

RO Report
LIV (Dept ID 110)

California Water Service

REPORT ON THE RESULTS OF OPERATION

LIVERMORE DISTRICT



2024 GENERAL RATE CASE
A.24-07-___ (FOR TEST YEAR 2026)
JULY 2024

Table of Contents

CHAPTER 1 OVERVIEW	3
PRIMARY REVENUE DRIVERS	4
SUMMARY OF EARNINGS	5
CHAPTER 2 RECORDED AND PROPOSED SERVICES	9
CHAPTER 3 RECORDED AND PROPOSED SALES AND SUPPLY	19
CHAPTER 4 RECORDED AND PROPOSED REVENUES	24
CHAPTER 5 RECORDED AND PROPOSED EXPENSES	30
CHAPTER 6 RECORDED AND PROPOSED TAXES	58
CHAPTER 7 RECORDED AND PROPOSED CAPITAL BUDGETS	69
PLANT TABLE 1 - FOUR-YEAR CAPITAL BUDGET	70
PLANT TABLE 2 - PROPOSED PROJECT UPDATES	74
PLANT TABLE 3 - 2021 GRC CAPITAL PROJECTS REPORT	77
PLANT TABLE 4 - RECORDED VS. ESTIMATED PLANT ADDITIONS	82
PLANT TABLE 5 - 10 YEARS' HISTORICAL NON-SPECIFIC	83
PLANT TABLE 6 - 10 YEARS' HISTORICAL UNSCHEDULED	84
PLANT TABLE 7 - COMPLETED OUTSIDE OF GRC CYCLE	84
CHAPTER 8 CALCULATIONS FOR RECORDED AND PROPOSED PLANT	85
CHAPTER 9 RECORDED AND PROPOSED DEPRECIATION	94
CHAPTER 10 RECORDED AND PROPOSED RATE BASE	99
CHAPTER 11 PRESENT AND PROPOSED RATE DESIGN	119
CHAPTER 12 PLANT ADDITIONS FOR FIVE RECORDED YEARS	149
CHAPTER 13 BEGINNING PLANT BALANCE COST JUSTIFICATIONS	181

CHAPTER 1

OVERVIEW

PRIMARY REVENUE DRIVERS - LIVERMORE

1. Increase in Rate Base [\$3.8 million in revenue requirement]

The rate base increase in this ratemaking area is due to increased infrastructure investment to maintain the water system by replacing aging infrastructure (such as pumps, mains, services, and meters) and implement enhancements that ensure system reliability and compliance with state and federal water quality standards. Rate base-related costs consist of depreciation expenses, ad valorem taxes, income taxes, and return on rate base. Please refer to the **Project Justification Book** for details about specific capital projects.

2. Increase in CSS O&M and A&G Prorated Expense [\$1.3 million in revenue requirement]

Cal Water's Customer Support Services provides expertise in Engineering, Water Quality, Information Technology, Accounting, Regulatory Matters, Human Resources, and Environment and Safety functions in its. Having central expertise allows Cal Water to offer these services to its local offices at a much lower cost than if each office were to have individual experts in these areas. The increases in the CSS costs are explained in CSS RO book where Cal Water addresses the CSS primary cost drivers.

3. Increase in Other O&M [\$338 thousand in revenue requirement]

This category encompasses various account categories where the company has experienced increased cost in material and supplies, water quality testing and treatment, the "new normal" of public safety power shutoffs (PSPS), wildfire events, and new regulations related to water quality.

4. Increase in Purchased Power [\$305 thousand in revenue requirement]

Increased purchased power costs are due to the overall increase in the unit cost. The unit cost adopted in the 2021 GRC was based on an energy forecast model by tariff and station that calculated total projected power costs for the year. The total power costs for 2023 recorded is higher, which is the basis for the 2026 projection, and results in a higher unit cost and power expense.

5. Increase in Payroll [\$292 thousand in revenue requirement]

The increase in payroll is due to the difference between the requisite Commission escalation rate for labor and the contracted union wage increases and proposed complements.

**SOE Comparison
Proposed versus Last Adopted**

Table 1A Comp

110 - Livermore (LIV)

	Description	2026 Proposed	Last Adopted Advice Letter (2515)	Change	% Change	% Increase in Overall Rev. Req
MDR II.A.3	Operating Revenues	36,661,345	30,834,091	5,827,254	18.90%	18.90%
	Operating Expenses:					
	-Purchased Water	11,421,344	12,295,839	(874,496)	-7.11%	-2.84%
	-Pump Tax	0	0	0		0.00%
	-Purchased Power	861,936	556,571	305,365	54.87%	0.99%
	-Purchased Chemicals	152,183	121,488	30,695	25.27%	0.10%
	-District Payroll	1,839,631	1,548,084	291,547	18.83%	0.95%
	-Uncollectibles	29,991	21,909	8,082	36.89%	0.03%
	-Conservation	727,114	499,023	228,091	45.71%	0.74%
	-Other Operation and Maintenance	1,766,090	1,428,469	337,621	23.64%	1.09%
	-Benefits	407,933	431,383	(23,450)	-5.44%	-0.08%
	-Other Administrative and General	(64,397)	(24,536)	(39,861)	162.46%	-0.13%
	Total O&M and A&G	<u>17,141,824</u>	<u>16,878,230</u>	<u>263,594</u>	<u>1.56%</u>	<u>0.85%</u>
	Taxes Other Than Income:					
	-Ad Valorem	1,055,760	802,778	252,982	31.51%	0.82%
	-Business License	411,445	274,723	136,722	49.77%	0.44%
	-Local Franchise	0	0	0		0.00%
	-Payroll Taxes	134,457	111,153	23,305	20.97%	0.08%
	Total General Taxes	<u>1,601,663</u>	<u>1,188,654</u>	<u>413,009</u>	<u>34.75%</u>	<u>1.34%</u>
	Depreciation and Amortization	3,731,978	3,549,137	182,841	5.15%	0.59%
	CSS Prorated Expenses:					
	-Depreciation & Amortization	663,808	465,850	197,958	42.49%	0.64%
	-O&M and A&G Prorated Expense	4,182,807	99,253	4,083,553	4114.28%	13.24%
	-General Taxes Prorated Expense	235,388	2,929,302	(2,693,914)	-91.96%	-8.74%
	Total CSS Prorated Expenses	<u>5,082,003</u>	<u>3,494,405</u>	<u>1,587,598</u>	<u>45.43%</u>	<u>5.15%</u>
	Total Op. Exp. Before Income Taxes	27,557,468	25,110,426	2,447,042	9.75%	7.94%
	Total Income Taxes	<u>1,484,025</u>	<u>720,679</u>	<u>763,346</u>	<u>105.92%</u>	<u>2.48%</u>
	Total Operating Expenses	<u>29,041,493</u>	<u>25,831,104</u>	<u>3,210,388</u>	<u>12.43%</u>	<u>10.41%</u>
	Net Operating Revenue	<u>7,619,852</u>	<u>5,002,986</u>	<u>2,616,866</u>	<u>52.31%</u>	<u>8.49%</u>
	Depreciated Rate Base	<u>\$ 102,142,786</u>	<u>\$ 75,893,629</u>	<u>\$ 26,249,156</u>	<u>34.59%</u>	<u>85.13%</u>
						3,816,035 12%
	Rate of Return	7.46%	6.59%	0.87%	13.17%	

**SOE Comparison
May versus July**

Table 1B

110 - Livermore (LIV)

