opportunities through this period to support the program.

### **Investments in the Future**

The Fiscal Year 2022-24 Budget Plan also includes investments in a number of important projects to ensure the reliability of the JPA's services to its customers in the future. The following are examples of those projects:

- Tapia Reliability Improvements
- 003 Discharge Point Rehabilitation
- SCADA system communication upgrades

In summary, the JPA is well-positioned for the challenges in the years ahead. The JPA will continue reducing discharges to Malibu Creek, while creating a locally-sourced treated, and used water source. The budget provides for the solution to move forward ensuring sufficient resources are dedicated to continue delivering high-quality, reliable services to the JPA's customers for many years to come.

### **ACKNOWLEDGEMENTS**

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

Very Truly Yours,



David W. Pedersen, P.E.

Administering Agent/General Manager



**BUDGET OVERVIEW**

The following pages present an overview of the Fiscal Year 2022-24 Joint Powers Authority Budget created within the terms of the Joint Powers Authority agreement. There are no changes between proposed and adopted budget for Fiscal Years 2022-23 and 2023-24.

**Source of Joint Powers Authority Funds**

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



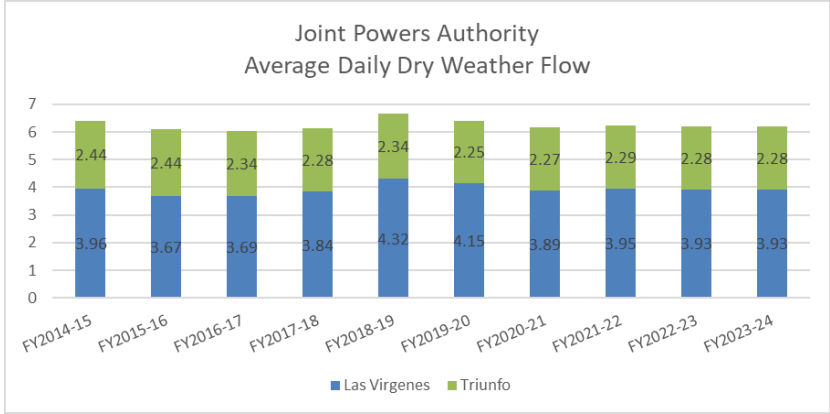
The operating expenses of the JPA are allocated to the participants in four ways, depending upon the type of expenses. The basis of allocation is:

- Participants’ reserve capacity rights in the trunk sewer (FY 2022-23 and FY 2023-24: LVMWD 39.4%; TWSD 60.6%),
- Participants’ reserve capacity rights in the treatment plant and recycled water system (FY 2022-23 and FY 2023-24: LVMWD 70.6%; TWSD 29.4%),
- Participants’ flow into the treatment plant (varies monthly – FY 2022-23 and FY 2023-24 are projected to be LVMWD 63.3%; TWSD 36.7%), or
- Equal shares by participants for audit and meter station expense.

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

	FY2020-21 ACTUAL	FY2021-22 BUDGET	FY2021-22 EST ACTUAL	FY2022-23 BUDGET	FY2023-24 BUDGET
<b>Operating Revenue</b>					
Recycled Water Revenue					
Las Virgenes Municipal Water District	1,991,716	1,954,050	1,589,924	2,037,475	2,051,967
Triunfo Water & Sanitation District	646,628	573,984	504,050	653,148	657,724
Total Recycled Water Revenue	2,638,344	2,528,034	2,093,974	2,690,623	2,709,691
Other	52,229	80,000	2,910,600	65,000	65,000
Total Operating Revenue	2,690,573	2,608,034	5,004,574	2,755,623	2,774,691
<b>Participant's Contribution</b>					
Las Virgenes Municipal Water District					
Operations	12,974,724	10,697,983	9,678,273	13,544,725	14,462,014
Capital Projects	4,966,976	8,740,169	4,033,063	9,431,290	19,036,598
Total Las Virgenes	17,941,700	19,438,152	13,711,336	22,976,015	33,498,612
Triunfo Water & Sanitation District					
Operations	6,138,880	5,150,881	4,579,188	6,409,283	6,822,204
Capital Projects	2,068,401	3,639,674	1,679,470	3,918,576	7,927,422
Total Triunfo	8,207,281	8,790,555	6,258,658	10,327,859	14,749,626
<b>Total Sources of Funds</b>	<b>28,839,554</b>	<b>30,836,741</b>	<b>24,974,568</b>	<b>36,059,497</b>	<b>51,022,929</b>

The following graph shows the participant’s sewage flows for ten years. The reduction in flows reflects low growth policies of cities within the watershed, diversion of some sewage to the City of Los Angeles, water allocations to customers within the respective sewer service areas of the Joint Powers Authority partners, and conservation efforts due to the on-going statewide drought for the last several years.



**Use of Joint Powers Authority Funds**

For operations and capital improvement projects, the use of funds in the proposed budget is \$36.1 million for FY 2022-23, and \$51.0 million for FY 2023-24, as shown below.



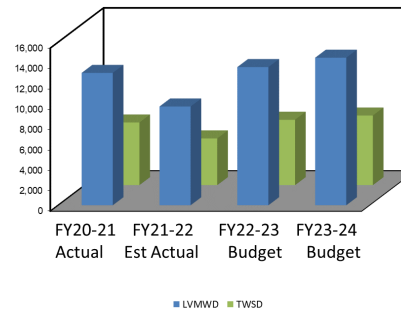
Fiscal Year 2022-23 budgeted operating expenses increased by 23.0% over the Fiscal Year 2021-22 Budget; and increased 17.9% when compared to Fiscal Year 2021-22 estimated actuals. JPA operating expenses have trended higher than budget in the prior two years. The increase to the Fiscal Year 2022-23 Budget bridges that gap and aligns expectations closer to actual expenses experienced. Increasing costs versus Fiscal Year 2021-22 estimated actuals are mainly a function of projected increased labor costs that flow to the JPA through internal service fund allocations. Fiscal Year 2023-24 budgeted operating expenses are projected to increase by 5.9% over the Fiscal Year 2022-23 Budget

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

	FY2020-21 ACTUAL	FY2021-22 BUDGET	FY2021-22 EST ACT	FY2022-23 BUDGET	FY2023-24 BUDGET
<b>Operating Expenses</b>					
Las Virgenes Municipal Water District	14,717,819	12,458,406	13,001,874	15,419,839	16,360,058
Triunfo Water & Sanitation District	7,086,358	5,998,492	6,260,161	7,289,792	7,698,851
<b>Total Operating Expenses</b>	<b>21,804,177</b>	<b>18,456,898</b>	<b>19,262,035</b>	<b>22,709,631</b>	<b>24,058,909</b>
<b>Capital Projects</b>					
Las Virgenes Municipal Water District	4,966,976	8,740,169	4,033,063	9,431,290	19,036,598
Triunfo Water & Sanitation District	2,068,401	3,639,674	1,679,470	3,918,576	7,927,422
<b>Total Capital Projects</b>	<b>7,035,377</b>	<b>12,379,843</b>	<b>5,712,533</b>	<b>13,349,866</b>	<b>26,964,020</b>
<b>Total Uses of Funds</b>	<b>28,839,554</b>	<b>30,836,741</b>	<b>24,974,568</b>	<b>36,059,497</b>	<b>51,022,929</b>

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

	FY20-21 Actual	FY21-22 Est Actual	FY22-23 Budget	FY23-24 Budget
<b>JPA Revenues</b>	2,691	5,005	2,756	2,775
<b>JPA Expenses</b>	21,804	19,262	22,710	24,059
<b>Net Operating Expense</b>	<b>19,113</b>	<b>14,257</b>	<b>19,954</b>	<b>21,284</b>
<b>LVMWD</b>	12,974	9,678	13,545	14,462
<b>TWSD</b>	6,139	4,579	6,409	6,822
<b>Total Allocated Expenses</b>	<b>19,113</b>	<b>14,257</b>	<b>19,954</b>	<b>21,284</b>



**Wholesale Recycled Water Rates**

Wholesale price of recycled water, that is, the price that the JPA charges to its two customers—Las Virgenes Municipal Water District and Triunfo Water & Sanitation District represents the operating costs of recycled water. The July 1, 2022 proposed wholesale rate for recycled water with pumping is \$570.32 per acre foot, an increase of \$113.69 or 24.9% over the FY 2021-22 per acre foot rate. The July 1, 2023 proposed wholesale rate for recycled water with pumping is \$574.31 per acre foot. For FY 2022-23 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$435.24 per acre foot is an increase of 23.28% per acre foot compared to the prior year.

For FY 2023-24 wholesale recycled water delivered to the Las Virgenes Valley, which does not require additional pumping, the proposed rate of \$439.23 per acre foot is an increase of 24.41% per acre foot over FY 2021-22.



