

LAVWMA

QUARTERLY REPORT OF OPERATIONS

FY 2021-2022, 4th Quarter



Prepared by



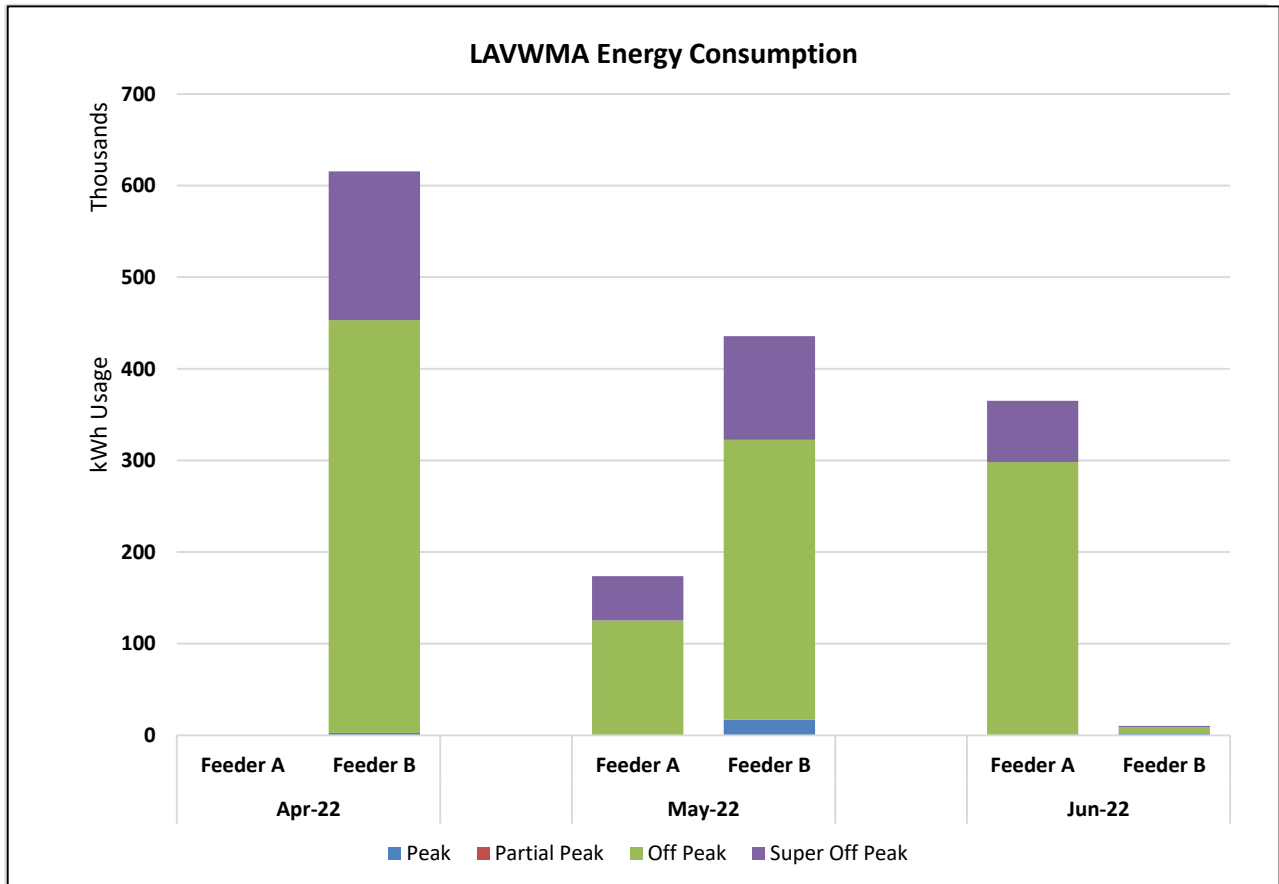
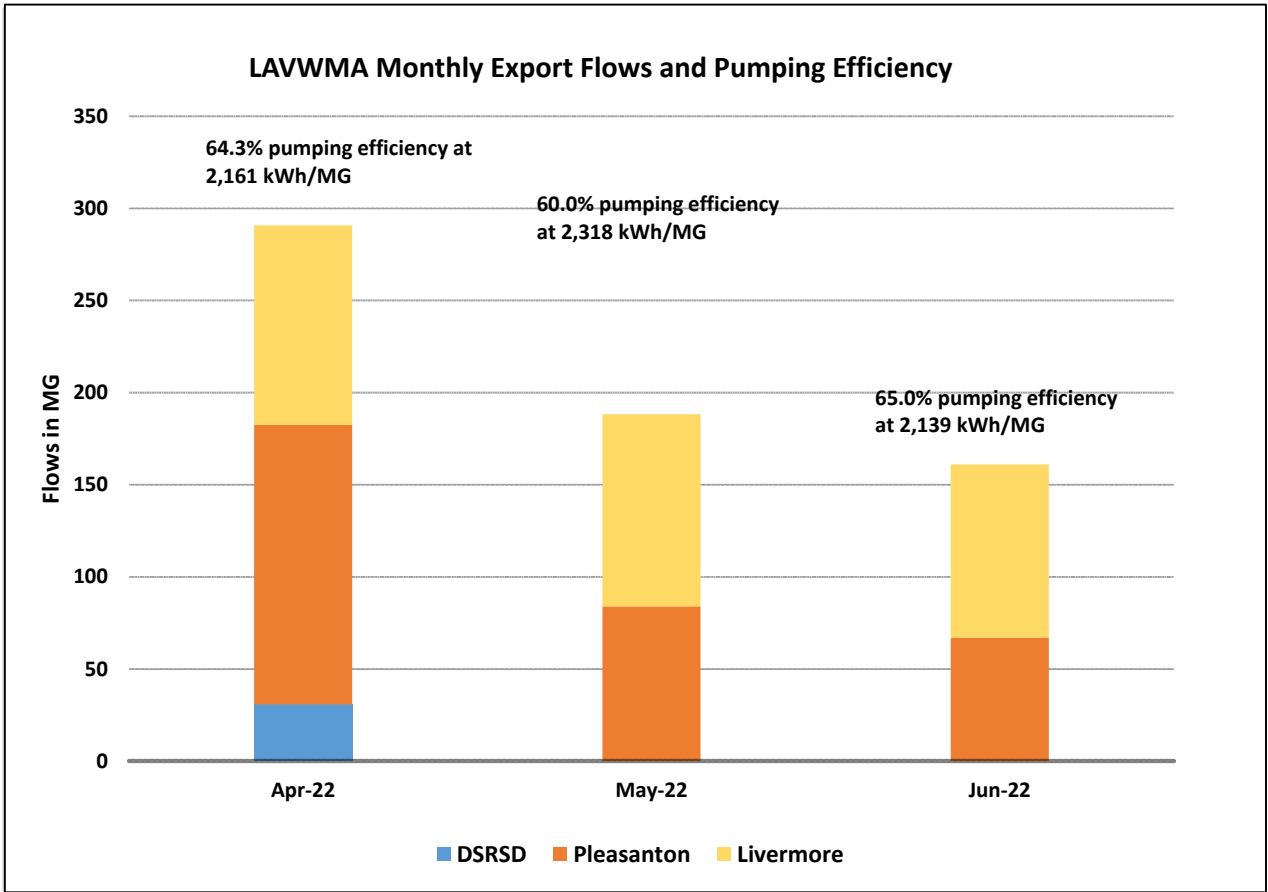
**Dublin San Ramon
Services District**