Description	2026 Proposed July-Application	2026 Proposed May-Application	Change	% Change	% Increase in Overall Rev. Req
Operating Revenues	\$ 36,661,345	36,914,874	\$ (253,530)	-0.69%	-0.69%
Operating Expenses:					
-Purchased Water	11,421,344	11,421,344	0	0.00%	0.00%
-Pump Tax	0	0	0		0.00%
-Purchased Power	861,936	861,936	0	0.00%	0.00%
-Purchased Chemicals	152,183	154,862	(2,678)	-1.76%	-0.01%
-District Payroll	1,839,631	1,742,064	97,567	5.30%	0.27%
-Uncollectibles	29,991	30,199	(207)	-0.69%	0.00%
-Conservation	727,114	727,114	0	0.00%	0.00%
-Other Operation and Maintenance	1,766,090	1,870,315	(104,225)	-5.90%	-0.28%
-Benefits	407,933	411,611	(3,678)	-0.90%	-0.01%
-Other Administrative and General	(64,397)	(66,520)	2,122	-3.30%	0.01%
Total O&M and A&G	<u>17,141,824</u>	<u>17,152,924</u>	<u>11,100</u>	<u>0.06%</u>	<u>0.03%</u>
Taxes Other Than Income:					
-Ad Valorem	1,055,760	1,020,226	35,534	3.37%	0.10%
-Business License	411,445	414,290	(2,845)	-0.69%	-0.01%
-Local Franchise	0	0	0		0.00%
-Payroll Taxes	134,457	127,326	7,131	5.30%	0.02%
-Other	0	0	0		0.00%
-Reserved	0	0	0		0.00%
Total General Taxes	<u>1,601,663</u>	<u>1,561,843</u>	<u>(39,820)</u>	<u>-2.49%</u>	<u>-0.11%</u>
Depreciation and Amortization	3,731,978	4,111,170	(379,192)	-10.16%	-1.03%
CSS Prorated Expenses:					
-Depreciation & Amortization	663,808	753,913	(90,105)	-13.57%	-0.25%
-O&M and A&G Prorated Expense	4,182,807	4,113,221	69,586	1.66%	0.19%
-General Taxes Prorated Expense	235,388	213,876	21,512	9.14%	0.06%
Total CSS Prorated Expenses	<u>5,082,003</u>	<u>5,081,010</u>	<u>992</u>	<u>0.02%</u>	<u>0.00%</u>
Total Op. Exp. Before Income Taxes	27,557,468	27,906,947	(349,480)	-1.27%	-0.95%
Total Income Taxes	<u>1,484,025</u>	<u>1,455,130</u>	<u>28,895</u>	<u>1.95%</u>	<u>0.08%</u>
Total Operating Expenses	<u>29,041,493</u>	<u>29,362,077</u>	<u>(320,585)</u>	<u>-1.10%</u>	<u>-0.87%</u>
Net Operating Revenue	<u>7,619,852</u>	<u>7,552,797</u>	<u>67,055</u>	<u>0.88%</u>	<u>0.18%</u>
Depreciated Rate Base	<u>\$ 102,142,786</u>	<u>101,243,924</u>	<u>\$ 898,862</u>	<u>0.88%</u>	<u>2.45%</u>
Rate of Return	7.46%	7.46%	0.00%	0.00%	0.00%

**Annual SOE
Recorded**

Table 11 SOE

110 - Livermore (LIV)

Description	Recorded					
	2018	2019	2020	2021	2022	2023
MDR II.A.4 Operating Rever	23,613,888	24,511,874	25,435,510	27,044,417	28,466,802	25,140,359
Operating Expenses:						
-Purchased Wat	8,027,525	11,370,837	12,275,558	11,771,566	11,587,755	10,402,324
-Pump Tax	0	0	0	0	0	0
-Purchased Pow	516,069	307,066	388,783	428,098	589,817	704,411
-Purchased Cher	137,584	72,347	64,282	75,369	94,050	72,934
-District Payroll	1,282,684	1,323,668	1,347,559	1,457,235	1,491,940	1,534,083
-Uncollectibles	17,298	16,348	115,604	(18,263)	46,333	214
-Conservation	190,821	714,063	219,816	292,851	652,268	602,710
-Other Operatio	1,103,313	917,329	908,452	1,003,770	1,390,860	1,696,979
-Benefits	702,727	661,949	706,945	732,087	764,343	580,830
-Other Administ	(81,317)	(53,301)	(28,571)	(59,746)	(39,615)	(25,304)
Total O&M and .	11,896,704	15,330,306	15,998,427	15,682,966	16,577,751	15,569,182
Taxes Other Than Income:						
-Ad Valorem	360,095	249,401	311,929	327,431	286,314	292,023
-Business Licens	230,028	217,204	231,799	179,754	219,060	141,083
-Local Franchise	0	0	0	0	0	0
-Payroll Taxes	95,221	98,358	96,755	103,434	105,413	112,125
-Other	0	97,688	0	99,919	102,364	0
Total General Ta	685,344	662,651	640,483	710,537	713,151	545,231
Depreciation an	2,305,486	2,352,530	2,014,823	2,925,029	3,170,109	3,067,675
CSS Prorated Expenses:						
-Depreciation &	334,745	362,954	514,598	490,664	513,816	547,292
-O&M and A&G	2,140,503	2,427,830	2,557,616	2,675,555	2,917,901	2,828,108
-General Taxes F	(186,927)	(291,484)	(191,466)	(0)	0	127,480
Total CSS Prorat	2,288,321	2,499,300	2,880,748	3,166,219	3,431,717	3,502,880
Total Op. Exp. B	17,175,855	20,844,787	21,534,482	22,484,751	23,892,729	22,684,968
Total Income Ta	1,568,208	807,282	782,924	997,965	1,008,404	447,525
Total Operating	18,744,063	21,652,069	22,317,406	23,482,716	24,901,132	23,132,492
Net Operating R	4,869,825	2,859,805	3,118,104	3,561,701	3,565,669	2,007,867
Depreciated Rat	\$ 37,773,878	\$ 40,394,626	\$ 49,454,126	\$ 55,595,343	\$ 57,199,841	\$ 63,623,122
Rate of Return	12.89%	7.08%	6.31%	6.41%	6.23%	3.16%

**Annual SOE
At Present¹ and Proposed Rates**

Table 11 SOE -2

110 - Livermore (LIV)