### **Allocation of General and Administrative Costs**

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

### **Capital Improvement Projects**

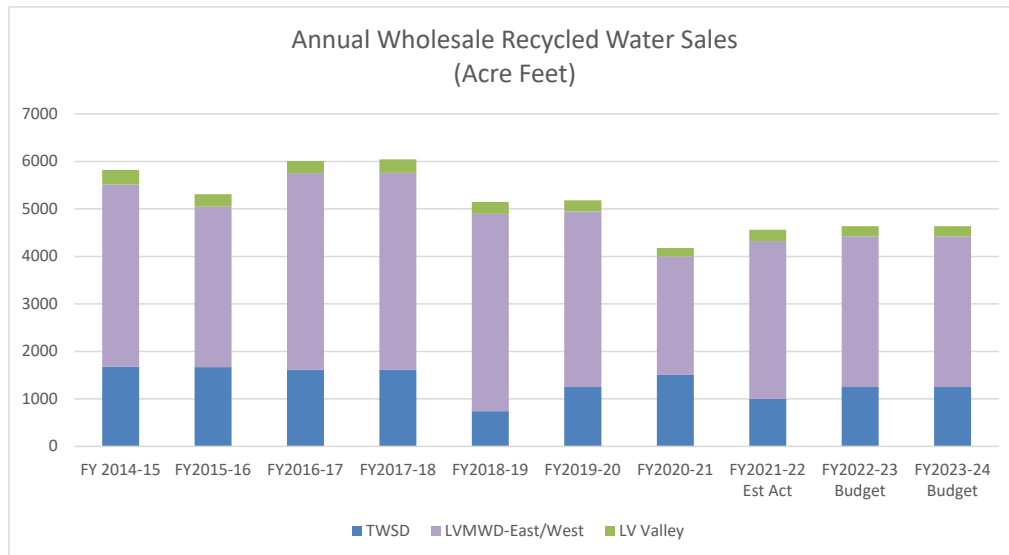
The Capital improvement projects are shown by enterprise (Recycled Water and Sanitation) and by project number. This corresponds to the classification of the funding by LVMWD and agrees with the JPA capital budget.

### **On-going Review of Budget and Ability to Adjust to Economic Conditions**

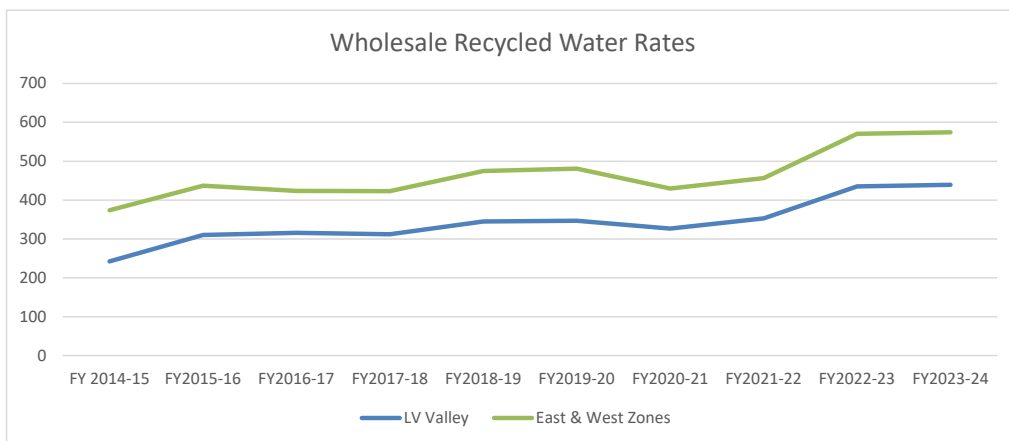
As part of the budget process, staff provides the Board with quarterly reports that reflect budget-to-actual results during the fiscal year. During Fiscal Year 2022-23, these quarterly reports will be critical to assess whether or not the JPA's revenues and expenditures are in-line with budgeted projections.

As staff continues to monitor the JPA's financial position, any proposed adjustments or budget reduction proposals will be presented to the Board with an analysis of the anticipated impacts to the organization and its customers, both in the near and long-terms. This approach will support the Board to adapt the JPA's response to the most current financial conditions, while minimizing the impact on the essential services provided to customers.





	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22 Est Act	FY 2022-23 Budget	FY 2023-24 Budget
TWSD	1677	1668	1616	1616	740	1250	1505	1000	1251	1251
LVMWD-East/West	3839	3378	4139	4145	4158	3698	2492	3323	3171	3171
LV Valley	303	263	255	280	248	232	179	239	216	216



	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
LV Valley	242.21	310.08	315.53	311.96	344.83	346.65	326.32	353.04	435.24	439.23
East & West Zones	373.72	436.96	423.41	423.13	474.80	480.53	429.91	456.63	570.32	574.31

RW WHOLESALE RATE COMPUTATIONS

FY 2022-23 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,219,592	604,592	615,000	
Reservoirs	102,318	102,318		
System Operations	34,970	34,970		
Distribution	283,019	283,019		
RW Operations	<u>1,639,899</u>			
RW Ops/JPA Ops	7.4%			
Total JPA Admin	1,200,016			
RW Administration	88,201	88,201		
subtotal:Operations & Admin	<u>1,728,100</u>	<u>1,113,100</u>		
Depreciation FY20-21	962,541	962,541	-	
<b>Total Cost</b>	<b>\$ 2,690,641</b>	<b>\$ 2,075,641</b>	<b>\$ 615,000</b>	
<b>Costs per Acre Foot</b>		<b>\$ 435.24</b>	<b>\$ 135.08</b>	<b>\$ 570.32</b>

FY 2022-23 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	216	\$ 435.24 /AF	\$ 94,011.84
LVMWD East	1,519	\$ 570.32 /AF	\$ 866,316.08
LVMWD West	1,889	\$ 570.32 /AF	\$ 1,077,147.08
<b>Total LVMWD</b>	<u>3,624</u>		<u>\$ 2,037,475.00</u>
TWSD	1,145	\$ 570.32 /AF	\$ 653,148.00
	<u>4,769</u>		<u>\$ 2,690,623.00</u>

FY 2023-24 Budgeted Costs	Total Cost	Base Cost	Add'l Pumping	East-West Cost
Pump Stations	1,222,799	607,799	615,000	
Reservoirs	105,147	105,147		
System Operations	37,376	37,376		
Distribution	295,005	295,005		
RW Operations	<u>1,660,327</u>			
RW Ops/JPA Ops	7.0%			
Total JPA Admin	1,234,819			
RW Administration	86,808	86,808		
subtotal:Operations & Admin	<u>1,747,135</u>	<u>1,132,135</u>		
Depreciation FY20-21	962,541	962,541	-	
<b>Total Cost</b>	<b>\$ 2,709,676</b>	<b>\$ 2,094,676</b>	<b>\$ 615,000</b>	
<b>Costs per Acre Foot</b>		<b>\$ 439.23</b>	<b>\$ 135.08</b>	<b>\$ 574.31</b>

FY 2023-24 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	216	\$ 439.23 /AF	\$ 94,873.68
LVMWD East	1,519	\$ 574.31 /AF	\$ 872,376.89
LVMWD West	1,889	\$ 574.31 /AF	\$ 1,084,716.59
<b>Total LVMWD</b>	<u>3,624</u>		<u>\$ 2,051,967.16</u>
TWSD	1,145	\$ 574.31 /AF	\$ 657,724.00
	<u>4,769</u>		<u>\$ 2,709,691.16</u>



**FISCAL YEAR 2022-23 OPERATING BUDGET**  
**ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS**

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	636,862	0	0	0	0	636,862
TREATMENT RECLAMATION	0	7,856,072	2,370,762	0	0	10,226,834
TREATMENT COMPOSTING	0	5,505,093	2,066,839	0	0	7,571,932
TREATMENT INJECTION	0	117,200	265,300	0	0	382,500
PUMP STATIONS	0	1,219,592	0	0	0	1,219,592
TANKS/RESERVOIR WELLS	0	102,318	0	0	0	102,318
SYSTEM OPERATION	0	34,970	0	0	0	34,970
WATER SYSTEM	0	283,019	0	0	0	283,019
ADMINISTRATIVE EXPENSES	0	1,196,166	0	3,850	0	1,200,016
PWP DEMO	0	1,051,588	0	0	0	1,051,588
REVENUES	0	(2,755,623)	0	0	0	(2,755,623)
<b>TOTAL EXPENSES</b>	<b>636,862</b>	<b>14,610,395</b>	<b>4,702,901</b>	<b>3,850</b>	<b>0</b>	<b>19,954,008</b>

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	231,181	53.1%	8,269,229	42.5%	1,998,733	25.0%	963	82.2%	0	52.6%	10,500,106
U-2 SANITATION DISTRICT	3.1%	19,743	17.5%	2,725,264	20.9%	982,906	25.0%	963	0.0%	0	18.7%	3,728,876
RECYCLED WATER FUND				(679,554)							-3.4%	(679,554)
<b>TOTAL LVMWD</b>	<b>39.4%</b>	<b>250,924</b>	<b>70.6%</b>	<b>10,314,939</b>	<b>63.4%</b>	<b>2,981,639</b>	<b>50.0%</b>	<b>1,926</b>	<b>82.2%</b>	<b>0</b>	<b>67.9%</b>	<b>13,549,428</b>
TRIUNFO WSD	60.6%	385,938	29.4%	4,295,456	36.7%	1,721,262	50.0%	1,924	17.8%	0	32.1%	6,404,580
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>636,862</b>	<b>100.0%</b>	<b>14,610,395</b>	<b>100.1%</b>	<b>4,702,901</b>	<b>100.0%</b>	<b>3,850</b>	<b>100.0%</b>	<b>0</b>	<b>100.0%</b>	<b>19,954,008</b>