Water, wastewater, recycled water

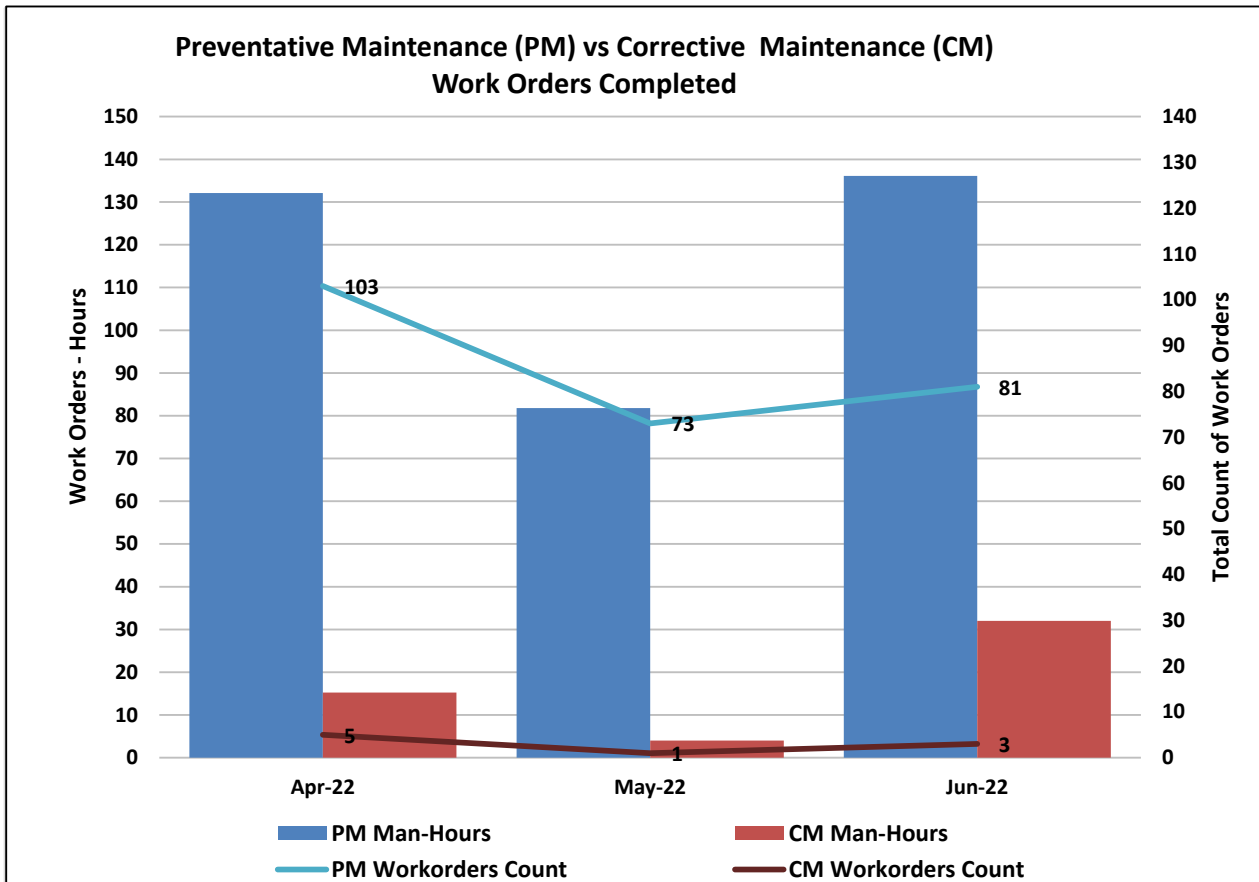
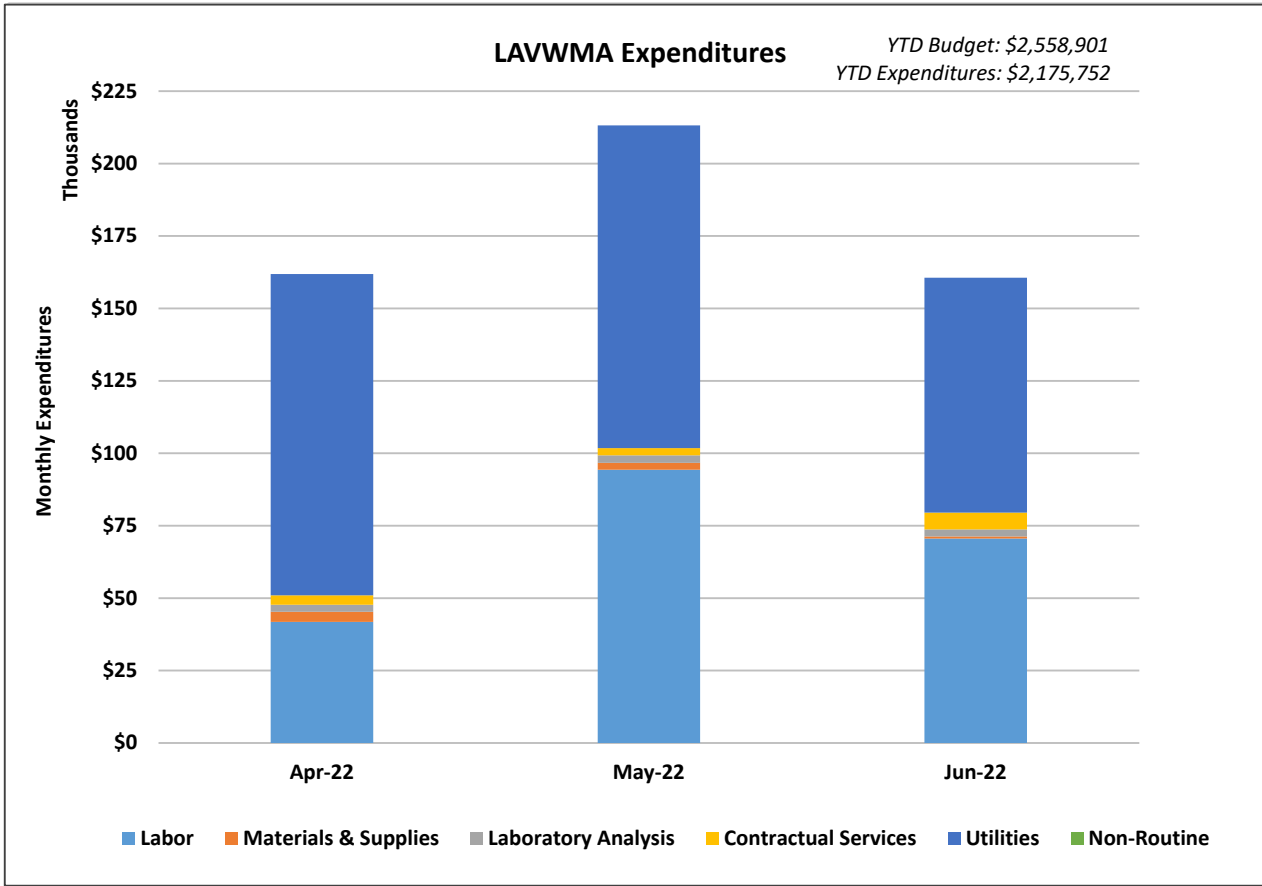
**QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
4th Quarter FY 2021-2022: April to June 2022**

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LAVWMA FYE 2022 FOURTH QUARTER AT A GLANCE



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QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
4th Quarter FY 2021-2022: April to June 2022

1. EXECUTIVE SUMMARY

The Livermore-Amador Valley Water Management Agency (LAVWMA) pumping and effluent conveyance system operated normally during the fourth quarter of FY 2021-2022. During the quarter, a total of 640.32 million gallons of fully treated secondary effluent were pumped to San Francisco Bay via the East Bay Dischargers Authority (EBDA) outfall diffuser and San Leandro Sample Station (SLSS); the overall efficiency of the pumping system averaged 63%, with an average electrical cost of \$422 per million gallons, or \$137 per acre-foot.

Total year-to-date operations and maintenance (O&M) expense is \$2,175,752 or 85% of the O&M annual budget amount of \$2,558,901 and the overall cost of operation is \$648 per million gallons pumped or \$211 per acre-foot.

2. OPERATIONS

Of the 640.32 million gallons of effluent conveyed through the LAVWMA system, approximately 307 million gallons was from the City of Livermore, 303 million gallons from City of Pleasanton and 31 million gallons from DSRSD. Monthly export flow summary is shown on Table 4. Monthly reports sent to EBDA which detail daily export flows and monitoring analysis of the treated effluent during the quarter are shown on Table 9.

Currently PG&E implements a rate plan – broken down into peak, partial peak, off peak, and seasonal super off peak periods – that increases rates for energy used during certain periods of the day, based on energy demand across the energy grid. Throughout the reporting period, staff developed an efficient pumping plan and avoided pumping during partial peak and peak PG&E energy demand periods where feasible. LAVWMA’s energy consumption in the fourth quarter reflects use of PG&E’s seasonal super off peak rate, which is available during the spring months of March, April, and May between the hours of 9 AM and 2 PM.

In the past quarter, staff have strategically utilized LAVWMA’s holding basins to minimize the number of pumps running during a given billing cycle, based on anticipated flow from the City of Livermore and DSRSD’s WWTPs. The energy use was greatly decreased as a result of the changes made by staff, as seen on the LAVWMA Energy Consumption table on page 2. Staff intends to continue this approach moving forward.