Description	Revenue at Present Rates					Revenue at Proposed Rates			Last Adopted AL (2515)
	2024	2025	2026	2027	2028	2026	2027	2028	Test year
MDR II.A.3 & 4 Operating Revenues	28,646,553	28,702,062	28,757,930	36,809,811	39,260,728	36,661,345	39,104,439	41,857,823	\$ 30,834,091 19%
Operating Expenses:									
-Purchased Water	11,398,497	11,409,920	11,421,344	11,450,950	11,480,374	11,421,344	11,450,950	11,480,374	12,295,839
-Pump Tax	0	0	0	0	0	0	0	0	0
-Purchased Power	858,482	860,209	861,936	866,412	994,987	861,936	866,412	994,987	556,571
-Purchased Chemicals	130,815	132,598	152,183	175,583	202,674	152,183	175,583	202,674	121,488
-Payroll	1,688,653	1,742,690	1,839,631	1,898,499	1,944,063	1,839,631	1,898,499	1,944,063	1,548,084
-Uncollectibles	23,435	23,480	23,526	30,109	32,116	29,991	31,986	34,241	21,909
-Conservation	499,023	499,023	727,114	727,114	727,114	727,114	727,114	727,114	499,023
-Other Operation and Maintenance	1,544,822	1,554,323	1,766,090	1,967,171	2,199,266	1,766,090	1,967,171	2,199,266	1,428,469
-Benefits	319,951	389,189	407,933	432,275	456,618	407,933	432,275	456,618	431,383
-Other Administrative and General	(45,718)	(47,479)	(64,397)	(84,090)	(104,798)	(64,397)	(84,090)	(104,798)	(24,536)
Total O&M and A&G	16,417,958	16,563,954	17,135,358	17,464,023	17,932,415	17,141,824	17,465,900	17,934,539	16,878,230
Taxes Other Than Income:									
-Ad Valorem	536,774	898,780	1,055,760	1,198,769	1,341,778	1,055,760	1,198,769	1,341,778	802,778
-Business License	321,496	322,119	322,746	413,064	440,595	411,445	438,817	469,741	274,723
-Local Franchise	0	0	0	0	0	0	0	0	0
-Payroll Taxes	123,423	127,372	134,457	138,760	142,090	134,457	138,760	142,090	111,153
-Other	0	0	0	0	0	0	0	0	0
Total General Taxes	981,693	1,348,272	1,512,964	1,750,594	1,924,463	1,601,663	1,776,346	1,953,610	1,188,654
Depreciation and Amortization	3,392,391	3,879,163	3,731,978	4,059,110	4,386,242	3,731,978	4,059,110	4,386,242	3,549,137
CSS Prorated Expenses:									
-Depreciation & Amortization	581,215	656,494	663,808	715,320	766,832	663,808	715,320	766,832	465,850
-O&M and A&G Prorated Expense	3,497,974	3,660,973	4,182,807	4,361,276	4,702,751	4,182,807	4,361,276	4,702,751	99,253
-General Taxes Prorated Expense	196,184	219,328	235,388	242,085	246,894	235,388	242,085	246,894	2,929,302
Total CSS Prorated Expenses	4,275,373	4,536,795	5,082,003	5,318,681	5,716,478	5,082,003	5,318,681	5,716,478	3,494,405
Total Op. Exp. Before Income Taxes	25,067,416	26,328,183	27,462,303	28,592,408	29,959,598	27,557,468	28,620,038	29,990,869	25,110,426
Total Income Taxes	(39,448)	(520,738)	(701,004)	1,144,605	1,358,033	1,484,025	1,778,993	2,076,043	720,679
Total Operating Expenses	25,027,968	25,807,445	26,761,299	29,737,013	31,317,631	29,041,493	30,399,030	32,066,913	25,831,104
Net Operating Revenue	3,618,585	2,894,616	1,996,631	7,072,798	7,943,096	7,619,852	8,705,409	9,790,910	5,002,986
Depreciated Rate Base	\$ 76,331,747	\$ 89,807,067	\$ 102,142,786	\$ 116,693,997	\$ 131,245,209	\$ 102,142,786	\$ 116,693,997	\$ 131,245,209	\$ 75,893,629
Rate of Return	4.74%	3.22%	1.95%	6.06%	6.05%	7.46%	7.46%	7.46%	6.59%

1. Revenue at Present Rates is calculated by applying the proposed sales and services for the test year to the rates in effect at the time the application is filed

CHAPTER 2

RECORDED AND PROPOSED SERVICES

**Average Active Services
Summary of Recorded and Proposed**

Table4-Services

110 - Livermore (LIV)

		RECORDED YEARS						PROPOSED TEST YEARS				Last Adopted
		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2023</u>
METERED SERVICES												
	RESIDENTIAL	17,044	17,080	17,140	17,191	17,230	17,255	17,318	17,364	17,410	17,456	17,375
	BUSINESS	1,002	1,002	998	994	994	998	993	991	990	989	992
	MULTIPLE FAMILY	99	100	101	102	102	103	104	105	106	106	104
	INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0
	PUBLIC AUTHORITY	230	230	230	230	229	226	224	223	222	221	228
	OTHER	23	25	24	22	22	19	16	15	14	13	27
	IRRIGATION	0	0	0	0	0	0	0	0	0	0	0
	RECYCLED	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	18,398	18,436	18,492	18,537	18,575	18,600	18,655	18,699	18,742	18,785	18,727
FLAT RATE SERVICES												
	RESIDENTIAL FLAT	0	0	0	0	0	0	0	0	0	0	0
	PRIVATE FIRE PROTECTION	366	367	369	371	373	377	382	385	388	391	373
	PUBLIC FIRE PROTECTION	41	41	41	41	41	41	41	41	41	41	41
	TOTAL	407	408	410	412	414	418	423	426	429	432	414
TOTAL SERVICES												
MDR II.A.1	INCLUDING FIRE PROTECTION	18,805	18,843	18,902	18,949	18,989	19,017	19,078	19,125	19,171	19,217	19,141
	EXCLUDING FIRE PROTECTION	18,398	18,436	18,492	18,537	18,575	18,600	18,655	18,699	18,742	18,785	18,727
MDR II.A.1	Five Year Average Percentage Change in Customers NEW SERVICES (less fire protection)						0.224%	56	43	43	43	
MDR II.A.1	Percentage Change in Customers		0.20%	0.31%	0.25%	0.21%	0.15%	0.32%	0.24%	0.24%	0.24%	
	Percentage Change in Sevices		0.20%	0.31%	0.24%	0.20%	0.13%	0.30%	0.23%	0.23%	0.23%	
MDR II.F.3	Percentage of Flat to Total Customers (MDR.11.F.3)		0%	0%	0%	0%	0%	0%	0%	0%	0%	

Active Services
Residential, Business and Multiple Dwelling Units

WP4A1

110 - Livermore (LIV)

	RESIDENTIAL			BUSINESS			MULTIPLE DWELLING UNITS		
	EOY	INCR	AVG	EOY	INCR	AVG	EOY	INCR	AVG
RECORDED									
2018	17,044		17,044	1,002		1,002	99		99
2019	17,116	72	17,080	1,001	(1)	1,002	100	1	100
2020	17,164	48	17,140	995	(6)	998	101	1	101
2021	17,217	53	17,191	993	(2)	994	102	1	102
2022	17,242	25	17,230	994	1	994	102	0	102
2023	17,267	25	17,255	1,001	7	998	104	2	103
AVERAGE		45			(0)			1	
ESTIMATED									
2024	17,369	102	17,318	985	(16)	993	104	(0)	104
2025	17,359	(10)	17,364	998	13	991	106	2	105
2026	17,461	102	17,410	982	(16)	990	105	(0)	106
2027	17,451	(10)	17,456	995	13	989	107	2	106
AVERAGE ACTIVE SERVICE CONNECTIONS									
	2024	2025	2026	2027					
RESIDENTIAL	17,318	17,364	17,410	17,456					
BUSINESS	993	991	990	989					
MULTIPLE FAMILY	104	105	106	106					
INDUSTRIAL	0	0	0	0					
PUBLIC AUTHORITY	224	223	222	221					
OTHER	16	15	14	13					
IRRIGATION	0	0	0	0					
RECYCLED	0	0	0	0					
TOTAL	18,655	18,699	18,742	18,785					
RESIDENTIAL FLAT	0	0	0	0					
PRIVATE FIRE	382	385	388	391					
PUBLIC FIRE	41	41	41	41					
TOTAL	423	426	429	432					
TOTAL INCL FIRE	19,078	19,125	19,171	19,217					
TOTAL EXCL FIRE	18,655	18,699	18,742	18,785					

Active Services
Industrial, Public Authority and Other

WP4A2

110 - Livermore (LIV)