**GROUP**

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

**JOINT POWERS AUTHORITY**  
**PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION**  
**FY 2022-23**

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	962	42.5%	9,988,997	10,384	50.1%
U-2 SANITATION DISTRICT	1.30	473	20.9%	3,560,431	7,527	17.8%
<b>LVMWD</b>	<b>3.93</b>	<b>1,435</b>	<b>63.4%</b>	<b>13,549,428</b>	<b>9,442</b>	<b>67.9%</b>
TWSD	2.28	831	36.7%	6,404,580	7,707	32.1%
<b>TOTAL ALL PARTICIPANTS</b>	<b>6.21</b>	<b>2,266</b>	<b>100.1%</b>	<b>19,954,008</b>	<b>8,806</b>	<b>100.0%</b>
RETURN FLOWS	1.09	399				
WESTLAKE WELLS	0.25	91				
	<b>7.55</b>	<b>2,756</b>				

**FISCAL YEAR 2023-24 OPERATING BUDGET**  
**ALLOCATION OF JOINT POWERS EXPENSES TO PARTICIPANTS**

EXPENSES (REVENUES)	JPA EXPENSES BY ALLOCATION GROUPS					
	A	B	C	D	E	TOTAL
SEWER EXPENSE	679,661	0	0	0	0	679,661
TREATMENT RECLAMATION	0	8,435,205	2,468,943	0	0	10,904,148
TREATMENT COMPOSTING	0	5,919,577	2,193,769	0	0	8,113,346
TREATMENT INJECTION	0	242,318	156,440	0	0	398,758
PUMP STATIONS	0	1,222,799	0	0	0	1,222,799
TANKS/RESERVOIR WELLS	0	105,147	0	0	0	105,147
SYSTEM OPERATION	0	37,376	0	0	0	37,376
WATER SYSTEM	0	295,005	0	0	0	295,005
ADMINISTRATIVE EXPENSES	0	1,230,969	0	3,850	0	1,234,819
PWP DEMO	0	1,067,850	0	0	0	1,067,850
REVENUES	0	(2,774,691)	0	0	0	(2,774,691)
<b>TOTAL EXPENSES</b>	<b>679,661</b>	<b>15,781,555</b>	<b>4,819,152</b>	<b>3,850</b>	<b>0</b>	<b>21,284,218</b>

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	246,717	53.1%	8,891,115	42.5%	2,048,140	25.0%	963	82.2%	0	52.6%	11,186,935
U-2 SANITATION DISTRICT	3.1%	21,069	17.5%	2,930,217	20.9%	1,007,203	25.0%	963	0.0%	0	18.6%	3,959,452
RECYCLED WATER FUND				(679,554)							-3.2%	(679,554)
<b>TOTAL LVMWD</b>	<b>39.4%</b>	<b>267,786</b>	<b>70.6%</b>	<b>11,141,778</b>	<b>63.4%</b>	<b>3,055,343</b>	<b>50.0%</b>	<b>1,926</b>	<b>82.2%</b>	<b>0</b>	<b>68.0%</b>	<b>14,466,833</b>
TRIUNFO WSD	60.6%	411,875	29.4%	4,639,777	36.7%	1,763,809	50.0%	1,924	17.8%	0	32.0%	6,817,385
<b>TOTAL ALLOCATION</b>	<b>100.0%</b>	<b>679,661</b>	<b>100.0%</b>	<b>15,781,555</b>	<b>100.1%</b>	<b>4,819,152</b>	<b>100.0%</b>	<b>3,850</b>	<b>100.0%</b>	<b>0</b>	<b>100.0%</b>	<b>21,284,218</b>

**GROUP**

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

**JOINT POWERS AUTHORITY**  
**PARTICIPANT SEWAGE FLOWS and EXPENSE ALLOCATION**  
**FY 2023-24**

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	2.63	960	42.3%	10,675,826	11,121	50.2%
U-2 SANITATION DISTRICT	1.30	475	20.9%	3,791,007	7,981	17.8%
<b>LVMWD</b>	<b>3.93</b>	<b>1,435</b>	<b>63.2%</b>	<b>14,466,833</b>	<b>10,081</b>	<b>68.0%</b>
<b>TWSD</b>	<b>2.28</b>	<b>833</b>	<b>36.7%</b>	<b>6,817,385</b>	<b>8,184</b>	<b>32.0%</b>
<b>TOTAL ALL PARTICIPANTS</b>	<b>6.21</b>	<b>2,268</b>	<b>99.9%</b>	<b>21,284,218</b>	<b>9,385</b>	<b>100.0%</b>
RETURN FLOWS	1.11	406				
WESTLAKE WELLS	0.25	91				
	<b>7.58</b>	<b>2,765</b>				

<b>Las Virgenes - Triunfo Joint Powers Authority Operations Summary</b>	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATING REVENUES</b>					
4235 RW Sales - LVMWD	\$1,991,716	\$1,954,050	\$1,589,924	\$2,037,475	\$2,051,967
4240 RW Sales - TWSD	646,628	573,984	504,050	653,148	657,724
4505 Other Income from Operations	48,182	65,000	2,907,452	50,000	50,000
4510 Compost Sales	4,047	15,000	3,148	15,000	15,000
<b>TOTAL OPERATING REVENUES</b>	<b>\$2,690,573</b>	<b>\$2,608,034</b>	<b>\$5,004,574</b>	<b>\$2,755,623</b>	<b>\$2,774,691</b>
<b>OPERATIONS DIVISION EXPENSE</b>					
5400 Labor	2,759,423	2,573,827	2,405,118	3,042,804	3,164,516
5405.1 Electricity	2,229,995	1,930,300	2,180,138	2,108,100	2,157,900
5405.2 Telephone	51,666	32,000	66,103	50,100	51,624
5405.3 Natural Gas	21,356	21,400	27,331	20,100	21,000
5405.4 Water	16,580	12,300	26,771	32,750	34,100
5410 Supplies/Material	95,372	80,950	137,955	144,900	149,600
5410.1 Fuel	25,169	25,000	22,732	41,700	42,500
5410.5 Ferric Chloride	59,307	60,000	34,267	63,000	66,000
5410.6 Defoamer/Deodorant	4,222	4,120	5,000	7,500	7,800
5410.7 Polymer	100,891	147,000	159,266	200,000	220,000
5410.8 Amendment	279,407	135,000	172,700	166,400	174,400
5410.9 Alum	20,284	12,000	11,539	12,600	13,200
5410.10 Sodium Hypochlorite	359,026	230,000	297,763	275,000	280,000
5410.11 Sodium Bisulfite	138,143	115,936	126,932	121,800	127,600
5410.13 Aqua Ammonia	24,521	31,699	27,806	33,300	34,869
5415 Outside Services	375,751	251,850	256,592	373,700	380,700
5417 Odor Control	177,037	185,000	209,055	260,000	290,000
5420 Permits and Fee	220,795	220,100	379,852	238,100	245,200
5425 Consulting Services	0	90,000	5,906	42,000	44,000
5430 Capital Outlay	101,754	140,000	140,000	170,000	175,000
Sub-total	<u>\$7,060,698</u>	<u>\$6,298,482</u>	<u>\$6,692,825</u>	<u>\$7,403,854</u>	<u>\$7,680,009</u>
<b>MAINTENANCE DIVISION EXPENSE</b>					
5500 Labor	998,109	1,291,732	533,035	750,000	785,000
5510 Supplies/Material	435,574	304,000	515,312	516,100	538,800
5515 Outside Services	802,220	537,450	422,695	561,300	580,300
5518 Building Maintenance	172,221	368,645	140,575	327,400	319,500
5520 Permits and Fee	1,619	500	653	2,000	2,000
5530 Capital Outlay	0	70,000	70,000	73,500	75,000
Sub-total	<u>\$2,409,742</u>	<u>\$2,572,327</u>	<u>\$1,682,270</u>	<u>\$2,230,300</u>	<u>\$2,300,600</u>
<b>PUBLIC INFORMATION</b>					
6602 School Education Program	0	20,000	15,000	15,000	15,000
6604 Public Education Program	35,112	20,842	1,465	21,000	21,000
6606 Community Group Outreach	0	8,000	5,000	5,000	5,000
6608 Intergovernmental Coordination	0	5,000	2,500	2,500	2,500
Sub-total	<u>\$35,112</u>	<u>\$53,842</u>	<u>\$23,965</u>	<u>\$43,500</u>	<u>\$43,500</u>