Staff have determined that there can be substantial savings in max demand costs by operating pumps on only one Feeder during the billing period. As an example, for the billing period, March 15 - April 13, pumps were run on only Feeder B. By doing this the only cost for Feeder A was the Customer Charge of \$1,611. Had pumps also been run on Feeder A, there would have been a Max Demand Charge of \$26.29 per kW, of approximately \$35,000. The energy charge for kWh would have been approximately the same. Staff is now tracking the actual billing periods to manage which Feeder is used each month. This may be more complicated during wet weather but is manageable during much of the year.

Earlier in the year, smart detectors were installed along the LAVWMA line as a pilot project, with the goal of early detection of blockages in the line or air relief equipment issues which require DSRSD attention and response. Staff have observed that the detectors are extremely effective and improve overall emergency response time. During the quarter there were three separate incidents where the smart detectors alerted staff of potential overflow situations. As a result of

the pilot's success, staff anticipate expanding the number of detectors throughout the LAVWMA line in the near future.

3. MAINTENANCE

During the quarter, 350 hours were spent to complete 257 preventative maintenance work orders and 51 hours to complete 9 corrective maintenance work orders on LAVWMA equipment and systems.

The following are some noteworthy maintenance activities during the quarter:

Electrical:

- Assisted with LAVWMA MCC protective device settings and verified the maintenance mode switches and time delay switches for the consultant
- Assisted with SLSS rehab design and reviewed 75% design package
- Troubleshoot and replaced SLSS sample pump

Instrumentation and Controls:

- Ongoing project to upgrade the remote monitoring equipment for all CP rectifier panels; completed Rectifier P-10 as a test site; in process of procuring remaining hardware
- Completed the installation and configuration of new OSI PI dashboard, with training to be scheduled soon
- Completed the upgrades to the vibration sensor and monitoring equipment; added tags to SCADA and updated screens; submitted red line markups to consultant to incorporate into the design record drawing set
- Pulled new network cable for security system and installed and configured new security hardware on the pump station's front door
- Rebuilt and calibrated LAVWMA junction structure CL2 Analyzer
- Corrected a pump cycling issue with Ops
- Replaced the pressure transmitter at SLSS

Mechanical:

- Replaced air solenoid in surge tank
- Repaired DSRSD chlorine sample line at junction structure
- Repaired winch on the wet well's bar screen pump deck

5. BUDGET VARIANCE AND EXPENSES

Fourth quarter labor expenses totaled \$206,699 for 1,010 man-hours of effort, an average of 1.9 full time equivalents (FTEs). O&M expenses for the quarter including labor, supplies, laboratory analysis, contractual services, and utilities totaled \$535,608 for an average cost of \$837 per million gallons pumped or \$273 per acre-foot. The total expense for the Livermore sole use pipeline for the quarter was \$641.

Operation and maintenance (O&M) expenses and budget utilization details are shown on Tables 5, 6, 7, and 8.

6. ITEMS OF INTEREST

Beginning June 10, the Wastewater Treatment Plant experienced an unplanned power outage for approximately 16 hours which affected LAVWMA facilities. Fortunately, there was sufficient reservoir storage available to withstand the outage, and power was restored on June 11.

On June 27, PG&E called for a peak day pricing event. DSRSD staff ensured that no LAVWMA pumps were run during the affected hours.

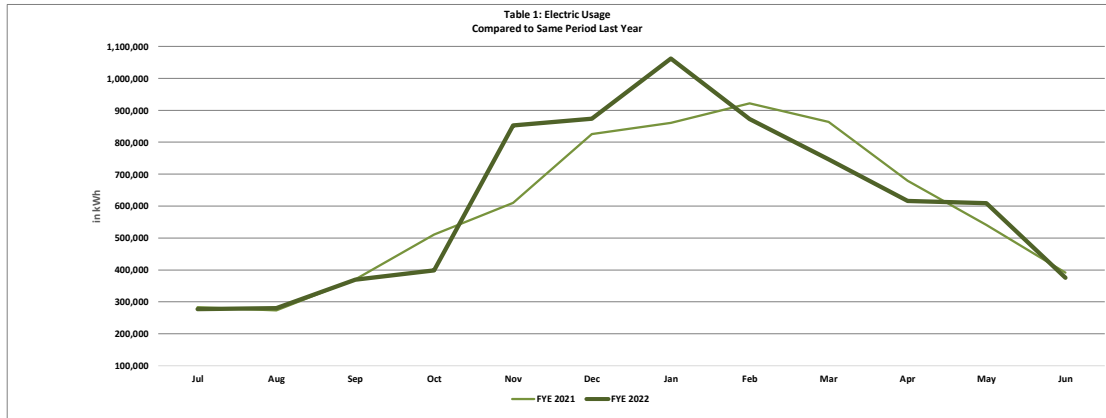
7. CAPITAL PROJECTS

As additional information, Table 11 provides a status summary of the capital projects that are primarily managed by the LAVWMA General Manager. The O&M budget and expenditures discussed in this quarterly report do not include capital projects.

TABLE 1 - Electric Usage, Efficiency and Costs

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

PG&E Service Accounts: Rate Schedule B20 starting March 2021															Total Export Flow ¹	Pumping						
Acct # 8482061923-1 Service A					Acct # 8440395259-5 Service B					Billing Days	Total			MG		Energy kWh/MG	Cost		Efficiency %			
Month	kWh	Peak	Partial Peak	Off Peak	Super Off Peak	\$	kWh	Peak	Partial Peak		Off Peak	Super Off Peak	\$		kWh		\$/kWh	\$		MG	\$/MG	\$/AF
Jul-21	121,614	0	0	121,614		\$30,679	156,361	9,910	19,424	127,027		\$43,366	30	277,975	\$0.27	\$74,045	108	\$2,565	\$683	\$223	54.2%	
Aug-21	121,695	0	52	121,643		\$26,843	158,567	10,283	22,241	126,043		\$43,175	32	280,262	\$0.25	\$70,019	105	\$2,667	\$666	\$217	52.1%	
Sep-21	300,902	0	300	300,602		\$60,010	68,264	6,492	12,791	48,981		\$31,359	30	369,166	\$0.25	\$91,368	160	\$2,312	\$572	\$186	60.1%	
Oct-21	389,192	0	0	389,192		\$67,279	9,593	1,768	828	6,997		\$8,793	29	398,785	\$0.19	\$76,072	182	\$2,191	\$418	\$136	63.5%	
Nov-21	179,241	7,458	0	171,783		\$55,673	673,504	19,663	0	653,841		\$115,688	30	852,745	\$0.20	\$171,361	412	\$2,071	\$416	\$136	67.1%	
Dec-21	93,222	0	0	93,222		\$36,104	780,566	11,465	0	769,101		\$125,342	31	873,788	\$0.18	\$161,446	413	\$2,117	\$391	\$127	65.7%	
Jan-22	157,258	1,885	0	155,373		\$38,041	904,903	54,826	0	850,077		\$148,618	31	1,062,161	\$0.18	\$186,659	486	\$2,185	\$384	\$125	63.6%	
Feb-22	553,887	144	0	553,743		\$111,751	318,562	3,510	0	315,052		\$60,750	28	872,449	\$0.20	\$172,501	397	\$2,199	\$435	\$142	63.2%	
Mar-22	12,788	0	0	12,788	0	\$19,798	733,311	3,353	0	655,642	74,316	\$131,520	31	746,099	\$0.20	\$151,318	342	\$2,185	\$443	\$144	63.6%	
Apr-22	0	0	0	0	0	\$1,611	615,737	2,530	0	450,528	162,679	\$110,273	30	615,737	\$0.18	\$111,884	285	\$2,161	\$393	\$128	64.3%	
May-22	173,636	0	0	125,288	48,348	\$31,095	435,609	17,006	0	305,499	113,104	\$77,640	29	609,245	\$0.18	\$108,736	263	\$2,318	\$414	\$135	60.0%	
Jun-22	364,997	0	5	298,171	66,821	\$74,812	10,183	1,805	627	6,552	1,199	\$5,759	31	375,180	\$0.21	\$80,571	175	\$2,139	\$459	\$150	65.0%	
Quarter																						
Average	179,544					\$35,840	353,843					\$64,558	30	533,387	\$0.19	\$100,397	241	\$2,206	\$422	\$137	63.1%	
Total	538,633					\$107,519	1,061,529					\$193,673	90	1,600,162		\$301,191	723	\$6,618				
Minimum	0					\$1,611	10,183					\$5,759	29	375,180	\$0.18	\$80,571	175	\$2,139	\$393	\$128	60.0%	
Maximum	364,997					\$74,812	615,737					\$110,273	31	615,737	\$0.21	\$111,884	285	\$2,318	\$459	\$150	65.0%	
YTD																						
Average	205,703					\$46,141	405,430					\$75,190	30	611,133	\$0.21	\$121,332	277	\$2,259	\$473	\$154	61.9%	
Total	2,468,432					\$553,696	4,865,160					\$902,284	362	7,333,592		\$1,455,980	3,327	\$27,110				
Minimum	0					\$1,611	9,593					\$5,759	28	277,975	\$0.18	\$70,019	105	\$2,071	\$384	\$125	52.1%	
Maximum	553,887					\$111,751	904,903					\$148,618	32	1,062,161	\$0.27	\$186,659	486	\$2,667	\$683	\$223	67.1%	



NOTES:

1) This Table 1 does not reflect what was the actual expenditures paid for the month and may not match what is in Table 8 Expenditures. The primary purpose of Table 1 is to show the electric usage and efficiency for the month it actually occurred.