	<u>INDUSTRIAL</u>			<u>PUBLIC AUTHORITY</u>			<u>OTHER</u>			<u>IRRIGATION</u>			<u>RECYCLED</u>		
	EOY	INCR	AVG	EOY	INCR	AVG	EOY	INCR	AVG	EOY	INCR	AVG	EOY	INCR	AVG
RECORDED															
2018	0		0	230		230	23		23	0		0	0		0
2019	0	0	0	230	0	230	26	3	25	0	0	0	0	0	0
2020	0	0	0	230	0	230	21	(5)	24	0	0	0	0	0	0
2021	0	0	0	229	(1)	230	22	1	22	0	0	0	0	0	0
2022	0	0	0	228	(1)	229	21	(1)	22	0	0	0	0	0	0
2023	0	0	0	223	(5)	226	17	(4)	19	0	0	0	0	0	0
AVERAGE		0.0			(1.4)			(1.2)			0.0			0.0	
ESTIMATED															
2024	0	0	0	226	3	224	15	(2)	16	0	0	0	0	0	0
2025	0	0	0	221	(5)	223	15	0	15	0	0	0	0	0	0
2026	0	0	0	224	3	222	13	(2)	14	0	0	0	0	0	0
2027	0	0	0	218	(5)	221	13	0	13	0	0	0	0	0	0

Active Services
Residential Flats and Fire Protection

WP4A3

110 - Livermore (LIV)

	RESIDENTIAL FLAT			PRIVATE FIRE PROTECTION			PUBLIC FIRE PROTECTION		
	EOY	INCR	AVG	EOY	INCR	AVG	EOY	INCR	AVG
RECORDED									
2018	0		0	366		366	41		41
2019	0	0	0	367	1	367	41	0	41
2020	0	0	0	370	3	369	41	0	41
2021	0	0	0	372	2	371	41	0	41
2022	0	0	0	374	2	373	41	0	41
2023	0	0	0	379	5	377	41	0	41
AVERAGE		0.0			2.6			0.0	
ESTIMATED									
2024	0	0	0	385	6	382	41	0	41
2025	0	0	0	385	0	385	41	0	41
2026	0	0	0	391	6	388	41	0	41
2027	0	0	0	391	0	391	41	0	41

**Active Services
By Meter Size and Revenue Class**

WP4A4

110 - Livermore (LIV)

1	Residential Metered Services	2024	2025	2026	2027
	RESM				
	5/8 x 3/4"	12,234	12,267	12,299	12,332
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	1,652	1,656	1,661	1,665
	Fire Sprinkler w/ 1"	3,418	3,427	3,436	3,445
	1-1/2"	5	5	5	5
	2"	9	9	9	9
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	0	0	0	0
	6"	0	0	0	0
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	17,318	17,364	17,410	17,456
2	Non-Residential Metered Services	2024	2025	2026	2027
	NRES				
	5/8 x 3/4"	525	524	523	522
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	343	342	341	341
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	198	198	198	197
	2"	215	214	213	212
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	39	39	39	39
	4"	14	14	14	14
	6"	3	3	3	3
	8"	1	1	1	1
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	1,337	1,334	1,332	1,329

**Active Services
By Meter Size and Revenue Class**

WP4A4

110 - Livermore (LIV)

3	Business Services	2024	2025	2026	2027
	BUS				
	5/8 x 3/4"	491	490	489	488
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	273	272	272	271
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	120	120	120	119
	2"	99	99	99	99
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	8	8	8	8
	4"	2	2	2	2
	6"	0	0	0	0
	8"	1	1	1	1
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	993	991	990	989
4	Multi-Family Services	2024	2025	2026	2027
	MF				
	5/8 x 3/4"	2	2	2	2
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	7	7	7	7
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	32	32	32	33
	2"	41	41	42	42
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	15	15	15	15
	4"	6	6	6	6
	6"	1	1	1	1
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	104	105	106	106

**Active Services
By Meter Size and Revenue Class**

WP4A4

110 - Livermore (LIV)

5	Industrial Services	2024	2025	2026	2027
	IND				
	5/8 x 3/4"	0	0	0	0
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	0	0	0	0
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	0	0	0	0
	2"	0	0	0	0
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	0	0	0	0
	6"	0	0	0	0
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	0	0	0	0
6	Public Authority Services	2024	2025	2026	2027
	PA				
	5/8 x 3/4"	32	32	32	32
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	63	63	62	62
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	46	46	46	45
	2"	59	59	59	58
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	16	16	16	16
	4"	6	6	6	6
	6"	2	2	2	2
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	224	223	222	221

**Active Services
By Meter Size and Revenue Class**

WP4A4

110 - Livermore (LIV)

7	Other Services	2024	2025	2026	2027
	OTH				
	5/8 x 3/4"	0	0	0	0
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	0	0	0	0
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	0	0	0	0
	2"	16	15	14	13
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	0	0	0	0
	6"	0	0	0	0
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	16	15	14	13

8	Irrigation Services	2024	2025	2026	2027
	IRR				
	5/8 x 3/4"	0	0	0	0
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	0	0	0	0
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	0	0	0	0
	2"	0	0	0	0
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	0	0	0	0
	6"	0	0	0	0
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	0	0	0	0

**Active Services
By Meter Size and Revenue Class**

WP4A4

110 - Livermore (LIV)

9	Recycled Services	2024	2025	2026	2027
	RCYC				
	5/8 x 3/4"	0	0	0	0
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	0	0	0	0
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	0	0	0	0
	2"	0	0	0	0
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	0	0	0	0
	6"	0	0	0	0
	8"	0	0	0	0
	10"	0	0	0	0
	12"	0	0	0	0
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	0	0	0	0

11	Fire Protection Services	2024	2025	2026	2027
	PRF + PUF				
	5/8 x 3/4"	0	0	0	0
	3/4"	0	0	0	0
	Fire Sprinkler w/ 3/4"	0	0	0	0
	1"	2	2	2	2
	Fire Sprinkler w/ 1"	0	0	0	0
	1-1/2"	0	0	0	0
	2"	22	22	22	22
	Fire Sprinkler w/ 2"	0	0	0	0
	3"	0	0	0	0
	4"	79	80	80	81
	6"	138	139	140	141
	8"	167	168	169	171
	10"	2	2	2	2
	12"	13	13	13	13
	14"	0	0	0	0
	16"	0	0	0	0
	18"	0	0	0	0
	TOTAL	423	426	429	432