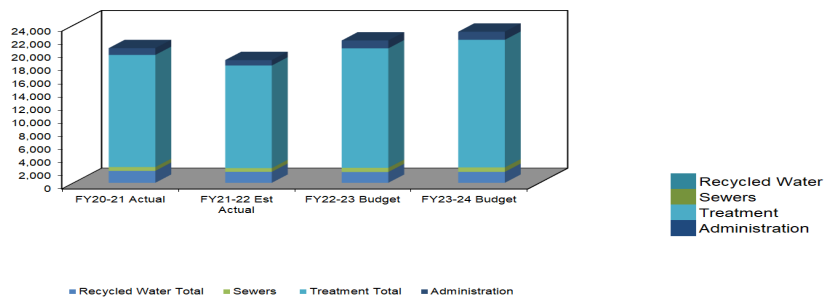
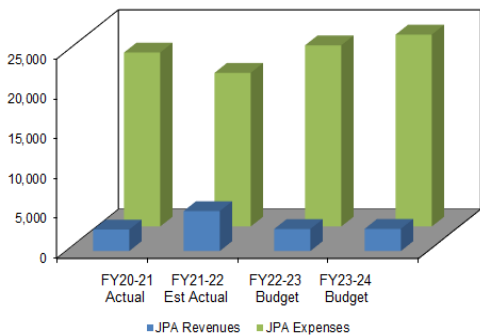
<b>Las Virgenes - Triunfo Joint Powers Authority Operations Summary</b>					
	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>RESOURCE CONSERVATION</b>					
6788 District Sprayfield	349,597	275,000	389,970	288,800	302,500
6789 005 Discharge	207	400	6,883	500	500
Sub-total	\$349,804	\$275,400	\$396,853	\$289,300	\$303,000
<b>SPECIALTY EXPENSES</b>					
5700 SCADA Services	114,878	62,786	119,736	94,100	98,500
5710.2 Technical Services	0	16,164	4,500	4,600	4,750
5712 Compost Sales/Use Tax	8,456	4,000	2,139	4,000	4,000
5715.2 Other Lab Services	255,894	334,000	239,248	342,900	350,300
7202 Allocated Lab Expense	588,174	531,736	654,818	726,109	785,772
Sub-total	\$967,402	\$948,686	\$1,020,440	\$1,171,709	\$1,243,322
<b>ADMINISTRATIVE EXPENSES</b>					
6872 Litigation/Outside Services	6,248	0	15,269	15,880	16,515
6516 Other Professional Services	244,407	156,600	129,619	162,864	169,379
6517 Audit Fees	0	6,000	6,000	3,850	3,850
7135.1 Property Insurance	127,923	0	121,076	189,645	208,609
7135.4 Earthquake Insurance	123,161	0	107,667	141,019	141,879
7153 TWSD Staff Services	0	6,000	5,000	5,000	5,000
6260 Rental Charge - Facility Repl	358,409	383,316	300,894	331,780	331,145
7203 Allocated Building Maint	137,766	96,642	81,411	102,294	105,024
Allocated Services (G&A)	9,983,505	7,659,603	8,678,747	10,618,636	11,507,074
Sub-total	\$10,981,419	\$8,308,161	\$9,445,683	\$11,570,970	\$12,488,478
<b>TOTAL EXPENSES</b>	<b>\$21,804,177</b>	<b>\$18,456,898</b>	<b>\$19,262,035</b>	<b>\$22,709,633</b>	<b>\$24,058,909</b>
<b>NET OPERATING EXPENSE</b>	<b>\$19,113,604</b>	<b>\$15,848,864</b>	<b>\$14,257,461</b>	<b>\$19,954,010</b>	<b>\$21,284,218</b>

Operations Summary  
(Dollars in Thousands)

	FY20-21 Actual	FY21-22 Est Actual	FY22-23 Budget	FY23-24 Budget
JPA Revenues	2,691	5,005	2,756	2,775
JPA Expenses	21,804	19,262	22,710	24,059
<b>Net Operating Expense</b>	<b>19,113</b>	<b>14,257</b>	<b>19,954</b>	<b>21,284</b>

Operating Expense Summary  
(Dollars in Thousands)

	FY20-21 Actual	FY21-22 Est Actual	FY22-23 Budget	FY23-24 Budget
<b>Pump Stations</b>	1,143	1,344	1,220	1,223
Tank, Res, Wells	96	143	102	105
System Ops	68	43	35	37
Distribution	510	136	283	295
<b>Recycled Water Total</b>	<b>1,817</b>	<b>1,666</b>	<b>1,640</b>	<b>1,660</b>
<b>PWP - Demonstration Proj.</b>	<b>1,316</b>	<b>590</b>	<b>1,052</b>	<b>1,068</b>
<b>Sewers</b>	<b>580</b>	<b>566</b>	<b>637</b>	<b>680</b>
<b>Reclamation</b>	<b>10,160</b>	<b>9,012</b>	<b>10,225</b>	<b>10,902</b>
Composting	6,599	6,248	7,572	8,113
Centrate Treatment	298	353	383	399
<b>Treatment Total</b>	<b>17,057</b>	<b>15,613</b>	<b>18,180</b>	<b>19,414</b>
<b>Administration</b>	<b>1,034</b>	<b>827</b>	<b>1,200</b>	<b>1,235</b>
<b>Total JPA Operations</b>	<b>21,804</b>	<b>19,262</b>	<b>22,710</b>	<b>24,059</b>



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

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
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**OPERATING REVENUES**

4235 RW Sales - LVMWD	\$1,503,857	\$1,799,462	\$1,991,716	\$1,954,050	\$1,589,924	\$2,037,475	\$2,051,967
4240 RW Sales - TWSD	564,870	597,313	646,628	573,984	504,050	653,148	657,724
4505 Other Income from Operations	45,736	47,367	48,182	65,000	2,907,452	50,000	50,000
4510 Compost Sales	811	0	4,047	15,000	3,148	15,000	15,000
<b>TOTAL OPERATING REVENUES</b>	<b>\$2,115,274</b>	<b>\$2,444,142</b>	<b>\$2,690,573</b>	<b>\$2,608,034</b>	<b>\$5,004,574</b>	<b>\$2,755,623</b>	<b>\$2,774,691</b>

**LINE ITEM EXPLANATIONS**

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

Annual sales to each JPA partner is projected using the prior 3 years' average purchases by each JPA partner and adjusted as necessary for weather and outage conditions. For FY 2022-23 and FY 2023-24 sales are projected to be 4,769 AF.

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

4505 Other Income from Operations – Primarily rental of tank sites to cellular telephone providers. In FY 2021-22 the JPA also received a one-time "indifference payment" from Southern California Edison in the amount of \$2.8 million. The indifference payment compensates the JPA for the effects of "peak hours shift" costs that were approved by the California Public Utilities Commission.

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

<b>Las Virgenes - Triunfo Joint Powers Authority RW Pump Stations - 7511xx</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$26,909	\$20,490	\$12,370	\$28,287	\$21,629	\$30,000	\$31,200
5405.1 Electricity	848,108	954,691	1,059,069	915,000	1,193,545	1,000,000	1,000,000
5405.4 Water	265	352	385	0	306	500	500
5410 Supplies/Material	7,031	16,122	13,001	14,000	14,536	15,200	16,000
5415 Outside Services	600	15,315	0	8,000	0	8,000	8,000
Sub-total	\$882,913	\$1,006,972	\$1,084,824	\$965,287	\$1,230,015	\$1,053,700	\$1,055,700
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	66,279	2,034	784	55,271	453	58,234	60,563
5510 Supplies/Material	15,822	2,294	23,388	7,000	1,344	7,000	7,400
5515 Outside Services	20,718	6,607	480	34,250	52,363	55,000	57,400
Sub-total	\$102,819	\$10,935	\$24,652	\$96,521	\$54,160	\$120,234	\$125,363
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	87,263	30,139	21,656	118,108	36,707	28,461	30,467
7226 Allocated Operations Services	39,584	13,950	11,831	68,079	23,514	17,197	11,269
Sub-total	\$126,847	\$44,089	\$33,487	\$186,187	\$60,221	\$45,658	\$41,736
<b>TOTAL EXPENSES</b>	<b>\$1,112,579</b>	<b>\$1,061,996</b>	<b>\$1,142,963</b>	<b>\$1,247,995</b>	<b>\$1,344,396</b>	<b>\$1,219,592</b>	<b>\$1,222,799</b>

**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.

**MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS**

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

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

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



**Las Virgenes - Triunfo  
Joint Powers Authority  
RW Tanks, Reservoirs and Wells - 7512xx**

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	8,202	3,534	2,682	7,183	3,512	3,804	3,956
5405.1 Electricity	15,426	11,847	19,399	16,000	3,257	16,000	16,000
5405.4 Water	265	352	385	300	306	350	350
5410 Supplies/Material	523	1,048	8,144	2,500	18,079	18,900	19,800
5415 Outside Services	28,681	57,225	56,488	25,100	91,784	35,000	35,000
Sub-total	\$53,097	\$74,006	\$87,099	\$51,083	\$116,937	\$74,054	\$75,106
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	1,057	0	0	6,000	0	4,677	4,864
5510 Supplies/Material	59	0	1,806	0	2,586	2,700	2,900
5515 Outside Services	4,617	1,050	1,050	1,200	5,189	4,000	4,000
Sub-total	\$5,733	\$1,050	\$2,856	\$7,200	\$7,774	\$11,377	\$11,764
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	11,302	4,769	3,771	9,509	11,435	10,526	11,269
7226 Allocated Operations Services	3,771	2,206	1,981	5,481	7,344	6,361	7,008
Sub-total	\$15,073	\$6,975	\$5,752	\$14,990	\$18,779	\$16,887	\$18,277
<b>TOTAL EXPENSES</b>	<b>\$73,903</b>	<b>\$82,031</b>	<b>\$95,707</b>	<b>\$73,273</b>	<b>\$143,490</b>	<b>\$102,318</b>	<b>\$105,147</b>

**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.

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.