2) To calculate pumping efficiency, read dates, electric usage, and export flows are matched to PG&E billing periods: 3/15 - 4/13 for April, 4/14 - 5/12 for May, and 5/13 - 6/12 for June.

3) Pumping efficiency is based on continuous average flows and a TDH of 442.8 feet, including static lift of 408.8 feet and piping losses of 34 feet (per Charlie Joyce, B&C, 2/12/07).

TABLE 2 - Pump Run Time Hours

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

Month	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	TOTAL	
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	Run	Utilization
Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	%
Jul-21	0	29	87	204	0	0	0	200	84	26	631	8.5%
Aug-21	0	220	81	1	91	62	0	29	81	219	783	10.5%
Sep-21	0	2	110	3	359	240	1	352	1	0	1,067	14.8%
Oct-21	0	184	47	161	333	245	163	359	192	0	1,685	22.7%
Nov-21	0	481	90	367	37	55	481	38	369	32	1,951	27.1%
Dec-21	0	522	97	551	0	0	551	113	546	0	2,380	32.0%
Jan-22	0	376	230	105	233	236	355	357	235	223	2,349	31.6%
Feb-22	0	374	153	218	151	156	242	0	327	6	1,628	24.2%
Mar-22	0	444	0	459	0	0	165	0	440	0	1,508	20.3%
Apr-22	0	184	0	490	0	293	0	0	500	0	1,467	20.4%
May-22	0	0	0	157	234	368	0	0	159	216	1,135	15.3%
Jun-22	0	16	0	185	107	103	0	0	193	101	704	9.8%
Quarter												
Average	0	67	0	277	114	255	0	0	284	106	1,102	15.1%
Total	0	200	0	832	341	764	0	0	851	317	3,305	
Minimum	0	0	0	157	0	103	0	0	159	0	704	9.8%
Maximum	0	184	0	490	234	368	0	0	500	216	1,467	20.4%
YTD												
Average	0	236	75	242	129	147	163	121	260	69	1,441	19.8%
Total	0	2,832	896	2,901	1,545	1,759	1,959	1,448	3,124	823	17,288	
Minimum	0	0	0	1	0	0	0	0	1	0	631	8.5%
Maximum	0	522	230	551	359	368	551	359	546	223	2,380	32.0%

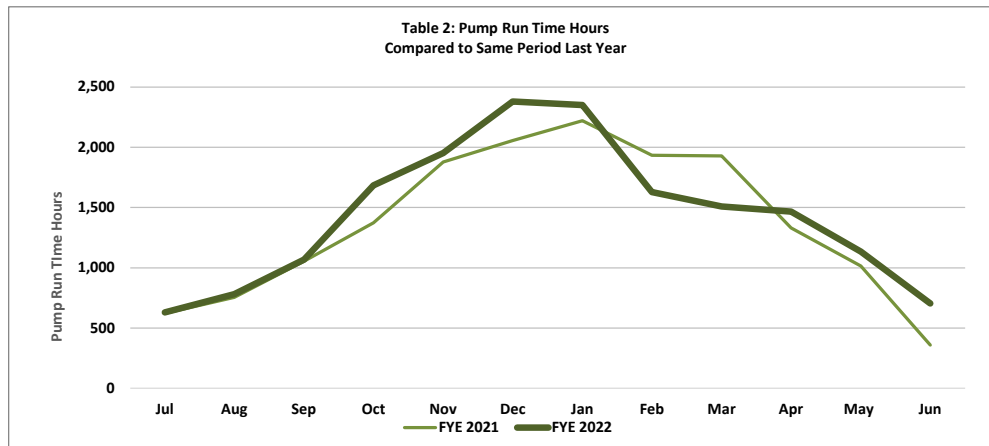
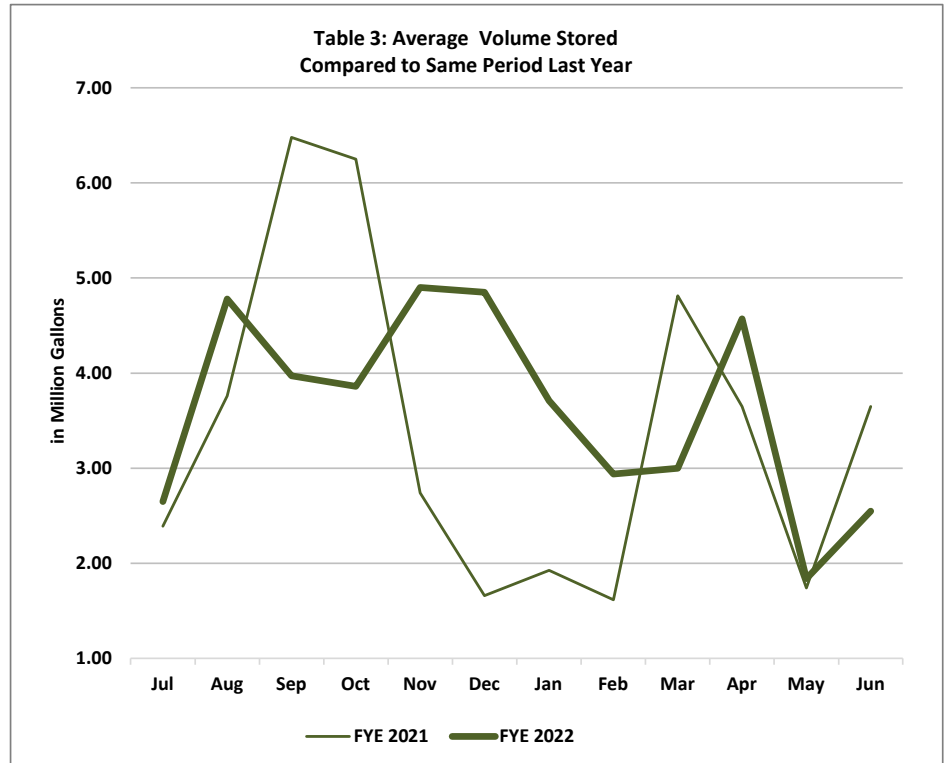


TABLE 3 - Monthly Average Storage Basin Levels and Volume

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

Month	Average Daily Volume			Average Volume Stored MG	Average Storage Available MG	Storage Basin Utilization %
	Basin No. 1	Basin No. 2	Basin No. 3			
	Feet	Feet	Feet			
Jul-21	2.17	0.22	3.19	2.65	18	14.7%
Aug-21	4.97	3.44	0.53	4.78	18	26.6%
Sep-21	4.19	2.35	1.08	3.97	18	22.1%
Oct-21	3.09	1.98	2.96	3.86	18	21.4%
Nov-21	1.56	1.78	5.97	4.90	18	27.2%
Dec-21	3.89	1.49	4.24	4.85	18	26.9%
Jan-22	3.81	0.32	3.47	3.71	18	20.6%
Feb-22	2.07	0.19	3.69	2.94	18	16.3%
Mar-22	2.95	0.20	2.98	3.00	18	16.7%
Apr-22	3.17	0.20	5.46	4.57	18	25.4%
May-22	1.59	0.20	2.28	1.84	18	10.2%
Jun-22	2.47	0.18	2.50	2.55	18	14.2%
Quarter						
Average	2.41	0.19	3.41	2.99		0.17
Minimum	1.59	0.18	2.28	1.84		0.10
Maximum	3.17	0.20	5.46	4.57		0.25
YTD						
Average	2.99	1.05	3.20	3.64		20.2%
Minimum	1.56	0.18	0.53	1.84		10.2%
Maximum	4.97	3.44	5.97	4.90		27.2%