CHAPTER 3

RECORDED AND PROPOSED SALES AND SUPPLY

**Sales and Supply
Summary of Recorded and Proposed**

Table4-Supply

110 - Livermore (LIV)		RECORDED YEARS						PROPOSED TEST YEARS				Last Adopted
		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2023</u>
METERED SALES (CCF)												
	RESIDENTIAL	2,579,217	2,577,437	2,866,430	2,676,226	2,427,428	2,337,804	2,327,202	2,333,378	2,339,554	2,349,868	2,513,210
	BUSINESS	547,603	560,847	562,473	528,027	505,547	477,175	499,058	498,325	497,591	502,297	530,991
	MULTIPLE FAMILY	174,271	177,356	191,057	184,047	162,938	167,781	148,835	150,016	151,196	149,135	157,155
	INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0
	PUBLIC AUTHORITY	326,232	332,012	323,695	315,916	301,299	285,145	305,817	305,817	305,817	310,508	292,094
	OTHER	6,108	4,772	4,971	8,185	8,451	5,709	11,346	11,346	11,346	11,346	6,853
	IRRIGATION	4,368	4,245	2,659	4,772	4,054	2,868	0	0	0	0	0
	RECYCLED	0	0	0	0	0	0	0	0	0	0	0
MDR II.A.2	TOTAL	3,637,799	3,656,669	3,951,285	3,717,173	3,409,717	3,276,482	3,292,259	3,298,882	3,305,504	3,323,154	3,500,303
	FLAT RATE USE (CCF)	0	0	0	0	0	0	0	0	0	0	0
MDR II.E.2	UNACCOUNTED FOR WATER (CCF)	(166,760)	364,637	228,081	209,094	265,339	241,306	173,303	173,651	174,000	174,417	188,672
	TOTAL WATER SUPPLY (CCF)	3,471,039	4,021,306	4,179,366	3,926,267	3,675,056	3,517,788	3,465,562	3,472,533	3,479,504	3,497,572	3,688,975
	Pumped Water	1,044,438	426,262	541,611	604,857	924,445	1,141,755	1,038,718	1,040,808	1,042,897	1,048,312	837,397
	Purchased Water	2,426,601	3,595,044	3,637,755	3,321,410	2,750,610	2,376,034	2,426,843	2,431,725	2,436,607	2,449,259	2,851,578
	Recycled (Reclaimed) Water	0	0	0	0	0	0	0	0	0	0	0
	Surface Water	0	0	0	0	0	0	0	0	0	0	0
	Treated Water	0	0	0	0	0	0	0	0	0	0	0
	Raw water	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	3,471,039	4,021,306	4,179,366	3,926,267	3,675,056	3,517,788	3,465,562	3,472,533	3,479,504	3,497,572	3,688,975
	UNACCOUNTED FOR WATER, %	-4.80%	9.07%	5.46%	5.33%	7.22%	6.86%	5.00%	5.00%	5.00%	4.99%	5.11%
	5 YR AVG, FLAT RATE USE PER CUSTOMER						0.0					
	5 YR AVG, PURCHASES (include Reclaimed Water)						1,568,085.3					
	5 YR AVG, SURFACE SUPPLY						0.0					
	5 YR AVG. UNACCOUNTED FOR WATER %						6.79%					
												Last Adopted
MDR II.C.8	METERED SALES PER CUSTOMER PER YEAR (Ccf)	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2023</u>
	RESIDENTIAL	151.3	150.9	167.2	155.7	140.9	135.5	134.4	134.4	134.4	134.6	144.6
	BUSINESS	546.5	560.0	563.6	531.2	508.9	478.4	502.6	502.6	502.6	508.1	535.2
	MULTIPLE FAMILY	1,760.3	1,782.5	1,901.1	1,813.3	1,597.4	1,628.9	1,433.1	1,433.1	1,433.1	1,402.6	1,510.9
	INDUSTRIAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PUBLIC AUTHORITY	1,418.4	1,443.5	1,407.4	1,376.5	1,318.6	1,264.5	1,362.3	1,369.5	1,376.7	1,405.2	1,279.3
	OTHER	265.6	194.8	211.5	380.7	393.1	300.5	709.1	756.4	810.5	872.8	253.8
	IRRIGATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RECYCLED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MDR II.C.8	RESIDENTIAL FLAT RATE USE (EST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Sales
Residential, Business, and Multiple Dwelling Units

WP4B1

110 - Livermore (LIV)

	RESIDENTIAL			BUSINESS			MULTIPLE DWELLING UNITS		
	RESM KCCF	RESM AVG SVS	RESM CCF/SV	BUS KCCF	BUS AVG SVS	BUS CCF/SV	MF KCCF	MF AVG SVS	MF CCF/SV
RECORDED									
2018	2,579.2	17,044	151.3	547.6	1,002	546.5	174.3	99	1,760.3
2019	2,577.4	17,080	150.9	560.8	1,002	560.0	177.4	100	1,782.5
2020	2,866.4	17,140	167.2	562.5	998	563.6	191.1	101	1,901.1
2021	2,676.2	17,191	155.7	528.0	994	531.2	184.0	102	1,813.3
2022	2,427.4	17,230	140.9	505.5	994	508.9	162.9	102	1,597.4
2023	2,337.8	17,255	135.5	477.2	998	478.4	167.8	103	1,628.9
AVERAGE	2,577.1		150.0	526.8		528.4	176.6		1,744.6
ESTIMATED									
2024	2,327.2	17,318	134.4	499.1	993	502.6	148.8	104	1,433.1
2025	2,333.4	17,364	134.4	498.3	991	502.6	150.0	105	1,433.1
2026	2,339.6	17,410	134.4	497.6	990	502.6	151.2	106	1,433.1
2027	2,349.9	17,456	134.6	502.3	989	508.1	149.1	106	1,402.6

**Sales
Other Revenue Classes**

WP4B2

110 - Livermore (LIV)

	INDUSTRIAL			PUBLIC AUTHORITY			OTHER			IRRIGATION			RECYCLED		
	IND KCCF	IND AVG SVS	IND CCF/SV	PA KCCF	PA AVG SVS	PA CCF/SV	OTH KCCF	OTH AVG SVS	OTH CCF/SV	IRR KCCF	IRR AVG SVS	IRR CCF/SV	RCYC KCCF	RCYC AVG SVS	RCYC CCF/SV
RECORDED															
2018	0.0	0	0.0	326.2	230	1,418.4	6.1	23	265.6	4.4	0	0.0	0.0	0	0.0
2019	0.0	0	0.0	332.0	230	1,443.5	4.8	25	194.8	4.2	0	0.0	0.0	0	0.0
2020	0.0	0	0.0	323.7	230	1,407.4	5.0	24	211.5	2.7	0	0.0	0.0	0	0.0
2021	0.0	0	0.0	315.9	230	1,376.5	8.2	22	380.7	4.8	0	0.0	0.0	0	0.0
2022	0.0	0	0.0	301.3	229	1,318.6	8.5	22	393.1	4.1	0	0.0	0.0	0	0.0
2023	0.0	0	0.0	285.1	226	1,264.5	5.7	19	300.5	2.9	0	0.0	0.0	0	0.0
AVERAGE	0.0		0.0	311.6		1,362.1	6.4		296.1	3.7		0.0	0.0		0.0
ESTIMATED															
2024	0.0	0	0.0	305.8	224	1,362.3	11.3	16	709.1	0.00	0	0.0	0.0	0	0.0
2025	0.0	0	0.0	305.8	223	1,369.5	11.3	15	756.4	0.00	0	0.0	0.0	0	0.0
2026	0.0	0	0.0	305.8	222	1,376.7	11.3	14	810.5	0.00	0	0.0	0.0	0	0.0
2027	0.0	0	0.0	310.5	221	1,405.2	11.3	13	872.8	0.00	0	0.0	0.0	0	0.0

Source of Supply

WP4B4

110 - Livermore (LIV)

	Recorded Water Production (CCF)					Projected Water Production (CCF)				
	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
TOTAL PRODUCTION	4,021,306	4,179,366	3,926,267	3,675,056	3,517,788	3,465,562	3,472,533	3,479,504	3,497,572	3,515,528
Pumped Water	426,262	541,611	604,857	924,445	1,141,755	1,038,718	1,040,808	1,042,897	1,048,312	1,053,694
Purchased Water	3,595,044	3,637,755	3,321,410	2,750,610	2,376,034	2,426,843	2,431,725	2,436,607	2,449,259	2,461,834
Recycled (Reclaimed) Water	-	-	-	-	-	-	-	-	-	-
Surface Water	-	-	-	-	-	-	-	-	-	-
Treated Water	-	-	-	-	-	-	-	-	-	-
Raw water	-	-	-	-	-	-	-	-	-	-

