

Las Virgenes – Triunfo Joint Powers Authority

BRINGING OUR WATER FULL CIRCLE

Fiscal Year 2023-24
Budget Addendum

**PURE WATER
DEMONSTRATION FACILITY**



Las Virgenes – Triunfo Joint Powers Authority

Fiscal Year 2023-24

Las Virgenes Municipal Water District

Jay Lewitt - Vice Chair
Gary Burns
Charles Caspary
Andy Coradeschi
Leonard Polan

David Pedersen – General Manager

Triunfo Water & Sanitation District

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

Mark Norris – General Manager

Administering Agency:
Las Virgenes Municipal Water District
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JPA 2023-24 BUDGET OVERVIEW

In June 2022, the JPA Board adopted the Fiscal Year 2022-23 budget and approved the Fiscal Year 2023-24 budget plan. The purpose of preparing a two-year budget is to improve long-range and strategic planning, financial management, and program monitoring over a multi-year period. The Fiscal Year 2023-24 budget addendum provides estimated actuals for Fiscal Year 2022-23 and reflects any updates from the approved Fiscal Year 2023-24 approved budget plan.

The Fiscal Year 2023-24 JPA budget for operating expenses is \$24.4 million with net operating expense of \$21.6 million. Net Operating expenses increased from the budget plan by \$324 thousand as a result of increased Property and Earthquake Insurance premiums, offset by an increase in Wholesale RW Revenues.

Summary of Operational Changes Fiscal Year 2023-24

Wholesale Recycled Water Revenue	\$(24,000)
Property / Earthquake Insurance	<u>348,000</u>
Net Increase to Operating Expense	\$324,000

The JPA Capital Budget is \$41.3 million, which includes carryover amounts of \$13.9 million. This represents an increase of \$4.3 million in Fiscal Year 2023-24 over Fiscal Year 2022-23. Significant changes to the Capital Improvements Project Budget from the approved plan are detailed in the table below:

Summary of Significant Changes Capital Improvement Projects Fiscal Year 2023-24

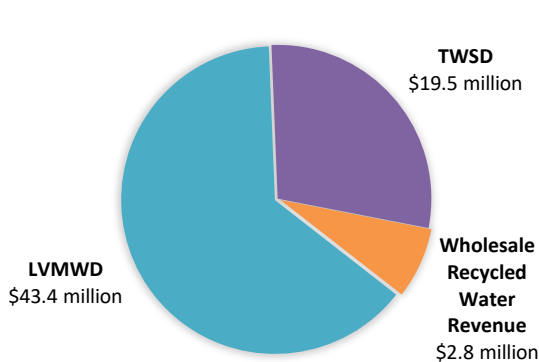
	Budget Plan	Proposed	Adjustments
10702-Tapia Effluent Pump Station Rehab	5,522,500	3,626,370	(1,896,130)
10793-RW Pump Station Battery Energy Storage	1,381,950	-	(1,381,950)
10793-RW Pump Station Battery Storage Offset	(1,170,000)	-	1,170,000
10798-Centrifuge Rebuild	158,400	527,380	368,980
10801-Tapia Aluminum Sulfate Tank Rplcmnt	1,212,000	832,500	(379,500)
10803-Malibou Lake Siphon	1,337,000	3,002,000	1,665,000
NEW-Hach Equipment Replacement	-	150,000	150,000
NEW-RW Reservoir #2 Storm/Inflow Repairs	-	105,600	105,600
NEW-Tapia Flood Wall Improvements	-	198,000	198,000
	\$ 8,441,850	\$ 8,441,850	\$ -

Combined, the Operating and Capital budgets for Fiscal Year 2023-24 total \$65.7 million with Operating representing 37.17% and Capital representing 62.83% of that total.