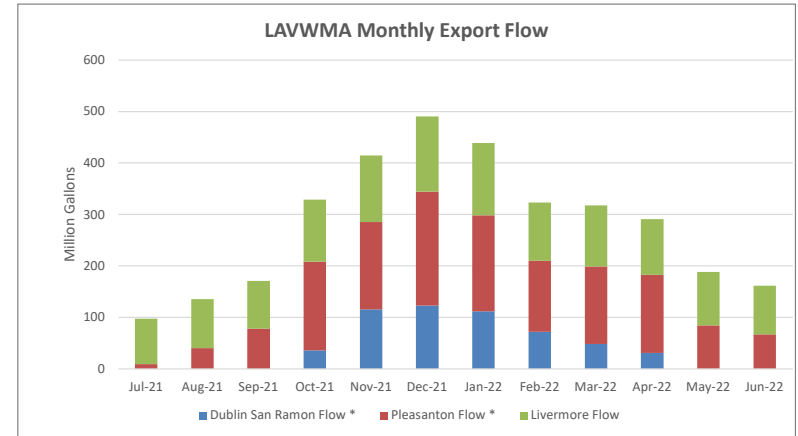
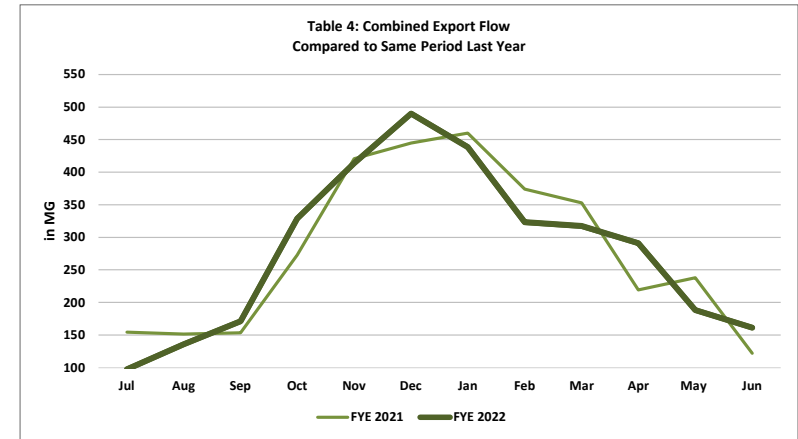


Note: Total available storage volume is 18 million gallons.

TABLE 4 - Monthly Export Flow

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report
 Estimated Flow: 3,358 MG

Month	Dublin San Ramon	Pleasanton	Livermore	Combined Export	Total for Quarter	PGE tab
	Flow * MG	Flow * MG	Flow MG	Flow MG		
Jul-21	0.00	9.24	88.11	97.35		97.34
Aug-21	0.00	39.90	95.49	135.39		135.39
Sep-21	0.00	77.99	92.97	170.96	403.69	170.96
Oct-21	35.96	172.01	120.69	328.65		328.65
Nov-21	115.46	169.49	129.52	414.47		414.47
Dec-21	122.90	221.07	146.09	490.06	1,233.19	490.06
Jan-22	111.59	186.52	140.47	438.58		438.58
Feb-22	71.73	138.22	113.30	323.25		323.25
Mar-22	48.25	150.44	118.79	317.48	1,079.31	317.48
Apr-22	30.78	151.66	108.32	290.76		290.76
May-22	0.00	84.03	104.28	188.31		188.31
Jun-22	0.00	67.11	93.95	161.05	640.12	161.05
Quarter						
Total	30.78	302.80	306.55	640.12		
Average	10.26	100.93	102.18	213.37		
Minimum	0.00	67.11	93.95	161.05		
Maximum	30.78	151.66	108.32	290.76		
YTD						
Total	536.67	1,467.67	1,351.97	3,356.31		Budgeted Flow: 3,358 MG
Average	44.72	122.31	112.66	279.69		
Minimum	0.00	9.24	88.11	97.35		
Maximum	122.90	221.07	146.09	490.06		



* Monthly totals do not include flows diverted for recycling use by DERWA and Pleasanton.

TABLE 5 - Labor Effort, Expenditures, and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

FY Labor Budget \$968,151

Month	Billed	FTE Equiv	Labor Invoice	YTD	Budget Utilization	Labor	Export Flow	
	Labor Hours			Labor Expense		Budget Remaining	MG	AF
Jul-21	353.5	2.0	\$59,266	\$59,266	6.1%	\$908,885	97.35	299
Aug-21	279.5	1.6	\$48,140	\$107,406	11.1%	\$860,745	135.39	416
Sep-21	256.2	1.5	\$43,940	\$151,346	15.6%	\$816,805	170.96	525
Oct-21	436.0	2.5	\$75,273	\$226,619	23.4%	\$741,532	328.65	1,009
Nov-21	323.5	1.9	\$55,760	\$282,379	29.2%	\$685,772	414.47	1,272
Dec-21	273.0	1.6	\$47,017	\$329,396	34.0%	\$638,755	490.06	1,504
Jan-22	189.0	1.1	\$38,367	\$367,763	38.0%	\$600,388	438.58	1,346
Feb-22	272.0	1.6	\$55,773	\$423,536	43.7%	\$544,615	323.25	992
Mar-22	274.5	1.6	\$55,139	\$478,675	49.4%	\$489,476	317.48	974
Apr-22	211.0	1.2	\$41,826	\$520,502	53.8%	\$447,649	290.76	892
May-22	446.5	2.6	\$94,300	\$614,802	63.5%	\$353,349	188.31	578
Jun-22	352.0	2.0	\$70,572	\$685,374	70.8%	\$282,777	161.05	494
QUARTER								
Total	1,009.5		\$206,699				640.12	1,965
Average	336.5	1.9	\$68,900				213.37	655
Minimum	211.0	1.2	\$41,826				161.05	494
Maximum	446.5	2.6	\$94,300				290.76	892
YTD								
Total YTD	3,666.7		\$685,374		70.8%	\$282,777	3,356.31	10,301
Average YTD	305.6	1.8	\$57,115				279.69	858
Minimum	189.0	1.1	\$38,367				97.35	299
Maximum	446.5	2.6	\$94,300				490.06	1,504

Notes:

TABLE 6 - O&M Expenditures and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

Total O&M Budget: **\$2,558,901**

Month	Labor Expenses	A/P Expenses	Total O&M Expenses	YTD O&M Expenses	Budget Utilization	O&M Budget Remaining	Overall O&M Cost		Export Flow	
							\$/MG	\$/AF	MG	AF
Jul-21	\$59,266	\$51,654	\$110,921	\$110,921	4.3%	\$2,447,980	\$1,139	\$371	97.35	299
Aug-21	\$48,140	\$102,505	\$150,645	\$261,566	10.2%	\$2,297,335	\$1,113	\$363	135.39	416
Sep-21	\$43,940	\$96,666	\$140,606	\$402,171	15.7%	\$2,156,730	\$822	\$268	170.96	525
Oct-21	\$75,273	\$75,803	\$151,076	\$553,247	21.6%	\$2,005,654	\$460	\$150	328.65	1,009
Nov-21	\$55,760	\$181,762	\$237,522	\$790,769	30.9%	\$1,768,132	\$573	\$187	414.47	1,272
Dec-21	\$47,017	\$98,370	\$145,388	\$936,156	36.6%	\$1,622,745	\$297	\$97	490.06	1,504
Jan-22	\$38,367	\$190,537	\$228,904	\$1,165,061	45.5%	\$1,393,840	\$522	\$170	438.58	1,346
Feb-22	\$55,773	\$198,131	\$253,904	\$1,418,965	55.5%	\$1,139,936	\$785	\$256	323.25	992
Mar-22	\$55,139	\$166,040	\$221,179	\$1,640,144	64.1%	\$918,757	\$697	\$227	317.48	974
Apr-22	\$41,826	\$120,016	\$161,842	\$1,801,986	70.4%	\$756,915	\$557	\$181	290.76	892
May-22	\$94,300	\$118,864	\$213,164	\$2,015,150	78.8%	\$543,751	\$1,132	\$369	188.31	578
Jun-22	\$70,572	\$90,030	\$160,603	\$2,175,752	85.0%	\$383,149	\$997	\$325	161.05	494
QUARTER										
Total	\$206,699	\$328,910	\$535,608				\$837	\$273	640.12	1,965
Average	\$68,900	\$109,637	\$178,536						213.37	655
Minimum	\$41,826	\$90,030	\$160,603				\$557	\$181	161.05	494
Maximum	\$94,300	\$120,016	\$213,164				\$1,132	\$369	290.76	892
YTD										
Total YTD	\$685,374	\$1,490,378	\$2,175,752		85.0%	\$383,149	\$648	\$211	3,356.31	10,301
Average YTD	\$57,115	\$124,198	\$181,313							
Minimum	\$38,367	\$51,654	\$110,921				\$297	\$97	97.35	299
Maximum	\$94,300	\$198,131	\$253,904				\$1,139	\$371	490.06	1,504

Notes:

a) A/P expenses dipped in December due to applied credit of \$89,058.20 to PG&E bill.