**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 System Operations - 751300**

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$6,550	\$5,522	\$16,028	\$7,000	\$3,009	\$6,500	\$6,760
5420 Permits and Fee	88	88	88	100	132	100	100
Sub-total	\$6,638	\$5,610	\$16,116	\$7,100	\$3,141	\$6,600	\$6,860
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	0	0	563	803	491	600	624
5510 Supplies/Material	0	0	0	8,000	0	0	0
Sub-total	\$0	\$0	\$563	\$8,803	\$491	\$600	\$624
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	0	0	0	1,000	27,128	2,000	2,000
5710.2 Technical Services	0	0	0	803	0	0	0
Sub-total	\$0	\$0	\$0	\$1,803	\$27,128	\$2,000	\$2,000
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	5,563	7,464	32,152	1,340	7,236	16,063	17,196
7226 Allocated Operations Services	2,523	3,456	18,776	772	4,629	9,707	10,696
Sub-total	\$8,086	\$10,920	\$50,928	\$2,112	\$11,865	\$25,770	\$27,892
<b>TOTAL EXPENSES</b>	<b>\$14,724</b>	<b>\$16,530</b>	<b>\$67,607</b>	<b>\$19,818</b>	<b>\$42,625</b>	<b>\$34,970</b>	<b>\$37,376</b>

**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 Distribution System - 751700**

	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$1,433	\$35,469	\$35,771	\$2,327	\$3,110	\$6,000	\$6,240
5410 Supplies/Material	0	21	0	500	3,056	3,200	3,300
5415 Outside Services	0	0	0	10,000	0	50,000	50,000
Sub-total	\$1,433	\$35,490	\$35,771	\$12,827	\$6,166	\$59,200	\$59,540
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	6,793	8,139	28,386	8,250	6,244	15,000	15,600
5510 Supplies/Material	2,070	3,482	8,447	8,000	3,853	10,000	8,000
5515 Outside Services	4,688	44,732	275,781	65,000	85,767	89,400	93,600
5520 Permits and Fee	0	0	1,619	500	653	2,000	2,000
Sub-total	\$13,551	\$56,352	\$314,234	\$81,750	\$96,516	\$116,400	\$119,200
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	8,431	58,862	101,673	15,268	21,135	66,959	71,680
7226 Allocated Operations Services	3,825	27,245	58,505	8,801	12,318	40,460	44,585
Sub-total	\$12,256	\$86,107	\$160,178	\$24,069	\$33,453	\$107,419	\$116,265
<b>TOTAL EXPENSES</b>	<b>\$27,240</b>	<b>\$177,949</b>	<b>\$510,183</b>	<b>\$118,646</b>	<b>\$136,135</b>	<b>\$283,019</b>	<b>\$295,005</b>

**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.

<b>Las Virgenes - Triunfo Joint Powers Authority Pure Water Demonstration Project- 751750</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$0	\$0	\$151,218	\$134,000	\$75,915	\$125,000	\$130,000
5405.1 Electricity	0	936	16,851	39,000	21,317	45,000	45,000
5405.2 Telephone	0	257	1,201	0	592	600	600
5405.4 Water	0	5,476	58,990	0	4,255	4,500	4,500
5410 Supplies/Material	0	10,185	48,882	0	51,893	45,000	45,000
5415 Outside Services	0	13,140	263,742	55,100	70,442	70,000	70,000
5430 Capital Outlay	0	1,871	0	50,000	0	10,000	10,000
Sub-total	\$0	\$31,867	\$540,884	\$278,100	\$224,415	\$300,100	\$305,100
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	0	2,024	15,316	75,000	1,487	28,188	29,316
5510 Supplies/Material	0	10,966	8,946	10,000	299	7,500	7,500
5515 Outside Services	0	32,597	136,540	120,000	19,649	100,000	100,000
5518 Building Maintenance	0	1,964	7,115	70,000	13,053	70,000	50,000
5530 Capital Outlay	0	772	3,033	0	0		
Sub-total	\$0	\$48,323	\$170,951	\$275,000	\$34,488	\$205,688	\$186,816
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	0	0	3,578	0	0	0	0
5715.2 Other Lab Services	0	0	84,567	180,000	86,784	180,000	180,000
Sub-total	\$0	\$0	\$88,145	\$180,000	\$86,784	\$180,000	\$180,000
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	0	2,725	321,185	479,270	147,413	228,018	244,101
7226 Allocated Operations Services	0	1,262	194,382	111,206	96,599	137,782	151,833
Sub-total	\$0	\$3,987	\$515,567	\$590,476	\$244,011	\$365,800	\$395,934
<b>TOTAL EXPENSES</b>	<b>\$0</b>	<b>\$84,177</b>	<b>\$1,315,547</b>	<b>\$1,323,576</b>	<b>\$589,698</b>	<b>\$1,051,588</b>	<b>\$1,067,850</b>

**OPERATING EXPENSE LINE ITEM EXPLANATIONS**

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

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

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

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

**MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS**

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

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

<b>Las Virgenes - Triunfo Joint Powers Authority Sewers - 751800</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	\$2,787	\$1,590	\$25,241	\$4,029	\$45,526	\$45,000	\$46,800
5405.1 Electricity	254	307	2,174	300	174	200	200
5420 Permits and Fee	472	472	472	8,000	708	500	500
Sub-total	<u>\$3,513</u>	<u>\$2,370</u>	<u>\$27,887</u>	<u>\$12,329</u>	<u>\$46,409</u>	<u>\$45,700</u>	<u>\$47,500</u>
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	55,165	15,982	84,622	47,438	85,836	65,000	67,600
5510 Supplies/Material	238	29	41,526	2,000	316	10,000	10,000
5515 Outside Services	80,804	26,820	68,603	30,000	63,238	50,000	50,000
Sub-total	<u>\$136,207</u>	<u>\$42,831</u>	<u>\$194,751</u>	<u>\$79,438</u>	<u>\$149,390</u>	<u>\$125,000</u>	<u>\$127,600</u>
<b>SPECIALTY EXPENSES</b>							
5710.2 Technical Services	1,313	0	0	2,237	0	0	0
Sub-total	<u>\$1,313</u>	<u>\$0</u>	<u>\$0</u>	<u>\$2,237</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	61,043	23,670	218,975	76,729	223,116	290,576	311,071
7226 Allocated Operations Services	27,690	10,955	138,520	44,228	146,847	175,586	193,490
Sub-total	<u>\$88,733</u>	<u>\$34,625</u>	<u>\$357,495</u>	<u>\$120,956</u>	<u>\$369,963</u>	<u>\$466,162</u>	<u>\$504,561</u>
<b>TOTAL EXPENSES</b>	<b><u>\$229,766</u></b>	<b><u>\$79,826</u></b>	<b><u>\$580,133</u></b>	<b><u>\$214,960</u></b>	<b><u>\$565,762</u></b>	<b><u>\$636,862</u></b>	<b><u>\$679,661</u></b>