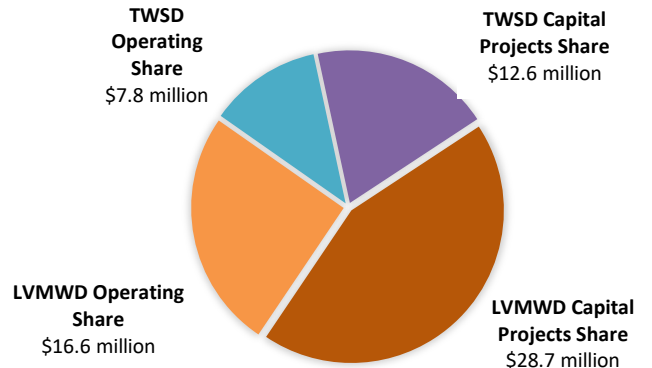
LAS VIRGENES - TRIUNFO JOINT POWERS AUTHORITY
WORKING CAPITAL ANALYSIS - SOURCES AND USES OF FUNDS

	FY2020-21 ACTUAL	FY2021-22 ACTUAL	FY2022-23 BUDGET	FY2022-23 EST ACTUAL	FY2023-24 BUDGET
Operating Revenue					
Recycled Water Revenue					
Las Virgenes Municipal Water District	1,963,580	1,954,050	2,037,475	1,992,685	2,070,558
Triunfo Water & Sanitation District	570,574	573,984	653,148	710,042	663,598
Total Recycled Water Revenue	<u>2,534,154</u>	<u>2,528,034</u>	<u>2,690,623</u>	<u>2,702,727</u>	<u>2,734,156</u>
Other	96,798	80,000	65,000	54,836	65,000
Total Operating Revenue	<u>2,630,952</u>	<u>2,608,034</u>	<u>2,755,623</u>	<u>2,757,563</u>	<u>2,799,156</u>
Participant's Contribution					
Las Virgenes Municipal Water District					
Operations	12,854,710	10,697,983	13,544,725	14,017,871	14,690,472
Capital Projects	4,966,976	8,740,169	9,431,290	3,826,094	28,694,590
Total Las Virgenes	<u>17,821,686</u>	<u>19,438,152</u>	<u>22,976,015</u>	<u>17,843,965</u>	<u>43,385,062</u>
Triunfo Water & Sanitation District					
Operations	5,353,094	5,150,881	6,409,283	5,837,470	6,917,341
Capital Projects	2,068,401	3,639,674	3,918,576	1,593,302	12,562,681
Total Triunfo	<u>7,421,495</u>	<u>8,790,555</u>	<u>10,327,859</u>	<u>7,430,772</u>	<u>19,480,022</u>
Total Sources of Funds	<u>27,874,133</u>	<u>30,836,741</u>	<u>36,059,497</u>	<u>28,032,300</u>	<u>65,664,240</u>
	FY2020-21 ACTUAL	FY2021-22 ACTUAL	FY2022-23 BUDGET	FY2022-23 EST ACTUAL	FY2023-24 BUDGET
Operating Expenses					
Las Virgenes Municipal Water District	14,066,160	12,458,406	15,329,001	15,354,162	16,666,676
Triunfo Water & Sanitation District	6,772,596	5,998,492	7,380,630	7,258,742	7,740,293
Total Operating Expenses	<u>20,838,756</u>	<u>18,456,898</u>	<u>22,709,631</u>	<u>22,612,904</u>	<u>24,406,969</u>
Capital Projects					
Las Virgenes Municipal Water District	4,966,976	8,740,169	9,431,290	3,826,094	28,694,590
Triunfo Water & Sanitation District	2,068,401	3,639,674	3,918,576	1,593,302	12,562,681
Total Capital Projects	<u>7,035,377</u>	<u>12,379,843</u>	<u>13,349,866</u>	<u>5,419,396</u>	<u>41,257,271</u>
Total Use of Funds	<u>27,874,133</u>	<u>30,836,741</u>	<u>36,059,497</u>	<u>28,032,300</u>	<u>65,664,240</u>

SOURCES OF FUNDS
\$65.7 MILLION



USES OF FUNDS
\$65.7 MILLION



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	1,579,029	0	3,850	0	1,582,879
PWP DEMO	0	1,067,850	0	0	0	1,067,850
REVENUES	0	(2,799,156)	0	0	0	(2,799,156)
TOTAL EXPENSES	679,661	16,105,150	4,819,152	3,850	0	21,607,813
	A	B	C	D	E	TOTAL