TABLE 7 - O&M Expenditures and Budget Utilization for Livermore Sole Use Facilities

LAVWMA SYSTEM: Fiscal Year 2021-2022, Quarterly Report

Livermore Sole Use Facilities			
Month	Labor Expenses	A/P Expenses	Total Expenses
Jul-21	\$0	\$167	\$167
Aug-21	\$0	\$151	\$151
Sep-21	\$0	\$166	\$166
Oct-21	\$0	\$196	\$196
Nov-21	\$0	\$168	\$168
Dec-21	\$0	\$186	\$186
Jan-22	\$0	\$194	\$194
Feb-22	\$0	\$215	\$215
Mar-22	\$0	\$196	\$196
Apr-22	\$0	\$226	\$226
May-22	\$0	\$217	\$217
Jun-22	\$0	\$198	\$198
<u>Quarter</u>			
Total	\$0	\$641	\$641
Average	\$0	\$214	\$214
Minimum	\$0	\$198	\$198
Maximum	\$0	\$226	\$226
<u>YTD</u>			
YTD Total	\$0	\$2,280	\$2,280
YTD Average	\$0	\$190	\$190
YTD Minimum	\$0	\$151	\$151
YTD Maximum	\$0	\$226	\$226

TABLE 8

LAVWMA
BUDGET COMPARISON TO ACTUAL EXPENSES: GOODS & SERVICES

Current FY Period: 12

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M															
	Budget	July	August	September	October	November	December	January	February	March	April	May	June	YTD	YTD
	FY 2021-2022	2021	2021	2021	2021	2021	2021	2022	2022	2022	2022	2022	2022	TOTAL	Budget
Labor															
Staff	\$968,151	\$59,266	\$48,140	\$43,940	\$75,273	\$55,760	\$47,017	\$38,367	\$55,773	\$55,139	\$41,826	\$94,300	\$70,572	\$685,374	\$968,151
Subtotal	\$968,151	\$59,266	\$48,140	\$43,940	\$75,273	\$55,760	\$47,017	\$38,367	\$55,773	\$55,139	\$41,826	\$94,300	\$70,572	\$685,374	\$968,151
Materials & Supplies															
Operations Supplies	\$13,000	\$10	\$47	\$10	\$7	\$10	\$0	\$70	\$10	\$10	\$10	\$12	\$233	\$429	\$13,000
Mechanical Supplies	\$25,000		\$1,039			\$3,723	\$724		\$524		\$3,438	\$1,646		\$11,095	\$25,000
Electrical Supplies	\$59,400		\$3,177	\$540	\$1,776	\$2,398	\$12,097	\$52	\$11,347	\$9,956	\$0	\$768	\$484	\$42,594	\$59,400
Subtotal	\$97,400	\$10	\$4,263	\$550	\$1,783	\$6,131	\$12,821	\$122	\$11,881	\$9,966	\$3,448	\$2,425	\$716	\$54,117	\$97,400
Laboratory Analysis															
Compliance Testing	\$10,000	\$792	\$792	\$990	\$792	\$792	\$990	\$792	\$792	\$990	\$792	\$792	\$792	\$10,098	\$10,000
Operational Support Testing	\$4,000	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$366	\$4,392	\$4,000
Special Sampling	\$22,000	\$1,288	\$1,610	\$1,288	\$1,288	\$1,610	\$1,288	\$1,288	\$1,288	\$1,610	\$1,288	\$1,391	\$1,288	\$16,525	\$22,000
Subtotal	\$36,000	\$2,446	\$2,768	\$2,644	\$2,446	\$2,768	\$2,644	\$2,446	\$2,446	\$2,966	\$2,446	\$2,549	\$2,446	\$31,015	\$36,000
Contractual Services															
Sub-surface Repairs	\$15,000													\$0	\$15,000
Street Sweeping	\$5,000		\$500	\$400	\$400	\$500	\$300		\$1,000		\$800			\$3,900	\$5,000
Cathodic Protection Survey & Repairs	\$30,000													\$0	\$30,000
Underground Service Alert	\$4,500		\$896											\$896	\$4,500
SCADA software maintenance contract	\$17,000	\$5,029												\$5,029	
Remote monitoring annual service for PS and Rec	\$5,000													\$0	
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$20,000													\$0	
HVAC Maintenance/Repairs	\$750													\$0	\$750
Termite/Pest Control	\$900													\$0	\$900
Landscape/weed maintenance	\$10,000				\$2,941				\$6,862				\$3,921	\$13,723	\$10,000
Janitorial Service	\$9,500		\$1,220		\$425			\$1,275		\$850	\$425		\$880	\$5,075	\$9,500
Fire Extinguisher Maintenance	\$200													\$0	\$200
Postage/Shipping Charges	\$0											\$10		\$10	\$0
Professional Services, misc	\$30,000			\$876			\$922	\$1,005	\$922		\$2,012	\$2,492	\$961	\$9,192	\$30,000
Subtotal	\$147,850	\$5,029	\$2,616	\$1,276	\$3,766	\$500	\$1,222	\$2,280	\$8,784	\$850	\$3,237	\$2,502	\$5,762	\$37,825	\$147,850
Utilities															
Electricity (PG&E)	\$1,301,600	\$43,818	\$92,858	\$91,816	\$67,808	\$171,817	\$81,683	\$185,245	\$175,020	\$151,847	\$110,884	\$110,935	\$81,106	\$1,364,836	\$1,301,600
Water & Sewer (Pleasanton)	\$900	\$154		\$163		\$341		\$238		\$199		\$247		\$1,341	\$900
Water (EBMUD)	\$1,000	\$197		\$217		\$206		\$206		\$212		\$206		\$1,244	\$1,000
Telephone/communications	\$6,000													\$0	\$6,000
WW Treatment (DSRSD)	\$0													\$0	\$0
Subtotal	\$1,309,500	\$44,169	\$92,858	\$92,196	\$67,808	\$172,363	\$81,683	\$185,689	\$175,020	\$152,257	\$110,884	\$111,387	\$81,106	\$1,367,421	\$1,309,500
Non-Routine															
	\$0													\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monthly Total		\$110,921	\$150,645	\$140,606	\$151,076	\$237,522	\$145,388	\$228,904	\$253,904	\$221,179	\$161,842	\$213,164	\$160,603	\$2,175,752	\$2,558,901
YTD Total	\$2,558,901	\$110,921	\$261,566	\$402,171	\$553,247	\$790,769	\$936,156	\$1,165,061	\$1,418,965	\$1,640,144	\$1,801,986	\$2,015,150	\$2,175,752		
Combined Export Flow, mg	3358	97	135	171	329	414	490	439	323	317	291	188	161	3,356	3,358
Pumping Efficiency		54.2%	52.1%	60.1%	63.5%	67.1%	65.7%	63.6%	63.2%	63.6%	64.3%	60.0%	65.0%		
Monthly Cost, \$/mg		\$1,139	\$1,113	\$822	\$460	\$351	\$485	\$522	\$785	\$697	\$557	\$1,132	\$997		
YTD Running Cost, \$/mg	\$762							\$589	\$617	\$626	\$619	\$650	\$668	\$648	