**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.



<b>Las Virgenes - Triunfo Joint Powers Authority Treatment/Reclamation - 751810</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	1,399,815	1,488,147	1,474,239	1,500,000	\$1,336,782	\$1,541,721	\$1,603,390
5405.1 Electricity	648,935	734,050	682,649	525,000	483,235	551,300	577,500
5405.2 Telephone	17,199	35,059	30,162	20,000	38,665	21,000	22,000
5405.3 Natural Gas	11,395	12,562	15,967	10,000	18,746	10,500	11,000
5405.4 Water	5,837	5,934	6,087	5,500	1,442	5,800	6,050
5410 Supplies/Material	43,442	41,624	42,391	35,000	26,337	36,800	38,500
5410.1 Fuel	10,558	10,103	17,101	17,000	10,553	25,000	25,000
5410.5 Ferric Chloride	35,505	61,227	59,307	60,000	34,267	63,000	66,000
5410.6 Defoamer/Deodorant	3,981	2,090	4,222	4,120	5,000	7,500	7,800
5410.9 Alum	11,127	19,543	20,284	12,000	11,539	12,600	13,200
5410.10 Sodium Hypochlorite	297,177	355,165	359,026	230,000	297,763	275,000	280,000
5410.11 Sodium Bisulfite	91,143	108,663	138,143	115,936	126,932	121,800	127,600
5410.13 Aqua Ammonia	30,616	27,685	24,521	31,699	27,806	33,300	34,869
5415 Outside Services	48,133	51,608	54,121	120,650	61,366	126,700	132,700
5417 Odor Control	38,596	41,624	29,259	40,000	64,055	50,000	50,000
5420 Permits and Fee	91,082	102,819	110,691	102,001	200,396	112,200	117,200
5425 Consulting Services	46,286	37,603	0	90,000	5,906	42,000	44,000
5430 Capital Outlay	98,630	81,970	101,754	50,000	100,000	120,000	125,000
Sub-total	\$2,929,457	\$3,217,476	\$3,169,924	\$2,968,906	\$2,850,790	\$3,156,221	\$3,281,809
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	488,598	646,852	384,116	542,000	170,161	134,062	139,424
5510 Supplies/Material	180,230	234,945	212,827	140,000	239,796	180,000	189,000
5515 Outside Services	94,820	163,264	105,236	135,000	88,666	141,800	148,500
5518 Building Maintenance	87,276	113,830	100,120	201,630	88,311	211,800	221,800
5530 Capital Outlay	26,094	0	0	70,000	70,000	73,500	75,000
Sub-total	\$877,018	\$1,158,891	\$802,299	\$1,088,630	\$656,934	\$741,162	\$773,724
<b>EFFLUENT DISPOSAL</b>							
6788 District Sprayfield	314,316	269,119	349,597	275,000	416,924	288,800	302,500
6789 005 Discharge	10,917	13,019	207	400	6,883	500	500
Sub-total	\$325,233	\$282,138	\$349,804	\$275,400	\$423,807	\$289,300	\$303,000
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	44,094	52,909	89,567	61,786	67,456	64,900	68,000
5710.2 Technical Services	0	4,572	0	4,325	4,500	4,600	4,750
5715.2 Other Lab Services	149,325	144,302	157,235	143,000	138,923	150,200	157,000
7202 Allocated Lab Expense	402,279	510,683	535,501	475,000	596,177	661,084	715,404
Sub-total	\$595,698	\$712,465	\$782,303	\$684,111	\$807,056	\$880,784	\$945,154
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	2,045,414	2,909,344	3,282,592	2,454,968	2,596,056	3,334,546	3,569,761
7226 Allocated Operations Services	889,119	1,346,686	1,889,617	950,968	1,704,467	2,024,821	2,230,673
Sub-total	\$2,934,533	\$4,256,030	\$5,172,209	\$3,405,936	\$4,300,523	\$5,359,367	\$5,800,434
<b>TOTAL EXPENSES</b>	<b>\$7,661,939</b>	<b>\$9,627,001</b>	<b>\$10,276,539</b>	<b>\$8,422,983</b>	<b>\$9,039,109</b>	<b>\$10,426,834</b>	<b>\$11,104,121</b>

<b>Las Virgenes - Triunfo Joint Powers Authority Treatment/Composting - 751820</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5400 Labor	876,658	932,103	1,041,874	891,001	\$915,634	\$1,284,779	\$1,336,170
5405.1 Electricity	317,993	254,983	375,537	365,000	429,482	448,700	470,000
5405.2 Telephone	14,520	20,525	21,504	12,000	26,947	28,500	29,000
5405.3 Natural Gas	4,317	4,218	5,389	11,400	8,586	9,600	10,000
5405.4 Water	3,909	5,433	7,598	4,800	17,791	18,600	19,500
5410 Supplies/Material	29,724	22,712	31,041	28,450	24,055	25,300	26,500
5410.1 Fuel	4,338	2,323	5,812	5,000	8,901	12,100	12,700
5410.7 Polymer	149,870	102,998	100,891	147,000	159,266	200,000	220,000
5410.8 Amendment	48,336	28,026	279,407	135,000	172,700	166,400	174,400
5415 Outside Services	258,280	293,205	1,400	33,000	33,000	34,000	35,000
5417 Odor Control	37,014	0	147,778	145,000	145,000	210,000	240,000
5420 Permits and Fee	15,047	14,716	15,066	20,000	10,844	10,900	11,900
5430 Capital Outlay	0	0	0	40,000	40,000	40,000	40,000
Sub-total	\$1,760,006	\$1,681,242	\$2,033,298	\$1,837,651	\$1,992,207	\$2,488,879	\$2,625,170
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	594,660	445,009	468,453	533,000	264,114	754,552	784,734
5510 Supplies/Material	230,902	145,682	128,199	114,000	239,372	273,900	287,000
5515 Outside Services	133,943	118,435	208,559	135,000	96,947	109,400	114,600
5518 Building Maintenance	43,539	88,809	64,985	97,015	39,211	45,600	47,700
Sub-total	\$1,003,044	\$797,935	\$870,196	\$879,015	\$639,643	\$1,183,452	\$1,234,034
<b>SPECIALTY EXPENSES</b>							
5700 SCADA Services	11,911	19,439	25,311	0	25,152	27,200	28,500
5710.2 Technical Services	0	9,607	0	8,799	0	0	0
5712 Compost Sales/Use Tax	2,989	0	8,456	4,000	2,139	4,000	4,000
5715.2 Other Lab Services	8,093	5,384	8,489	8,000	7,236	7,000	7,400
7202 Allocated Lab Expense	13,189	16,744	17,557	18,912	19,547	21,675	23,456
Sub-total	\$36,182	\$51,173	\$59,814	\$39,711	\$54,074	\$59,875	\$63,356
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	1,648,049	1,998,561	2,315,356	1,941,968	2,159,502	2,713,526	2,904,925
7226 Allocated Operations Services	746,318	925,087	1,320,421	971,968	1,402,313	1,640,013	1,807,226
Sub-total	\$2,394,367	\$2,923,648	\$3,635,777	\$2,913,936	\$3,561,815	\$4,353,539	\$4,712,151
<b>TOTAL EXPENSES</b>	<b>\$5,193,599</b>	<b>\$5,453,998</b>	<b>\$6,599,085</b>	<b>\$5,670,313</b>	<b>\$6,247,738</b>	<b>\$8,085,745</b>	<b>\$8,634,711</b>

<b>Las Virgenes - Triunfo Joint Powers Authority Treatment/Centrate Treatment - 751830</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>OPERATIONS DIVISION EXPENSE</b>							
5405.1 Electricity	64,838	70,582	74,316	70,000	49,127	46,900	49,200
5405.4 Water	1,673	1,937	2,125	1,700	2,670	3,000	3,200
5410 Supplies/Material	876	0	795	500	0	500	500
5410.1 Fuel	2,909	1,968	2,256	3,000	3,278	4,600	4,800
5415 Outside Services	0	0	0	0	0	50,000	50,000
5420 Permits and Fee	75,887	87,071	94,478	90,000	167,771	114,400	115,500
Sub-total	<u>\$146,183</u>	<u>\$161,558</u>	<u>\$173,969</u>	<u>\$165,200</u>	<u>\$222,847</u>	<u>\$219,400</u>	<u>\$223,200</u>
<b>MAINTENANCE DIVISION EXPENSE</b>							
5500 Labor	29,832	18,626	\$15,869	\$23,970	\$4,249	3,500	3,640
5510 Supplies/Material	2,484	24,600	10,434	15,000	27,747	25,000	27,000
5515 Outside Services	22,455	4,302	5,971	17,000	10,877	11,700	12,200
Sub-total	<u>\$54,771</u>	<u>\$47,528</u>	<u>\$32,273</u>	<u>\$55,970</u>	<u>\$42,873</u>	<u>\$40,200</u>	<u>\$42,840</u>
<b>SPECIALTY EXPENSES</b>							
5715.2 Other Lab Services	1,114	1,739	5,603	3,000	6,304	5,700	5,900
7202 Allocated Lab Expense	26,379	33,487	35,115	37,824	39,094	43,350	46,912
Sub-total	<u>\$27,493</u>	<u>\$35,226</u>	<u>\$40,717</u>	<u>\$40,824</u>	<u>\$45,398</u>	<u>\$49,050</u>	<u>\$52,812</u>
<b>ADMINISTRATIVE EXPENSES</b>							
7225 Allocated Support Services	31,110	25,999	30,881	30,266	25,791	45,632	48,850
7226 Allocated Operations Services	11,573	12,031	19,933	17,446	16,491	28,218	31,056
Sub-total	<u>\$42,683</u>	<u>\$38,030</u>	<u>\$50,814</u>	<u>\$47,712</u>	<u>\$42,282</u>	<u>\$73,850</u>	<u>\$79,906</u>
<b>TOTAL EXPENSES</b>	<u><b>\$271,130</b></u>	<u><b>\$282,342</b></u>	<u><b>\$297,773</b></u>	<u><b>\$309,706</b></u>	<u><b>\$353,400</b></u>	<u><b>\$382,500</b></u>	<u><b>\$398,758</b></u>

**OPERATING EXPENSE LINE ITEM EXPLANATIONS**

- 5400 Labor – Labor hours for farm operations including centrate treatment and potential biosolids injection.
- 5410.1 Fuel – Diesel fuel for use on site.
- 5420 Permits and Fees – RWQCB permit fees for biosolids injection and SCAQMD permits for the generator, carbon scrubber, and biofilter..