PARTICIPANTS SHARE	ALLOCATION OF EACH GROUP TO PARTICIPANTS											
	%	\$	%	\$	%	\$	%	\$	%	\$		
U-1 SANITATION DISTRICT	36.3%	246,717	53.1%	9,062,944	42.5%	2,048,140	25.0%	963	82.2%	0	52.6%	11,358,764
U-2 SANITATION DISTRICT	3.1%	21,069	17.5%	2,986,846	20.8%	1,002,384	25.0%	963	0.0%	0	18.6%	4,011,262
RECYCLED WATER FUND				(679,554)							-3.1%	(679,554)
TOTAL LVMWD	39.4%	267,786	70.6%	11,370,236	63.3%	3,050,524	50.0%	1,926	82.2%	0	68.1%	14,690,472
TRIUNFO WSD	60.6%	411,875	29.4%	4,734,914	36.7%	1,768,628	50.0%	1,924	17.8%	0	31.9%	6,917,341
TOTAL ALLOCATION	100.0%	679,661	100.0%	16,105,150	100.0%	4,819,152	100.0%	3,850	100.0%	0	100.0%	21,607,813
	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.

RW WHOLESALE RATE COMPUTATIONS

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	1,660,327			
RW Ops/JPA Ops	7.0%			
Total JPA Admin	1,582,879			
RW Administration	111,276	111,276		
subtotal:Operations & Admin	1,771,603	1,156,603		
Depreciation FY20-21	962,541	962,541	-	
Total Cost	\$ 2,734,144	\$ 2,119,144	\$ 615,000	
Costs per Acre Foot		\$ 444.36	\$ 135.08	\$ 579.44

FY 2023-24 Estimated Deliveries

	Acre Feet	Rate	
LV Valley	216	\$ 444.36 /AF	\$ 95,981.76
LVMWD East	1,519	\$ 579.44 /AF	\$ 880,169.36
LVMWD West	1,889	\$ 579.44 /AF	\$ 1,094,407.16
Total LVMWD	3,624		\$ 2,070,558.28
TWSD	1,145	\$ 579.44 /AF	\$ 663,597.85
	4,769		\$ 2,734,156.13

FY 2023-24 Operating Budget



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

	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Est Actual	FY 23-24 Budget
OPERATING REVENUES				
4235 RW Sales - LVMWD	\$1,963,580	\$2,037,475	\$1,992,685	\$2,070,558
4240 RW Sales - TWSD	570,574	653,148	710,042	663,598
4505 Other Income from Operations	94,677	50,000	54,836	50,000
4510 Compost Sales	2,121	15,000	0	15,000
TOTAL OPERATING REVENUES	\$2,630,952	\$2,755,623	\$2,757,563	\$2,799,156

OPERATIONS DIVISION EXPENSE				
5400 Labor	2,654,875	3,042,804	2,761,149	3,164,516
5405.1 Electricity	2,639,369	2,108,100	2,712,060	2,157,900
5405.2 Telephone	42,410	50,100	24,212	51,600
5405.3 Natural Gas	26,325	20,100	29,250	21,000
5405.4 Water	62,820	32,750	21,321	34,100
5410 Supplies/Material	227,052	144,900	212,321	149,600
5410.1 Fuel	38,071	41,700	43,983	42,500
5410.5 Ferric Chloride	54,014	63,000	64,116	66,000
5410.6 Defoamer/Deodorant	3,269	7,500	0	7,800
5410.7 Polymer	176,608	200,000	143,359	220,000
5410.8 Amendment	250,624	166,400	203,260	174,400
5410.9 Alum	9,410	12,600	2,635	13,200
5410.10 Sodium Hypochlorite	391,791	275,000	506,600	280,000
5410.11 Sodium Bisulfite	118,477	121,800	230,652	127,600
5410.13 Aqua Ammonia	31,519	33,300	63,034	34,869
5415 Outside Services	320,474	373,700	288,124	380,700
5417 Odor Control	52,783	260,000	253,323	290,000
5420 Permits and Fee	262,839	238,100	384,808	245,200
5425 Consulting Services	43,446	42,000	96,536	44,000
5430 Capital Outlay	0	170,000	138,621	175,000
Sub-total	\$7,406,174	\$7,403,854	\$8,179,364	\$7,679,985