Q2 Notes:
a) December PG&E bill for Feeder B includes \$89,058.20 credit

LAVWMA
BUDGET COMPARISON TO ACTUAL EXPENSES: LABOR

Current FY Period: 12

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M															
FY 2021-2022	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	YTD TOTAL	YTD Budget	
<i>Estimated Personnel Hours</i>															
Division 50 - Ops Admin	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
Division 51 - FOD	40	-	-	-	-	-	-	-	-	-	-	-	-	40.00	
Water/Wastewater Sys Lead Op	0														
Water/Wastewater Sys OP IV-On Call	0														
Water/Wastewater Sys OP IV	30													30.00	
Water/Wastewater Sys OP III	0														
Water/Wastewater Sys OP II	10													10.00	
Maintenance Worker	0														
Supervisor	0														
Division 52 - WWTP	3,080	180.50	123.50	127.19	283.00	144.50	93.50	59.00	130.00	72.00	39.50	163.50	104.00	1,520.19	3,080.00
Process Lead Operator IV/V	150			2.50				8.00				33.00		43.50	150.00
Senior WWTP Operator III	720	22.50	22.00	23.00	126.00	39.00	29.50	29.00	55.50	22.00	39.50	67.00	37.50	512.50	720.00
Operator In Training	400														400.00
Operator II	1,700	158.00	101.50	104.19	154.50	105.50	64.00	30.00	66.50	50.00		63.50	66.50	964.19	1,700.00
Operator II (SLSS)	0														
Operations Superintendent	110														110.00
Division 53 - MECH	1,230	129.50	126.50	95.50	124.00	142.50	113.00	76.50	131.50	178.50	118.00	214.50	171.50	1,621.50	1,230.00
Senior Mechanic-Crane Cert	60	43.50	47.50	32.00	28.00	42.00	35.50	44.50	57.50	21.00	77.00	47.50	499.00	60.00	
Senior Mechanic - USA	80	1.50		1.00	7.00		7.50	9.50	4.00		6.00	15.00	3.00	54.50	80.00
Maintenance Worker	60														60.00
Mechanic I/II	980	18.00			12.00	23.00	4.00	9.00	30.50	12.00	32.00	58.00		209.50	980.00
Mechanic II-Crane Cert	0	44.50	50.00	48.50	54.00	57.50	18.50	59.50	72.50	53.00	70.50	49.50		623.50	
Mechanic I/II - USA	0						4.00		1.00	3.00	4.00	4.00		16.00	
Mechanic II-Crane Cert - USA	0	22.00	29.00	14.00	23.00	20.00	5.00	14.50	17.00	23.00	16.00	9.50		219.00	
Supervisor	50														50.00
Division 54 - ELEC	1,130	43.50	28.00	31.00	24.50	34.00	51.50	8.00	23.50	53.50	38.00	66.00	458.50	1,130.00	
Senior Instrument/Controls Tech	30					15.00	8.00	4.00	4.00	3.00		6.00		40.00	30.00
Instrumentation & Controls Tech I/II	300	2.50	28.00	20.00	24.50	32.00	43.50	4.00	2.50	16.50	36.00	12.00		263.50	300.00
OPS Control Sys Spec	300														300.00
Senior Electrician	30	13.00		4.00					8.00					25.00	30.00
Electrician I/II	440	27.00		5.00		2.00			8.00	34.00		48.00		124.00	440.00
Principal Electrical Engineer	30	1.00		2.00					1.00		2.00			6.00	30.00
Division 26 - SAFETY	60	-	-	-	-	-	-	-	-	-	-	-	-	-	60.00
Safety Officer	60	-	-	-	-	-	-	-	-	-	-	-	-	-	60.00
Division 40 - ENG	260	-	1.50	2.50	4.50	2.50	9.50	2.00	2.50	0.50	-	30.50	10.50	66.50	260.00
Senior Engineer-Supervisory	0														
Associate/Senior Civil Engineer-SME	100		1.50	2.50	4.50	2.50	9.50	2.00	2.50	0.50		30.50	10.50	66.50	100.00
Construction Inspector I	80														80.00
Engineering Technician II	40														40.00
GIS Analyst	40														40.00
<i>Total Estimated Personnel Hours</i>															
	5,800														
<i>FTE</i>															
	2.8														
Total Monthly Hours	353.50	279.50	256.19	436.00	323.50	273.00	189.00	272.00	274.50	211.00	446.50	352.00	3,666.69	5,800.00	

Notes: Senior Mechanic position is missing under Division 53. Hours charged to this position are entered under Senior Mechanic-Crane Cert

TABLE 9

LAVWMA	April	2022
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Parameter	Flow	CBOD	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Coliforms	Enterococci
Units	MGD	mg/L	mg/L	SU	SU	mg/L	mg/L	MPN/100mL	MPN/100mL
Test Method	Daily Average (M)	SM 5210 B-2011	SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average	SM 9221 C,E-2006	Enterolert
MDL									
RL		3.0	4.5					2	10
Location	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS	SLSS	SLSS
4/1/2022	9.96			7.42	7.56	3.237	0.001		
4/2/2022	11.20			7.42	7.55	4.229	0.001		
4/3/2022	9.22			7.41	7.54	4.678	0.001		
4/4/2022	8.47			7.47	7.61	3.449	0.001		
4/5/2022	8.18			7.47	7.59	3.165	0.001	13	<10
4/6/2022	7.60	9.1	9.7	7.46	7.67	2.864	0.001		
4/7/2022	7.90			7.41	7.80	2.929	0.001		
4/8/2022	6.50			7.39	7.65	2.708	0.001		
4/9/2022	6.90			7.49	7.66	2.429	0.001		
4/10/2022	9.29			7.47	7.64	2.492	0.001		
4/11/2022	8.82			7.47	7.67	2.548	0.001		
4/12/2022	9.48			7.56	7.75	3.755	0.001	4	<10
4/13/2022	9.60	8.3	11.0	7.56	7.77	3.522	0.001		
4/14/2022	10.60			7.54	7.64	3.417	0.001		
4/15/2022	9.28			7.47	7.62	2.925	0.001		
4/16/2022	10.60			7.49	7.62	2.245	0.001		
4/17/2022	13.10			7.45	7.57	2.013	0.001		
4/18/2022	9.90			7.44	7.64	1.712	0.001		
4/19/2022	10.60			7.47	7.56	1.662	0.001	<2	<10
4/20/2022	11.29	6.0	7.5	7.44	7.58	1.419	0.001		
4/21/2022	14.70			7.47	7.57	1.160	0.001		
4/22/2022	9.74			7.48	7.54	1.155	0.001		
4/23/2022	11.45			7.43	7.54	0.855	0.001		
4/24/2022	12.22			7.43	7.54	0.935	0.001		
4/25/2022	10.21			7.40	7.55	1.127	0.001		
4/26/2022	8.55			7.44	7.54	1.440	0.001	2	<10
4/27/2022	8.30			7.42	7.54	1.835	0.001		
4/28/2022	9.87	5.0	7.8	7.44	7.59	2.104	0.001		
4/29/2022	8.14			7.44	7.59	3.074	0.001		
4/30/2022	9.08			7.47	7.61	3.101	0.001		



Parameter	Flow	CBOD	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Coliforms	Enterococci
Units	MGD	mg/L	mg/L	SU	SU	mg/L	mg/L	MPN/100mL	MPN/100mL
Test Method	Daily Average (M)	SM 5210 B-2011	SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average	SM 9221 C,E-2006	Enterolert
MDL									
RL		3.0	4.5					2	10
Location	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS	SLSS	SLSS
5/1/2022	7.93			7.51	7.63	1.44	0.001		
5/2/2022	8.10			7.44	7.66	1.38	0.001		
5/3/2022	7.46			7.48	7.63	2.23	0.001	50	<10
5/4/2022	6.62	6.7	7.4	7.49	7.64	2.79	0.001		
5/5/2022	7.88			7.47	7.64	2.47	0.001		
5/6/2022	5.70			7.49	7.63	2.26	0.001		
5/7/2022	7.11			7.44	7.61	4.47	0.001		
5/8/2022	6.98			7.45	7.64	5.62	0.001		
5/9/2022	6.94			7.47	7.64	5.86	0.001		
5/10/2022	7.57			7.53	7.64	5.08	0.001	<2	<10
5/11/2022	6.99	4.6	8.2	7.56	7.76	4.46	0.001		
5/12/2022	5.89			7.51	7.66	4.07	0.001		
5/13/2022	6.73			7.53	7.69	2.79	0.001		
5/14/2022	6.00			7.44	7.69	2.34	0.001		
5/15/2022	7.30			7.53	7.64	1.71	0.001		
5/16/2022	6.03			7.53	7.67	1.44	0.001		
5/17/2022	7.32			7.49	7.85	0.62	0.001	2	<10
5/18/2022	5.70	6.6	12.6	7.42	7.64	1.58	0.001		
5/19/2022	4.74			7.44	7.63	1.98	0.001		
5/20/2022	3.87			7.42	7.60	2.03	0.001		
5/21/2022	4.52			7.53	7.67	0.39	0.001		
5/22/2022	5.88			7.39	7.66	0.83	0.001		
5/23/2022	4.19			7.51	7.67	0.21	0.001		
5/24/2022	5.10			7.54	7.93	0.95	0.001		<10
5/25/2022	3.38	6.9	15.0	7.50	7.80	1.46	0.001		
5/26/2022	4.39			7.51	7.78	4.30	0.001		
5/27/2022	4.61			7.58	7.76	3.90	0.001		
5/28/2022	6.63			7.63	7.72	2.99	0.001		
5/29/2022	5.65			7.60	7.69	2.81	0.001		
5/30/2022	6.25			7.54	7.72	2.04	0.001		
5/31/2022	4.86			7.53	7.70	1.89	0.001	13	<10