CHAPTER 4

RECORDED AND PROPOSED REVENUES

Revenues - Recorded

Table4-Rec Rev

110 - Livermore (LIV)
California Water Service Company

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Last Adopted 2023</u>
METERED REVENUES							
RESIDENTIAL	\$ 14,959,742	\$ 15,017,938	\$ 16,603,790	\$ 18,116,700	\$ 17,872,440	\$ 18,012,550	\$ 20,891,392
BUSINESS	\$ 2,772,674	\$ 2,827,074	\$ 2,874,975	\$ 3,195,620	\$ 3,300,517	\$ 3,251,983	\$ 4,038,508
MULTIPLE FAMILY	\$ 883,346	\$ 899,086	\$ 993,531	\$ 1,094,670	\$ 1,065,842	\$ 1,121,940	\$ 1,221,365
INDUSTRIAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PUBLIC AUTHORITY	\$ 1,616,156	\$ 1,642,310	\$ 1,585,572	\$ 1,858,209	\$ 1,906,446	\$ 1,872,752	\$ 2,185,137
OTHER REVENUES	\$ 53,504	\$ 54,319	\$ 57,899	\$ 77,967	\$ 91,131	\$ 71,028	\$ 98,312
IRRIGATION	\$ 19,319	\$ 18,758	\$ 13,942	\$ 24,358	\$ 22,191	\$ 16,598	\$ -
RECYCLED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WRAM/MCBA	\$ 3,271,704	\$ 3,373,346	\$ 565,847	\$ 2,653,783	\$ 3,620,334	\$ -	\$ -
WRAM/MCBA INTEREST	\$ 66,504	\$ 69,306	\$ 20,961	\$ 4,084	\$ 143,361	\$ 340,006	\$ -
UNBILLED REV. ADJ.	\$ 184,355	\$ 88,832	\$ (42,191)	\$ (189,046)	\$ 67,346	\$ 76,194	\$ -
CONSERVATION REVENUE	\$ (269,882)	\$ 242,030	\$ (254,761)	\$ (200,656)	\$ 68,081	\$ 50,064	\$ -
BALANCING MEMO ACCOUNT REVENUE	\$ (231,919)	\$ (5,874)	\$ 2,733,813	\$ 103,121	\$ 371	\$ 2,485	\$ -
TOTAL	\$ 23,325,503	\$ 24,227,125	\$ 25,153,377	\$ 26,738,808	\$ 28,158,061	\$ 24,815,599	\$ 28,434,714
FLAT RATE REVENUES							
RESIDENTIAL FLAT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BUSINESS / PUBLIC AUTHORITY FLAT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PRIVATE FIRE PROTECTION	\$ 238,807	\$ 238,524	\$ 239,202	\$ 256,905	\$ 261,291	\$ 263,848	\$ 311,970
PUBLIC FIRE PROTECTION	\$ 30,396	\$ 30,396	\$ 30,396	\$ 32,510	\$ 32,720	\$ 32,720	\$ -
RENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OTHER	\$ 16,248	\$ 11,020	\$ 8,491	\$ 9,145	\$ 9,060	\$ 18,930	\$ 17,271
DEFERRED REV AMORT	\$ 2,934	\$ 4,809	\$ 4,045	\$ 7,049	\$ 5,669	\$ 9,262	\$ 5,258
TOTAL	\$ 288,385	\$ 284,749	\$ 282,134	\$ 305,609	\$ 308,741	\$ 324,760	\$ 334,499
MDR II.A.4 TOTAL OPERATING REVENUES	\$ 23,613,888	\$ 24,511,874	\$ 25,435,510	\$ 27,044,417	\$ 28,466,802	\$ 25,140,359	\$ 28,769,213

Revenues - Recorded

Table4-Rec Rev

110 - Livermore (LIV)

MDR II.A.5	REVENUES PER CUSTOMER	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2023</u>
	RESIDENTIAL	\$ 879	\$ 969	\$ 1,054	\$ 1,037	\$ 1,044	\$ 1,202
	BUSINESS	\$ 2,823	\$ 2,881	\$ 3,215	\$ 3,322	\$ 3,260	\$ 4,071
	MULTIPLE FAMILY	\$ 9,036	\$ 9,886	\$ 10,785	\$ 10,449	\$ 10,893	\$ 11,743
	INDUSTRIAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	PUBLIC AUTHORITY	\$ 7,140	\$ 6,894	\$ 8,097	\$ 8,343	\$ 8,305	\$ 9,571
	OTHER	\$ 2,217	\$ 2,464	\$ 3,626	\$ 4,239	\$ 3,738	\$ 3,641
	IRRIGATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	RECYCLED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	RESIDENTIAL FLAT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Revenues - At Present¹ and Proposed Rates

Table4-Prop Rev

COMMODITY REVENUE	2026		2027	
	PRESENT RATES	PROPOSED RATES	PRESENT RATES	PROPOSED RATES
QUANTITY REVENUE				
RESIDENTIAL	\$ 13,057,377	\$ 17,250,535	\$ 17,326,585	\$ 18,386,854
BUSINESS	\$ 3,370,037	\$ 3,668,940	\$ 3,703,639	\$ 3,930,275
MULTIPLE FAMILY	\$ 1,024,008	\$ 1,114,832	\$ 1,099,635	\$ 1,166,925
INDUSTRIAL	\$ -	\$ -	\$ -	\$ -
PUBLIC AUTHORITY	\$ 2,071,204	\$ 2,254,908	\$ 2,289,497	\$ 2,429,598
OTHER	\$ 76,845	\$ 83,661	\$ 83,661	\$ 88,781
IRRIGATION	\$ -	\$ -	\$ -	\$ -
RECYCLED	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 19,599,471	\$ 24,372,876	\$ 24,503,017	\$ 26,002,432
FIXED REVENUE				
SERVICE CHARGE	\$ 8,817,042	\$ 11,922,695	\$ 11,939,019	\$ 12,718,986
-RESM	\$ 7,376,248	\$ 8,848,833	\$ 8,872,191	\$ 9,450,473
-BUS	\$ 772,116	\$ 1,647,253	\$ 1,644,825	\$ 1,752,994
-MF	\$ 260,523	\$ 555,822	\$ 560,162	\$ 597,000
-IND	\$ -	\$ -	\$ -	\$ -
-PA	\$ 377,310	\$ 804,980	\$ 800,735	\$ 853,393
-OTH	\$ 30,845	\$ 65,807	\$ 61,107	\$ 65,125
-IRR	\$ -	\$ -	\$ -	\$ -
-RCYC	\$ -	\$ -	\$ -	\$ -
RESIDENTIAL FLAT	\$ -	\$ -	\$ -	\$ -
PRIVATE FIRE PROTECTION	\$ 323,552	\$ 348,121	\$ 350,539	\$ 365,202
PUBLIC FIRE PROTECTION	\$ -	\$ -	\$ -	\$ -
OTHER	\$ 17,866	\$ 17,866	\$ 17,235	\$ 17,866
TOTAL	9,158,459.25	12,288,681.03	12,306,793.38	13,102,053.42
MDR II.A.4 TOTAL OPERATING REVENUE	\$ 28,757,930	\$ 36,661,557	\$ 36,809,811	\$ 39,104,486
INCREASE - AMOUNT (\$)		\$ 7,903,627		\$ 2,294,675
- PERCENT (%)		27.48%		6.23%
MDR II.A.5 ANNUAL REVENUES PER CUSTOMER (IN \$)				
RESIDENTIAL	1,174	1,499	1,501	1,595
BUSINESS	4,184	5,370	5,410	5,749
MULTIPLE FAMILY	12,175	15,835	15,610	16,590
INDUSTRIAL	0	0	0	0
PUBLIC AUTHORITY	11,022	13,775	13,985	14,857
OTHER	7,692	10,676	11,136	11,839
IRRIGATION	0	0	0	0
RECYCLED	0	0	0	0
RESIDENTIAL FLAT	0	0	0	0

1. Revenue at Present Rates is calculated by applying the proposed sales and services for the test year to the rates in effect at the time the application is filed.