MAINTENANCE DIVISION EXPENSE				
5500 Labor	590,755	750,000	737,191	785,000
5510 Supplies/Material	627,102	516,100	622,229	538,800
5515 Outside Services	661,337	561,300	659,226	580,300
5518 Building Maintenance	171,353	327,400	144,422	319,500
5520 Permits and Fee	5,775	2,000	0	2,000
5530 Capital Outlay	10,462	73,500	64,589	75,000
Sub-total	\$2,066,784	\$2,230,300	\$2,227,657	\$2,300,600

PUBLIC INFORMATION				
6602 School Education Program	0	15,000	0	15,000
6604 Public Education Program	3,554	21,000	72,397	21,000
6606 Community Group Outreach	249	5,000	1,870	5,000
6608 Intergovernmental Coordination	0	2,500	0	2,500
Sub-total	\$3,803	\$43,500	\$74,267	\$43,500

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

	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Est Actual	FY 23-24 Budget
RESOURCE CONSERVATION				
6788 District Sprayfield	429,718	288,800	438,087	302,500
6789 005 Discharge	4,646	500	106	500
Sub-total	\$434,364	\$289,300	\$438,193	\$303,000
SPECIALTY EXPENSES				
5700 SCADA Services	101,673	94,100	55,788	98,500
5710.2 Technical Services	297	4,600	0	4,750
5712 Compost Sales/Use Tax	3,121	4,000	2,065	4,000
5715.2 Other Lab Services	323,028	342,900	207,513	350,300
7202 Allocated Lab Expense	673,097	726,109	630,892	785,772
Sub-total	\$1,101,217	\$1,171,709	\$896,258	\$1,243,322
ADMINISTRATIVE EXPENSES				
6872 Litigation/Outside Services	24,844	15,880	114,850	135,000
6516 Other Professional Services	179,094	162,864	103,140	169,379
6517 Audit Fees	1,000	3,850	3,992	3,850
7135.1 Property Insurance	143,187	189,645	224,619	352,004
7135.4 Earthquake Insurance	126,681	141,019	156,889	201,392
7153 TWSD Staff Services	0	5,000	0	5,000
6260 Rental Charge - Facility Repl	347,660	331,780	287,845	347,660
7203 Allocated Building Maint	112,496	102,294	143,350	105,024
7206 Allocated G&A	0	0	0	0
7225 Allocated Support Services	5,309,579	6,469,307	5,981,964	7,354,472
7226 Allocated Operations Services	3,581,873	4,149,329	3,780,514	4,162,781
Allocated Services (G&A)	8,891,452	10,218,636	9,762,478	10,717,250
Sub-total	\$9,826,414	\$11,570,969	\$10,797,165	\$12,836,562
TOTAL EXPENSES	\$20,838,756	\$22,709,632	\$22,612,904	\$24,406,969
NET OPERATING EXPENSE	\$18,207,804	\$19,954,009	\$19,855,341	\$21,607,813

FY 2023-24

Capital Improvement Budget



**Las Virgenes-Triunfo Joint Powers Authority
Capital Improvement Project Detail Fiscal Year 2023-24**

Sanitation

SCADA System Communications Upgrade-CIP10520

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Nkwenji	2	32,447	93,100	24,750

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	454,664	472,138	1,773,472	
TWSD Share Amount (29.4%)	189,336	196,613	738,528	
Project Totals	644,000	668,750	2,512,000	3,213,197

Tapia Programmable Logic Controller Upgrades-10567

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Nkwenji	2	2,460,913	2,500,000	39,087

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 contrate treatment in the third year. Design will occur in the first year for all facilities.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	27,595	-	
TWSD Share Amount (29.4%)	-	11,492	-	
Project Totals	-	39,087	-	2,500,000

Summer Season TMDL Compliance-10619

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado	2	3,768,849	4,597,941	829,092

In February 2017 the SWRCB adopted the implementation Plan for the 2013 TMDL. The plan provides for compliance with summer time limits within five years. The options for compliance include a "side stream" treatment plant, the use of potable water and nutrient trading in the watershed. This CIP funds the selection, preliminary studies, outreach, CEQA analysis, preliminary design, and final design for the summer time compliance. Project 10611 (Duct Bank Infrastructure Upgrade) was added to this program for the FY19-20 planning period. Construction of a 1 MGD "side stream" treatment facility at Tapia to treat potable water for stream flow augmentation.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	585,339	-	
TWSD Share Amount (29.4%)	-	243,753	-	
Project Totals	-	829,092	-	4,597,941