Note:
Column E - pH Minimum; online
Column F - pH Maximum; online



Parameter	Flow	CBOD	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Coliforms	Enterococci
Units	MGD	mg/L	mg/L	SU	SU	mg/L	mg/L	MPN/100mL	MPN/100mL
Test Method	Daily Average (M)	SM 5210 B-2011	SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average	SM 9221 C,E-2006	Enterolert
MDL									
RL		2.0	4.5					2	10
Location	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS	SLSS	SLSS
6/1/2022	7.69	6.1	14.7	7.51	7.69	1.90	0.001		
6/2/2022	5.70			7.53	7.88	3.47	0.001		
6/3/2022	4.69			7.46	7.68	2.49	0.001		
6/4/2022	5.35			7.45	7.69	2.41	0.001		
6/5/2022	5.90			7.49	7.64	1.94	0.001		
6/6/2022	7.07			7.54	7.69	1.87	0.001		
6/7/2022	6.74			7.51	7.66	1.64	0.001		<10
6/8/2022	6.66	4.4	11.2	7.42	7.63	1.15	0.001		
6/9/2022	5.25			7.39	7.62	0.44	0.001		
6/10/2022	2.93			7.51	7.63	0.20	0.001		
6/11/2022	7.72			7.45	7.83	0.21	0.001		
6/12/2022	6.55			7.53	7.66	0.79	0.001		
6/13/2022	4.12			7.59	7.71	0.67	0.002		10
6/14/2022	6.29			7.54	7.74	0.31	0.001	11	<10
6/15/2022	5.88	5.3	8.5	7.39	7.61	0.20	0.001		<10
6/16/2022	5.87			7.58	7.66	0.20	0.001		
6/17/2022	5.27			7.51	7.69	1.55	0.001		
6/18/2022	6.52			7.58	7.67	2.23	0.001		
6/19/2022	6.52			7.56	7.67	2.89	0.001		
6/20/2022	5.65			7.47	7.70	3.07	0.001		
6/21/2022	5.88			7.54	7.70	4.25	0.001	<2	<10
6/22/2022	4.61			7.55	7.65	3.09	0.001		
6/23/2022	4.00	3.4	7.9	7.45	7.64	3.99	0.001		
6/24/2022	4.90			7.49	7.69	6.46	0.001		
6/25/2022	2.78			7.45	7.72	3.82	0.001		
6/26/2022	3.70			7.53	7.76	3.86	0.001		
6/27/2022	3.84			7.49	7.78	3.81	0.001		
6/28/2022	3.76			7.49	7.73	3.42	0.001		
6/29/2022	4.98	8.0	9.0	7.55	7.75	2.28	0.001	<2	<1
6/30/2022	4.26			7.56	7.73	3.01	0.001		

Note:
Column E - pH Minimum; online
Column F - pH Maximum; online

TABLE 10

*DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY*

LAVWMA - 2nd Quarter 2022

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
04/05/22	817	20.9	134	373	7.6	7.2	0.4
05/03/22	872	21.8	151	418	7.6	7.1	0.5
06/13/22	778	24.6	132	396	7.5	7.1	0.4
MAXIMUM	872	24.6	151	418	7.6	7.2	0.5
MINIMUM	778	20.9	132	373	7.5	7.1	0.4
AVERAGE	822	22.4	139	396	7.6	7.1	0.4

*DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY*

DSRSD - 2nd Quarter 2022

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
04/05/22	848	21.8	142	382	7.6	7.2	0.4
05/03/22	874	22.3	162	418	7.5	7.1	0.4
06/13/22	870	24.7	150	410	7.6	7.1	0.5
MAXIMUM	874	24.7	162	418	7.6	7.2	0.5
MINIMUM	848	21.8	142	382	7.5	7.1	0.4
AVERAGE	864	22.9	151	403	7.6	7.1	0.5

CITY OF LIVERMORE
LIVERMORE WATER RECLAMATION PLANT

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
04/08/22	630	23.0	83	403	7.6	7.4	0.2
05/04/22	657	22.0	119	389	7.6	7.3	0.3
06/01/22	660	24.0	105	434	7.6	7.3	0.3
MAXIMUM	660	24.0	119	434	7.6	7.4	0.3
MINIMUM	630	22.0	83	389	7.6	7.3	0.2
AVERAGE	649	23.0	102	409	7.6	7.3	0.3

TABLE 11

LAVWMA Action Item List

Month: Jun-22

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for August 2022 LAVWMA Board Meeting.	SAG	NA	No significant items this month. Updates on current capital projects, continuing with remote meetings, review of investment policy, legal and legislative issues, and the GM report. Board approved returning to DSRSD for meetings, but since DSRSD is holding teleconference meetings through September 1, 2022, August will be a Zoom meeting. November 16 will be at DSRSD. By that time the new administrative person will be up to speed and able to assist with logistics.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
FYE21 Replacement Projects: See Items Below	Weir/Zavadi/Delight	Various dates	Refer to information below.	
MCC and Soft Starter Replacement Project. Carryover from FYE20 and into FYE21. Estimated design cost \$250,000. Project now includes Electrical Improvements to the Main Switchgear at the Pump Station. Total estimated cost \$2,300,000 - \$2,500,000.	Weir/Atendido	12/31/2021	Project is nearly complete. Eaton was at the site in July to finish the remaining programming items. Expect project closeout shortly.	Expected by 8/31/22
Resealing of all Three Storage Basins. Estimated cost \$200,000	Quinlan	12/31/2020	Project is complete. Some issues due to water getting under some of the seal areas. Update needed.	6/30/2021
San Leandro Sample Station Design Improvements. Estimated cost \$1,000,000 plus engineering costs of \$230,000 for a total of \$1,230,000	Weir	12/31/2022	The 75% design drawings, revised cost estimate, and technical specs were received May 9, 2022 and are under review. Comments on the technical specs have been completed and returned to HydroScience. They also sent about a dozen general requirements specs, which conflicted with our General Conditions. Reconciling them has been time consuming, but is nearing completion. Project is unlikely to be completed before the end of the year.	12/31/2022
Cathodic Protection Projects. Estimated cost \$185,000	Weir/Atendido	12/31/2020	Corrpro has completed most items that did not require any excavation. Permits have been received for three projects needing excavation and were provided to Corrpro. We have heard nothing from Corrpro in several months. Will likely cancel their contract and have another firm do it. Will return to full system inspection this fiscal year.	6/30/2023
PLC Upgrade at the Pump Station. Estimated cost \$300,000	TBD	6/30/2021	Will be included in DSRSD SCADA project, which is design build. Project has begun. Scoping meetings with staff have been held and the project is progressing.	
Pipeline Inspection. Estimated cost \$100,000	TBD	6/30/2021	DSRSD has outlined a plan for an inspection in the all time frame.	
Smart Detectors on High Maintenance Air/Vac and Air Release Valves. Estimated cost \$40,000	Quinlan	6/30/2022	Project is complete for six smart detectors.	6/30/2022
Replace three flow meters at the junction structure. Estimated cost is \$250,000.	TBA	6/30/2023	The three flowmeters at the junction structure are at the end of their useful lives and are no longer as accurate as required for reporting purposes. The project will include replacing all three and then determine if further modifications, such as, snorkels, are required for the flow measurement accuracy required. The cost of the project includes the three meters plus installation and testing costs.	
Replace 17 valve actuators at the pump station. Estimated cost is \$255,555.	Quinlan	6/30/2023	There are seventeen valves that have electric actuators at the pump station. All of the valves actuators were installed when the pump station was upgraded twenty years ago and they are at the end of their useful lives. The actuators will be replaced with the newest technology and will match the style that are commonly used at DSRSD. The actuators cost approximately \$9,000 each and will be installed by DSRSD staff. The total cost includes staff time for the installation.	
Other Items				
Wet Weather Issues	Sevilla	10/31/2020	None at this time.	
Live test of SLSS system	Sevilla/Atendido	TBD	A test was conducted on November 3, 2021. There were no significant issues encountered during the test. The SLSS design engineer was on site and gathered valuable information that will assist in the upgrade design.	
Live test of Alamo Canal discharge during wet weather	Carson/Sevilla	TBD	Test postponed due to COVID-19. Was planning on this winter, but will likely be delayed until 2022 due to COVID-19.	
Wet Well Isolation Gates	Quinlan	6/30/2023	Gate is in good shape but won't fully close. No date set, perhaps this winter. May be coordinated with replacement of the valve actuators.	
EBDA Enterococcus Issue	Sevilla		Some issues at this time, but EBDA is on top of it and adding hypo at OLEPS.	
YTD O&M Expenses compared to budget	Carson, Weir	Ongoing	No issues at this time.	