Employee Discount

WP4C3

110 - Livermore (LIV)

<u>Without Discount</u>	<u>Employee Discount</u>	<u>Total Billed to Employees</u>
\$ 4,653	\$ (1,163)	\$ 3,629

Deferred Revenue

WP4C6

110 - Livermore (LIV)

Other Revenues - Deferred Revenue	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
A BEGINNING OF YEAR BALANCE (PLEASE SEE "1" BELOW)	\$ 74,419	\$ 82,140	\$ 90,271	\$ 98,450	\$ 107,261
B ESTIMATED TAXABLE CIAC:					
TAXABLE STATE	\$ 26,818	\$ 26,818	\$ 26,818	\$ 26,818	\$ 26,818
TAXABLE FEDERAL (EXCLUDING FIRE SERVICES)	\$ 101,024	\$ 101,024	\$ 101,024	\$ 101,024	\$ 101,024
C ESTIMATED DEFERRED REVENUE FOR CIAC	\$ 15,880	\$ 15,880	\$ 15,880	\$ 15,880	\$ 15,880
D ESTIMATED AMORTIZATION:					
EXISTING BALANCE:					
2024	\$ 7,841				
2025		\$ 6,797			
2026			\$ 6,112		
2027				\$ 4,846	
2028					\$ 3,943
NEW ADDITIONS:					
2024 (AMORTIZATION RATE 1st YEAR = 2%)	\$ 318	\$ 635	\$ 635	\$ 635	\$ 635
2025 (AMORTIZATION RATE 2nd YEAR = 4%)		\$ 318	\$ 635	\$ 635	\$ 635
2026 (AMORTIZATION RATE 3rd YEAR = 4%)			\$ 318	\$ 635	\$ 635
2027 (AMORTIZATION RATE 4th YEAR = 4%)				\$ 318	\$ 635
2028 (AMORTIZATION RATE 5th YEAR = 4%)					\$ 318
TOTAL ESTIMATED AMORTIZATION	\$ 8,158	\$ 7,749	\$ 7,700	\$ 7,069	\$ 6,802
ESTIMATED ENDING BALANCE (A + C - D)	<u><u>\$ 82,140</u></u>	<u><u>\$ 90,271</u></u>	<u><u>\$ 98,450</u></u>	<u><u>\$ 107,261</u></u>	<u><u>\$ 116,339</u></u>

Deferred Revenue as of Dec. 2023 74,419

CHAPTER 5

RECORDED AND PROPOSED EXPENSES

Summary of O&M and A&G Expenses

TableSOMEX

110 - Livermore (LIV)

Summary of Earnings Key Description	Recorded					
	2018	2019	2020	2021	2022	2023
Oper Exp-Purchased Water	\$ 8,027,525	\$ 11,370,837	\$ 12,275,558	\$ 11,771,566	\$ 11,587,755	\$ 10,402,324
Oper Exp-Pump Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Purchased Power	\$ 516,069	\$ 307,066	\$ 388,783	\$ 428,098	\$ 589,817	\$ 704,411
Oper Exp-Purchased Chemicals	\$ 137,584	\$ 72,347	\$ 64,282	\$ 75,369	\$ 94,050	\$ 72,934
Oper Exp-Payroll	\$ 861,327	\$ 873,143	\$ 858,520	\$ 861,490	\$ 828,634	\$ 785,689
Oper Exp-Postage	\$ 71,222	\$ 66,505	\$ 57,918	\$ 63,949	\$ 64,917	\$ 69,215
Oper Exp-Transportation	\$ 110,093	\$ 130,208	\$ 115,726	\$ 124,459	\$ 132,664	\$ 118,888
Oper Exp-Uncollectibles	\$ 17,298	\$ 16,348	\$ 115,604	\$ (18,263)	\$ 46,333	\$ 214
Oper Exp-Conservation	\$ 190,821	\$ 714,063	\$ 219,816	\$ 292,851	\$ 652,268	\$ 602,710
Oper Exp-Purch Services - SS	\$ 8	\$ 885	\$ -	\$ -	\$ 13,987	\$ 5,987
Oper Exp-Purch Services - PU	\$ 71,900	\$ 68,794	\$ 25,994	\$ 40,515	\$ 91,659	\$ 31,659
Oper Exp-Purch Services - WT	\$ 126,955	\$ 72,030	\$ 50,433	\$ 49,167	\$ 104,803	\$ 144,384
Oper Exp-Purch Services - TD	\$ 88,267	\$ 146,880	\$ 239,331	\$ 189,181	\$ 133,194	\$ 154,426
Oper Exp-Purch Services - CA	\$ 252,914	\$ 255,457	\$ 203,697	\$ 330,454	\$ 507,774	\$ 600,618
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operation Expenses	\$ 10,471,985	\$ 14,094,563	\$ 14,615,663	\$ 14,208,835	\$ 14,847,856	\$ 13,693,459
Maint Exp-Payroll	\$ 191,414	\$ 235,223	\$ 248,273	\$ 246,884	\$ 269,138	\$ 359,143
Maint Exp-Transportation	\$ 36,953	\$ 51,846	\$ 45,841	\$ 46,319	\$ 57,765	\$ 50,921
Maint Exp-Stores	\$ 34,629	\$ 42,131	\$ 41,434	\$ 14,088	\$ 41,345	\$ 32,308
Maint Exp-Contracted Maint	\$ 310,370	\$ 82,593	\$ 128,078	\$ 145,637	\$ 242,752	\$ 488,573
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Maintenance Expenses	\$ 573,366	\$ 411,793	\$ 463,625	\$ 452,929	\$ 611,000	\$ 930,945
A&G Exp-Payroll	\$ 229,943	\$ 215,302	\$ 240,765	\$ 348,861	\$ 394,167	\$ 389,252
A&G Exp-Benefits	\$ 702,727	\$ 661,949	\$ 706,945	\$ 732,087	\$ 764,343	\$ 580,830
A&G Exp-Transportation	\$ -	\$ -	\$ -	\$ -	\$ 8,245	\$ 13,780
A&G Exp-Rents	\$ 36,000	\$ 51,260	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148
A&G Exp-Admin Chgs Trf	\$ (164,902)	\$ (184,257)	\$ (141,003)	\$ (153,583)	\$ (168,108)	\$ (176,873)
A&G Exp-Workers Compensation	\$ 15,168	\$ 20,363	\$ 11,241	\$ 13,571	\$ 16,787	\$ 20,969
A&G Exp-Non-specifics	\$ 32,418	\$ 59,333	\$ 53,043	\$ 32,118	\$ 55,313	\$ 68,672
Dues and Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total A & G Expenses	\$ 851,353	\$ 823,950	\$ 919,139	\$ 1,021,202	\$ 1,118,895	\$ 944,777
Rate Case Allocated CSS-Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Change	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Acquisition Synergies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Change	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operation, Maintenance and A&G Expenses	\$ 11,896,704	\$ 15,330,306	\$ 15,998,427	\$ 15,682,966	\$ 16,577,751	\$ 15,569,182

Summary of O&M and A&G Expenses

TableSOMEX

110 - Livermore (LIV)