Pure Water Project-CIP10635

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Slosser	2	6,814,179	12,473,632	5,659,453

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 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 funding to move from concept to reality.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	9,355,234	13,350,808	234,856,300	
TWSD Share Amount (29.4%)	3,895,806	5,559,685	97,801,349	
Project Totals	13,251,040	18,910,493	332,657,649	364,041,774

Project Offset			Net Project	364,041,774
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**Las Virgenes-Triunfo Joint Powers Authority
Capital Improvement Project Detail Fiscal Year 2023-24**

Rancho Las Virgenes Storm Water Diversion-CIP10668

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
	Leu	2	3,746	3,746	-

Project Description:

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 should also be included so that the contents can be pumped either to the field or offsite.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	121,361	121,361	-	
TWSD Share Amount (29.4%)	50,539	50,539	-	
Project Totals	171,900	171,900	-	175,646

Tapia Effluent Pump Station-CIP10702

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
	Leu	2	15,252	196,000	180,748

Project Description:

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	127,608	-	
TWSD Share Amount (29.4%)	-	53,140	-	
Project Totals	-	180,748	-	196,000

Tapia Tertiary Filter Rehab-CIP10703

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
	Hurtado	2	-	60,000	-

Project Description:

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	35,300	35,300	279,576	
TWSD Share Amount (29.4%)	14,700	14,700	116,424	
Project Totals	50,000	50,000	396,000	446,000

Multi Site Security Assessment and Improvement JPA-CIP10724

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
	Nkwenji	2	3,617	105,000	101,383

Project Description:

Security Assessment of various District sites and facilities. This will include access controls and security camera installations and improvements.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	242,299	313,876	566,607	
TWSD Share Amount (29.4%)	100,901	130,707	235,953	
Project Totals	343,200	444,583	802,560	1,250,760

Tapia Flow Equalization-CIP10737

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
	Leu/Slosser	1	710	450,000	449,290

Project Description:

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	2,350,980	2,668,179	2,350,980	
TWSD Share Amount (29.4%)	979,020	1,111,111	979,020	
Project Totals	3,330,000	3,779,290	3,330,000	7,110,000

Las Virgenes-Triunfo Joint Powers Authority
Capital Improvement Project Detail Fiscal Year 2023-24

Concrete Corrosion/Crack Repair-Tapia-CIP10741

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Triplet/Hurtado	1	-	132,000	132,000
Repair failing concrete at the Tapia Water Reclamation Facility.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			128,492	221,684	-
TWSD Share Amount (29.4%)			53,508	92,316	-
Project Totals			182,000	314,000	-

Fire Hardening- JPA Facilities FY2022-24-CIP10743

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Korkosz	2	-	528,000	528,000
Fire hardening strategy for JPA facilities includes preventive 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.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			-	372,768	-
TWSD Share Amount (29.4%)			-	155,232	-
Project Totals			-	528,000	-

003 Discharge Point Rehab-CIP10745

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado	1	137,567	273,080	94,164
Evaluate and repair failed 003 Discharge point pipeline (into Malibu Creek). Contract for inspection, an engineering study and a design report to determine the most cost effective means to repair failed 24" potable water pipeline from the Tapia Water Reclamation Facility to Malibu Creek. 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 and preventative improvements to facilities.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			391,830	458,310	-
TWSD Share Amount (29.4%)			163,170	190,854	-
Project Totals			555,000	649,164	-

Centrate Tank Inspection and Rehabilitation Assessesment-CIP10748

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado	2	-	132,000	132,000
Tank inspections and recommendations for rehabilitation.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			-	93,192	-
TWSD Share Amount (29.4%)			-	38,808	-
Project Totals			-	132,000	-

Tapia Sludge Wet Well Re-Circulation-CIP10752

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Triplet	2	-	62,800	-
The re-circulation (mixing) piping at the Tapia sludge wet wells is corroded and develops leaks. This project replaces this piping.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			35,300	35,300	93,192
TWSD Share Amount (29.4%)			14,700	14,700	38,808
Project Totals			50,000	50,000	132,000

**Las Virgenes-Triunfo Joint Powers Authority
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Tapia Air Line Repair-CIP10753

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Acevedo	1	-	330,000	330,000

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	232,980	-	
TWSD Share Amount (29.4%)	-	97,020	-	
Project Totals	-	330,000	-	330,000