**MAINTENANCE EXPENSE LINE ITEM EXPLANATIONS**

- 5500 Labor – Primarily labor hours worked by Maintenance Section personnel to provide maintenance services.
- 5515 Outside Services – Funds to hire any maintenance providers required to assist in building maintenance such as janitor, alarms, trash collection, etc. Increased funding due to maintenance of equipment associated with centrate treatment. Other services include compressor maintenance; refuse disposal, pest control and security services.

**SPECIALTY EXPENSE LINE ITEM EXPLANATIONS**

- 5710.2 Technical Services – The costs for any labor hours by Technical Services personnel for assistance would be accumulated in this account.
- 5715 Laboratory Services – Tapia Laboratory service and outside laboratory service costs are charged to these accounts.

<b>Las Virgenes - Triunfo Joint Powers Authority Administration - 751840</b>							
	FY 18-19 Actual	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Budget	FY 21-22 Est Actual	FY 22-23 Budget	FY 23-24 Budget
<b>PUBLIC INFORMATION</b>							
6602 School Education Program	2,586	0	0	20,000	15,000	15,000	15,000
6604 Public Education Program	29,554	16,267	35,112	20,842	1,465	21,000	21,000
6606 Community Group Outreach	0	0	0	8,000	5,000	5,000	5,000
6608 Intergovernmental Coordination	411	0	0	5,000	2,500	2,500	2,500
Sub-total	<u>\$32,551</u>	<u>\$16,267</u>	<u>\$35,112</u>	<u>\$53,842</u>	<u>\$23,965</u>	<u>\$43,500</u>	<u>\$43,500</u>
<b>ADMINISTRATIVE EXPENSES</b>							
6872 Litigation/Outside Services	208,746	100,903	6,248	0	15,269	15,880	16,515
6516 Other Professional Services	266,417	182,895	244,407	156,600	129,619	162,864	169,379
6517 Audit Fees	3,377	6,000	0	6,000	6,000	3,850	3,850
7135.1 Property Insurance	79,858	113,262	127,923	0	121,076	189,645	208,609
7135.4 Earthquake Insurance	117,389	119,864	123,161	0	107,667	141,019	141,879
7145 Claims Paid	0	685,000	0	0	0	0	0
7153 TWSD Staff Services	0	0	0	6,000	5,000	5,000	5,000
6260 Rental Charge - Facility Repl	377,618	355,452	358,409	383,316	300,894	331,780	331,145
7203 Allocated Building Maint	153,010	102,595	137,766	96,642	81,411	102,294	105,024
7225 Allocated Support Services	162,188	7,551	985	342,500	0	135,000	135,000
7226 Allocated Operations Services	3,977	3,495	313	10,728	35,837	69,184	74,918
Sub-total	<u>\$1,372,580</u>	<u>\$1,677,018</u>	<u>\$999,212</u>	<u>\$1,001,786</u>	<u>\$802,772</u>	<u>\$1,156,516</u>	<u>\$1,191,319</u>
<b>TOTAL EXPENSES</b>	<b><u>\$1,405,131</u></b>	<b><u>\$1,693,285</u></b>	<b><u>\$1,034,324</u></b>	<b><u>\$1,055,628</u></b>	<b><u>\$826,737</u></b>	<b><u>\$1,200,016</u></b>	<b><u>\$1,234,819</u></b>

6602 School Education Program – Wastewater education initiatives, programs and tours. Also includes programs designed to accommodate home-school students.

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.

6516 Other Professional Services – Federal and State Regulatory Advocacy for securing funding and providing input on regulatory issues.

6517 Audit Fees – Joint Powers Authority’s share of costs related to financial statement audit.

7135 General Insurance – Property insurance costs.

6260 Rental Charge – Facilities Replacement – Internal charge to set aside funds for future facilities replacement.

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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10520	<b>SCADA System Communication Upgrades</b>	Nkwenji	2 Ongoing	Appr. \$93,100 Exp.. \$32,447	\$0	\$644,000
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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:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

10635	<b>Pure Water Project</b>	Schlageter	2 Ongoing	Appr. \$12,473,632 Exp.. \$7,067,575	\$0	\$13,251,040
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This project funds preliminary studies, outreach, CEQA analysis, preliminary design and final design.

The 2018 project cost estimate (\$121M) was updated using an annual inflationary factor of 3%.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

10668	<b>Rancho Las Virgenes Storm Water Diversion Structure Replacement</b>	Hurtado	1 Proposed	Appr. \$0 Exp.. \$3,746	\$3,746	\$171,900
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Replacement of two storm water diversion structures at the Rancho Las Virgenes Composting Facility. Structures have lifted and need to be addressed.

The drainage from the V-ditch goes to a discharge point in Las Virgenes Creek. There is a concern that sludge and/or reclaimed water entering into the V-ditch could enter the creek via the drainage from the V-ditch. An Open/Close valve should be installed at the drainage area so that operators control the contents of the V-ditch. A sump pump system with discharge piping

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
10693	<b>Pavement Restoration Rancho</b>	Dingman	3 Proposed	Appr. \$533,320 Exp.. \$0	\$0	\$0

Pavement restoration/slurry seal at Rancho. This project needs to occur after project No.'s 10668 (Storm water Structure Repair) and 201862 (Rancho Valving Repairs).

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share: 29.4%

10702	<b>Tapia Effluent Pump Station 4160 Volt Feeder Relocation</b>	Gil	2 Proposed	Appr. \$496,000 Exp.. \$17,458	\$0	\$0
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Remove or abandon in place existing 4160 volt feeders currently suspended from the top slab of the Effluent Pump Station wet well, underneath the existing MCCs. Perform electrical design and replace the overhead 4160 volt feeders. Ensure coordination with 480 volt switch gear improvements.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share: 29.4%

10703	<b>Tapia Tertiary Filter Rehabilitation</b>	Dingman	2 Proposed	Appr. \$60,000 Exp.. \$0	\$0	\$50,000
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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

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share: 29.4%



## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
10711	<b>Rancho Reliability Improvement - FY25-32</b>	Dingman	2 Proposed	Appr. Exp..	\$0	\$0

Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, beyond useful life, or obsolescence. Specific projects are identified for each fiscal year.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share:	29.4%

10724	<b>Multi Site Security Assessment and Improvement - JPA</b>	Nkwenji	2 Proposed	Appr. Exp..	\$90,420 \$0	\$14,580	\$343,200
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Security assessment of various District sites and facilities. This will include access control and security camera installations and improvements.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share:	29.4%

10737	<b>Tapia Flow Equalization - Design/Construct</b>	Schlageter	1 Proposed	Appr. Exp..	\$350,000 \$0	\$100,000	\$3,330,000
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This project consists of the development of a preliminary design report to evaluate the storage and conveyance of Tapia primary effluent to help store and equalize the diurnal peak flows that Tapia sees between dry and wet weather events. This maximizes effluent available for the AWT and also improves and provides consistent water quality for the feed water to the AWT.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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10741	<b>Concrete Corrosion/Crack Repair - Tapia</b>	Triplett	1 Proposed	Appr. \$132,000 Exp.. \$0	\$0	\$264,000
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Repair failing concrete at the Tapia Water Reclamation Facility.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%

10743	<b>Fire Hardening - JPA Facilities - FY22-23 &amp; FY23-24</b>	Korkosz	1 Proposed	Appr. \$528,000 Exp.. \$0	\$0	\$264,000
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Fire hardening strategy for JPA facilities includes preventative measures and protection systems for both internal and external sources of fire. Potential facility improvements include: 1) Employing advanced detectors and utilizing a plant fire safety systems; and 2) evaluation and, if feasible, installation of a perimeter fire defense system. Fire Hardening also includes creating larger defensible space around critical structures and providing wider access roads and preventative improvements to facilities.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%

10745	<b>003 Discharge Point Rehabilitation</b>	Dingman	1 Proposed	Appr. \$669,300 Exp.. \$72,951	\$0	\$555,000
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Evaluate and repair failed 003 Discharge point pipeline (into Malibu Creek). The proposed work includes environmental documents and construction of needed to rehabilitate the discharge point. The pipeline will be used to supply potable supplement to the Malibu Creek during low flow periods.

Approximately one (1) mile of pipeline needs to be inspected.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
10747	<b>New RAS Wet Well and Pumps</b>	Dingman	2 Proposed	Appr. Exp..	\$120,000 \$0	\$0 \$0

Replace RAS wet well and pumps to increase pumping capacity and reliability.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

10748	<b>Centrate Tank Inspection and Rehabilitation Assessment</b>	Dingman	2 Proposed	Appr. Exp..	\$10,000 \$0	\$122,000 \$0
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Tank inspection and recommendations for rehabilitation.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

10749	<b>Tapia Influent Pump Replacement</b>	Dingman	2 Proposed	Appr. Exp..	\$0 \$0	\$0 \$0
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Replacement of two (2) influent pumps with dry pit submersible pumps. Dry pit submersible pumps will improve staff's ability to maintain and improve staff safety when performing maintenance.