Trunk Sewer System Improvements-CIP10756

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Korkosz/Leu	2	501,600	501,600	-

Replace or rehabilitate trunk sewer system components based on CCTV, condition assessment & SSMP, end of useful life, or obsolescence. Specific projects are identified for each fiscal year.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	354,130	354,130	-	
TWSD Share Amount (29.4%)	147,470	147,470	-	
Project Totals	501,600	501,600	-	501,600

Tapia Secondary Clarifier Rehabilitation-CIP10794

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Leu	1	26,926	847,000	820,074

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. Recaulking the expansion joints and structural repairs to catwalks are needed as they are separating from the wall.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	578,972	-	
TWSD Share Amount (29.4%)	-	241,102	-	
Project Totals	-	820,074	-	847,000

Tapia Effluent Pump Station Rehabilitation-CIP10795

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Leu	3	-	-	-

Increase reliability and safety of electrical feed as well as upgrade motor starting capabilities and pumps.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	2,560,217	2,560,217	-	
TWSD Share Amount (29.4%)	1,066,153	1,066,153	-	
Project Totals	3,626,370	3,626,370	-	3,626,370

Tapia Control Building Improvements-CIP10796

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Korkosz	2	-	-	-

The control building at Tapia is aging and in need of significant repairs, remodeling, and other improvements.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	594,014	594,014	-	
TWSD Share Amount (29.4%)	247,366	247,366	-	
Project Totals	841,380	841,380	-	841,380

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JPA Condition Assessment and Rehabilitation Planning-CIP10797

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Korkosz/Leu	1	783	100,000	99,217

Hire engineering firm to assess all electrical systems and make recommendations on necessary rehab or replacement of switch gear, VFD's transformers, switching, etc.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	70,047	-	
TWSD Share Amount (29.4%)	-	29,170	-	
Project Totals	-	99,217	-	100,000

Centrifuge Controls Upgrade-CIP10798

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Korkosz	1	-	158,400	158,400

With the summertime compliance project being constructed next year, the 001 out fall meter will be removed. Additionally, the Tapia groundwater meter has aged out and the 003 meter needs to be replaced. These meters are regulatory required. This project replaces the 001, 003 and the Tapia groundwater effluent meters.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	260,443	372,274	-	
TWSD Share Amount (29.4%)	108,457	155,026	-	
Project Totals	368,900	527,300	-	527,300

Rancho Reliability Improvements FY22-24-CIP10799

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Rabaja	2	132,000	132,000	-

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	93,192	93,192	-	
TWSD Share Amount (29.4%)	38,808	38,808	-	
Project Totals	132,000	132,000	-	132,000

Tapia Water Reclamation Facility Improvements FY22-24-CIP10800

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Bril	2	132,000	132,000	-

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.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	93,192	93,192	-	
TWSD Share Amount (29.4%)	38,808	38,808	-	
Project Totals	132,000	132,000	-	132,000

Tapia Aluminum Sulfate Tank Replacement-CIP10801

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Korkosz	1	40,429	816,000	775,571

Replace aging sodium bisulfite tank that is leaking. Project includes feed pump and delivery pipeline.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	11,649	559,202	-	
TWSD Share Amount (29.4%)	4,851	232,869	-	
Project Totals	16,500	792,071	-	832,500

**Las Virgenes-Triunfo Joint Powers Authority
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Rancho Control Building HVAC Replacement-CIP10802

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Korkosz	2	75,200	330,000	254,800
Replace HVAC at Rancho Control Building. HVAC has reached end of useful life and is not feasible to repair existing unit.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			-	179,889	-
TWSD Share Amount (29.4%)			-	74,911	-
Project Totals			-	254,800	330,000

Malibou Lake Siphon Project-CIP10803

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Korkosz/Leu	1	297,779	1,337,000	1,039,221
Repair Malibou Lake Siphon to address inflow and infiltration at the site.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (28.93%)			1,175,490	782,331	-
TWSD Share Amount (71.07%)			489,510	1,921,890	-
Project Totals			1,665,000	2,704,221	3,002,000