This project was identified in the 2017 Carollo study.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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10752	<b>Tapia Sludge Wet Well Re-circulation Piping Replacement</b>	Triplett	2 Proposed	Appr. Exp..	\$62,800 \$0	\$0 \$50,000
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The re-circulation (mixing) piping at the Tapia sludge wet wells is corroded and develops leaks. This project replaces this piping.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

10753	<b>Tapia Air Line Repair</b>	Dingman	1 Proposed	Appr. Exp..	\$50,000 \$0	\$280,000 \$0
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The air line which conveys compressed air to the treatment process has leaks which not only allow air to escape, but also allow contaminants to enter into the pipeline and potentially the air diffusers. A large portion of this line was repaired, however a section of the pipeline was not addressed. This section needs to be addressed to stop leakage and protect the diffuser membranes.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

10754	<b>Rancho Valving In Street Replacement</b>	Dingman	2 Proposed	Appr. Exp..	\$0 \$0	\$396,000 \$0
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Replace the broken or damaged R.E.W. and Potable Water valving throughout the facility.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
20185	<b>Tapia Secondary Clarifier Rehabilitation</b>	Dingman	1 Proposed	Appr. Exp..	\$0 \$847,000	\$0

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

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

20191	<b>Tapia Effluent Pump Station Rehabilitation</b>	Schlageter	3 Proposed	Appr. Exp..	\$0	\$5,522,500
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Increase reliability and safety of electrical feed as well as upgrade motor starting capabilities and pumps.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

20191	<b>Tapia Control Building Improvements</b>	Dingman	2 Proposed	Appr. Exp..	\$0	\$841,380
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The control building at Tapia is aging is in need of significant repairs, remodeling and other improvements.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.: 100%		TWSD Share: 29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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20193	<b>Rancho Fire Repair - Woolsey Fire - Reimbursement</b>	Schlageter	2 Proposed	Appr. Exp..	\$0	\$0
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Anticipated reimbursement for IIP project number 201930.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%

20193	<b>JPA Facility Facilities Repair - Woolsey Fire - Reimbursement</b>	Schlageter	2 Proposed	Appr. Exp..	\$0	\$0
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Anticipated reimbursement for IIP project number 201933.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%

20193	<b>Tapia Water Reclamation Facility Improvements - FY25-32</b>	Dingman		Appr. Exp..	\$0	\$0
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Replace or rehabilitate facilities and equipment at the Tapia Water Reclamation facility based on failure, end of useful life, or obsolescence. Specific projects are identified for each fiscal year.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share: 70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share: 29.4%



## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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20195	<b>JPA Condition Assessment and Rehab Planning</b>	Korkosz	1	Appr. Exp..	\$100,000	\$0
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Hire engineering firm to assess all electrical systems and make recommendations on necessary rehab or replacement of switch gear, VFD's, transformers, switching, etc...

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

20195	<b>Centrifuge Controls Upgrade</b>	Korkosz	1 Proposed	Appr. Exp..	\$158,400	\$0
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Upgrade controls to improve electrical cost and better product.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

20195	<b>Rancho Reliability Improvements - FY22-23 &amp; FY23-24</b>	Dingman	2 Proposed	Appr. Exp..	\$132,000	\$132,000
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Replace or rehabilitate facilities and equipment at the Rancho facility based on failure, beyond useful life, or obsolescence. Specific projects are identified for each fiscal year.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
20195	<b>Fire Hardening - JPA Facilities - FY5-32-32</b>	Korkosz	3 Proposed	Appr. Exp..	\$0	\$0

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

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	100%	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:		TWSD Share:	29.4%

20196	<b>Tapia Water Reclamation Facility Improvements - FY22-23 &amp; FY23-24</b>	Dingman	2 Proposed	Appr. Exp..	\$132,000	\$132,000
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Replace or rehabilitate facilities and equipment at the Tapia Water Reclamation facility based on failure, end of useful life, or obsolescence. Specific projects are identified for each fiscal year.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

20196	<b>TAPIA ALUMINUM SULFATE TANK REPLACEMENT</b>	Dingman	1 Proposed	Appr. Exp..	\$816,000	\$396,000
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Replace aging sodium bisulfite tank that is leaking. Project includes feed pump and delivery pipeline.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
20196	<b>Rancho Control Building HVAC Replacement</b>	Dingman	2 Proposed	Appr. Exp..	\$330,000	\$0

Replace HVAC at Rancho Control Building. Has reached end of useful life and is not feasible to replace existing unit.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	TWSD Share:	29.4%

20196	<b>Malibou Lake Siphon Project</b>	Korkosz	1 Proposed	Appr. Exp..	\$1,337,000	\$0
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Repair Malibou Lake Siphon to address inflow and infiltration at the site.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	?
PW Repl.:	RW Repl.:	SAN Repl.:	TWSD Share:	?

20196	<b>Rancho Las Virgenes - New Flare</b>	Dingman	1 Proposed	Appr. Exp..	\$150,000	\$555,000
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Design and install a new larger flare that can handle all of the digester gas flow (over 100 scfm). The current flare, which has a limited capacity of 75 scfm will remain in place to provide redundancy. The current flare does not have the capacity to dispose of all of the digester gas.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
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20197	<b>Trunk Sewer System Improvements - Out Years</b>	Korkosz	2 Proposed	Appr. Exp..	\$0	\$0
Maintain and repair trunk sewer system (pairs with 10756).						

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:		LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	100%	TWSD Share:	29.4%

20197	<b>Recycled Water Pump Station Battery Energy Storage System (BESS)</b>	Zhao	1 Proposed	Appr. Exp..	\$1,381,950	\$0
Development and installation of a 2,682 kilowatt-hour battery storage system at the Recycled Water Pumping Station (RWPS). The anticipated \$1.38 million capital investment will be mostly offset by SGIP funding in the amount of \$1.17 million.						

**Project Funding:**

PW Const.:	RW Const.:	100%	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:		SAN Repl.:	TWSD Share:	29.4%

20197	<b>OFFSET OF IIP #201974 - RWPS Battery Energy Storage System</b>	Zhao	1 Proposed	Appr. Exp..	\$0	\$0
SGIP funding to offset						

**Project Funding:**

PW Const.:	RW Const.:	100%	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:		SAN Repl.:	TWSD Share:	29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
20197	<b>Indian Hills</b>	Hurtado	3 Proposed	Appr. Exp..	\$0	\$0

Indian Hills RW Tank Rehabilitation.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.: 100%	SAN Repl.:	TWSD Share: 29.4%

20198	<b>UNFUND - Rancho Valving In Street (#10754)</b>			Appr. Exp..	\$0	\$0
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\*\*\* UNFUND

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.: 100%	SAN Repl.:	TWSD Share: 29.4%

60030	<b>Grit Chamber Mixing System Replacement</b>	Dingman	3 Proposed	Appr. Exp..	\$0	\$198,000
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Replace grit chamber mixing system with a more efficient mixing system.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share: 70.6%
PW Repl.:	RW Repl.: 100%	SAN Repl.:	TWSD Share: 29.4%

## Capital Improvement Project Detail, FY2022-23 - FY2023-24

Proj #	Project Name/Description	Project Manager	Priority/ Status	through June 30, 2022	FY 22-23 Appropriations	FY 23-24 Appropriations
60032	<b>Pavement Restoration Tapia</b>	Dingman	3 Proposed	Appr. Exp..	\$0 \$0	\$0 \$0

Pavement restoration/slurry seal at Tapia.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	TWSD Share:	29.4%

80748	<b>Rancho: Replace Agitators</b>	Dingman	3 Proposed	Appr. Exp..	\$1,304,250	\$0
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Purchase new compost agitators to replace the existing ones.

**Project Funding:**

PW Const.:	0%	RW Const.:	0%	SAN Const.:	0%	LVMWD Share:	70.6%
PW Repl.:	0%	RW Repl.:	0%	SAN Repl.:	100%	TWSD Share:	29.4%

99909	<b>Rancho Las Virgenes SCADA Improvements</b>	Nkwenji	2 Complete	Appr. Exp..	\$855,000	\$264,000
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Upgrade Process Control and Instrumentation System (PCIS) at Rancho. Rancho's PLC and HMI systems are inconsistent with the current District Standards for Operational Technology.

**Project Funding:**

PW Const.:	RW Const.:	SAN Const.:	LVMWD Share:	70.6%
PW Repl.:	RW Repl.:	SAN Repl.:	TWSD Share:	29.4%



Infrastructure Investment Plan  
Fiscal Year 2022/23 - Fiscal Year 2031/32

**JPA Partner Cost Share**

	<u>FY 22/23</u>	<u>FY 23/24</u>
Sanitation Construction	\$ -	\$ -
Sanitation Replacement	\$ 9,281,653	\$ 19,036,598
RW Conservation	\$ 149,637	\$ -
RW Replacement	\$ -	\$ -
LVMWD Share	\$ 9,431,290	\$ 19,036,598

	<u>FY 22/23</u>	<u>FY 23/24</u>
Sanitation Construction	\$ -	\$ -
Sanitation Replacement	\$ 3,856,264	\$ 7,927,422
RW Conservation	\$ 62,313	\$ -
RW Replacement	\$ -	\$ -
TWSD Share	\$ 3,918,577	\$ 7,927,422
Total Costs	\$ 13,349,867	\$ 26,964,020