Rancho Las Virgenes - New Flare-CIP10804

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	HurtadoZhao	1	15,000	150,000	135,000
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.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			391,830	487,140	-
TWSD Share Amount (29.4%)			163,170	202,860	-
Project Totals			555,000	690,000	705,000

Grit Chamber Mixing System Replacement-CIP10805

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Leu	3	-	-	-
Replace grit chamber mixing system with a more efficient mixing system.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			139,788	139,788	-
TWSD Share Amount (29.4%)			58,212	58,212	-
Project Totals			198,000	198,000	198,000

Rancho: Replace Agitators-CIP10806

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado	3	411,939	1,304,250	892,311
Purchase new compost agitators to replace the existing ones.					
			FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations
Sanitation Replacement (100%)					Project Total
LV Share Amount (70.6%)			-	629,972	-
TWSD Share Amount (29.4%)			-	262,339	-
Project Totals			-	892,311	1,304,250

**Las Virgenes-Triunfo Joint Powers Authority
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Rancho Las Virgenes SCADA Improvements-CIP10807

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Nkwenji	2	-	855,000	855,000

Upgrade Process Control and Instrumentation System (PCIS) at Rancho. Rancho's PLC and HMI systems are inconsistent with current District Standards for Operational Technology.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	186,384	790,014	-	
TWSD Share Amount (29.4%)	77,616	328,986	-	
Project Totals	264,000	1,119,000	-	1,119,000

Tapia Selector Channel Wall Infill-CIP10809

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Nkwenji	2	-	396,220	396,220

Bypass Channel No. 2, removal of existing pipes and gates, and infilling existing penetrations between the Selector Channel and Channel No. 2

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	-	279,731	-	
TWSD Share Amount (29.4%)	-	116,489	-	
Project Totals	-	396,220	-	396,220

Tapia Flood Wall Improvements - CIP10813

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Leu	2	-	-	-

Minor improvements to Tapia identified by the hydraulic analysis of Malibu Creek and its flooding effects at Tapia.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	139,788	139,788	-	
TWSD Share Amount (29.4%)	58,212	58,212	-	
Project Totals	198,000	198,000	-	198,000

Hach Equipment Replacement - CIP10812

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Hurtado/Bril	2	-	-	-

Several Hach instruments at the Tapia WRF, have become obsolete. Replacement parts are no longer available or difficult to acquire and expensive. This project will replace vital instrumentation with updated models.

	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
Sanitation Replacement (100%)				
LV Share Amount (70.6%)	105,900	105,900	-	
TWSD Share Amount (29.4%)	44,100	44,100	-	
Project Totals	150,000	150,000	-	150,000

Sanitation Summary

Participant Share	Carryforward	FY 23-24 Appropriations	FY 23-24 Budget
LVMWD Share Amount	9,398,558	19,221,478	28,620,036
TWSD Share Amount	4,527,223	8,004,412	12,531,635
Project Totals	13,529,561	27,225,890	41,151,671

Las Virgenes-Triunfo Joint Powers Authority
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Recycled Water

RW Reservoir #2 Storm Repairs and Inflow Problems - CIP10811

	Project Manager	Priority	Project to Date Expenditures	Project to Date Appropriations	Carryforward
Project Description:	Johnson	1	-	-	-

Improve water quality in Reservoir 2 by upgrading infiltration trench and catch basin discharging directly into reservoir 2. Sedimentation basins will also be regraded to match the original design to capture sediment runoff prior to discharging into reservoir 2.

Recycled Water Replacement Fund	FY 23-24 Appropriations	FY 23-24 Budget	Future Year Appropriations	Project Total
LV Share Amount (70.6%)	74,554	74,554	-	
TWSD Share Amount (29.4%)	31,046	31,046	-	
Project Totals	105,600	105,600	-	105,600

Recycled Water Summary

Participant Share	Carryforward	FY 23-24 Appropriations	FY 23-24 Budget
LVMWD Share Amount	-	74,554	74,554
TWSD Share Amount	-	31,046	31,046
Project Totals	-	105,600	105,600

TOTAL CIP PROJECTS - JPA

Participant Share	Carryforward	FY 23-24 Appropriations	FY 23-24 Budget
LVMWD Share Amount	9,398,558	19,296,032	28,694,590
TWSD Share Amount	4,527,223	8,035,458	12,562,681
Project Totals	13,925,781	27,331,490	41,257,271