Summary of Earnings Key Description	Expenses at Present Rates					Adopted Test	Proposed Test	Difference	% Change
	2024	2025	2026	2027	2028	Year 2023	Year 2026		
Oper Exp-Purchased Water	\$ 11,398,497	\$ 11,409,920	\$ 11,421,344	\$ 11,450,950	\$ 11,480,374	\$ 11,256,415	\$ 11,421,344	\$ 164,929	1.5%
Oper Exp-Pump Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Oper Exp-Purchased Power	\$ 858,482	\$ 860,209	\$ 861,936	\$ 866,412	\$ 994,987	\$ 558,978	\$ 861,936	\$ 302,958	54.2%
Oper Exp-Purchased Chemicals	\$ 130,815	\$ 132,598	\$ 152,183	\$ 175,583	\$ 202,674	\$ 122,387	\$ 152,183	\$ 29,797	24.3%
Oper Exp-Payroll	\$ 864,852	\$ 892,527	\$ 942,176	\$ 972,326	\$ 995,662	\$ 949,098	\$ 942,176	\$ (6,921)	-0.7%
Oper Exp-Postage	\$ 73,327	\$ 73,325	\$ 73,681	\$ 73,679	\$ 74,035	\$ 62,311	\$ 73,681	\$ 11,370	18.2%
Oper Exp-Transportation	\$ 132,391	\$ 133,927	\$ 162,627	\$ 186,663	\$ 214,364	\$ 140,021	\$ 162,627	\$ 22,606	16.1%
Oper Exp-Uncollectibles	\$ 23,435	\$ 23,480	\$ 23,526	\$ 30,109	\$ 32,116	\$ 17,626	\$ 23,526	\$ 5,900	33.5%
Oper Exp-Conservation	\$ 499,023	\$ 499,023	\$ 727,114	\$ 727,114	\$ 727,114	\$ 499,023	\$ 727,114	\$ 228,091	45.7%
Oper Exp-Purch Services - SS	\$ 4,066	\$ 4,113	\$ 4,711	\$ 5,407	\$ 6,210	\$ 224	\$ 4,711	\$ 4,487	2002.5%
Oper Exp-Purch Services - PU	\$ 54,683	\$ 55,317	\$ 63,361	\$ 72,725	\$ 83,518	\$ 62,732	\$ 63,361	\$ 628	1.0%
Oper Exp-Purch Services - WT	\$ 163,286	\$ 164,298	\$ 212,155	\$ 227,091	\$ 244,303	\$ 142,591	\$ 212,155	\$ 69,564	48.8%
Oper Exp-Purch Services - TD	\$ 185,472	\$ 187,624	\$ 214,904	\$ 246,667	\$ 283,272	\$ 173,174	\$ 214,904	\$ 41,730	24.1%
Oper Exp-Purch Services - CA	\$ 391,041	\$ 395,577	\$ 509,344	\$ 576,312	\$ 653,489	\$ 294,098	\$ 509,344	\$ 215,246	73.2%
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Total Operation Expenses	\$ 14,779,370	\$ 14,831,940	\$ 15,369,062	\$ 15,611,038	\$ 15,992,118	\$ 14,278,678	\$ 15,369,062	\$ 1,090,383	7.6%
Maint Exp-Payroll	\$ 395,329	\$ 407,980	\$ 430,675	\$ 444,456	\$ 455,123	\$ 274,467	\$ 430,675	\$ 156,207	56.9%
Maint Exp-Transportation	\$ 53,628	\$ 54,250	\$ 62,138	\$ 71,322	\$ 81,907	\$ 49,958	\$ 62,138	\$ 12,180	24.4%
Maint Exp-Stores	\$ 36,793	\$ 37,220	\$ 42,632	\$ 48,933	\$ 56,194	\$ 46,952	\$ 42,632	\$ (4,320)	-9.2%
Maint Exp-Contracted Maint	\$ 450,134	\$ 448,671	\$ 420,537	\$ 458,372	\$ 501,975	\$ 447,224	\$ 420,537	\$ (26,687)	-6.0%
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Total Maintenance Expenses	\$ 935,885	\$ 948,121	\$ 955,982	\$ 1,023,083	\$ 1,095,199	\$ 818,601	\$ 955,982	\$ 137,381	16.8%
A&G Exp-Payroll	\$ 428,471	\$ 442,182	\$ 466,780	\$ 481,717	\$ 493,278	\$ 266,167	\$ 466,780	\$ 200,613	75.4%
A&G Exp-Benefits	\$ 319,951	\$ 389,189	\$ 407,933	\$ 432,275	\$ 456,618	\$ 430,067	\$ 407,933	\$ (22,134)	-5.1%
A&G Exp-Transportation	\$ 4,251	\$ 4,300	\$ 4,925	\$ 5,653	\$ 6,492	\$ -	\$ 4,925	\$ 4,925	0.0%
A&G Exp-Rents	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ (0)	0.0%
A&G Exp-Admin Chgs Trf	\$ (170,682)	\$ (172,662)	\$ (197,767)	\$ (226,997)	\$ (260,683)	\$ (160,462)	\$ (197,767)	\$ (37,305)	23.2%
A&G Exp-Workers Compensation	\$ 19,302	\$ 18,853	\$ 18,581	\$ 18,269	\$ 19,896	\$ 22,506	\$ 18,581	\$ (3,926)	-17.4%
A&G Exp-Non-specifics	\$ 53,326	\$ 53,945	\$ 61,788	\$ 70,921	\$ 81,445	\$ 64,709	\$ 61,788	\$ (2,921)	-4.5%
Dues and Donations	\$ (63)	\$ (63)	\$ (73)	\$ (83)	\$ (96)	\$ (3,059)	\$ (73)	\$ 2,987	-97.6%
Total A & G Expenses	\$ 702,704	\$ 783,893	\$ 810,315	\$ 829,902	\$ 845,098	\$ 668,076	\$ 810,315	\$ 142,239	21.3%
Rate Case Allocated CSS-Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
% Change	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Acquisition Synergies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
% Change	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Operation, Maintenance and A&G Expenses	\$ 16,417,958	\$ 16,563,954	\$ 17,135,358	\$ 17,464,023	\$ 17,932,415	\$ 15,765,355	\$ 17,135,358	\$ 1,370,003	8.7%

Summary of O&M and A&G Expenses

TableSOMEX

110 - Livermore (LIV)

Summary of Earnings Key Description	Recorded						Projected				
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Oper Exp-Purchased Water	\$ 436,326.0	\$ 616,790.3	\$ 663,830.7	\$ 635,030.8	\$ 623,836.1	\$ 559,279.8	\$ 611,003.4	\$ 610,204.4	\$ 609,409.0	\$ 609,585.2	\$ 609,751.0
Oper Exp-Pump Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Purchased Power	\$ 28,050.3	\$ 16,656.3	\$ 21,024.4	\$ 23,094.2	\$ 31,753.3	\$ 37,872.6	\$ 46,018.0	\$ 46,004.1	\$ 45,990.3	\$ 46,123.0	\$ 52,846.2
Oper Exp-Purchased Chemicals	\$ 7,478.2	\$ 3,924.3	\$ 3,476.2	\$ 4,065.9	\$ 5,063.2	\$ 3,921.3	\$ 7,012.2	\$ 7,091.4	\$ 8,120.0	\$ 9,347.1	\$ 10,764.5
Oper Exp-Payroll	\$ 46,816.3	\$ 47,362.1	\$ 46,426.6	\$ 46,474.1	\$ 44,610.2	\$ 42,242.5	\$ 46,359.4	\$ 47,732.5	\$ 50,271.7	\$ 51,761.2	\$ 52,882.0
Oper Exp-Postage	\$ 3,871.2	\$ 3,607.4	\$ 3,132.0	\$ 3,449.8	\$ 3,494.8	\$ 3,721.4	\$ 3,930.6	\$ 3,921.4	\$ 3,931.4	\$ 3,922.3	\$ 3,932.2
Oper Exp-Transportation	\$ 5,984.0	\$ 7,062.9	\$ 6,258.2	\$ 6,714.1	\$ 7,142.1	\$ 6,392.0	\$ 7,096.7	\$ 7,162.4	\$ 8,677.3	\$ 9,936.9	\$ 11,385.4
Oper Exp-Uncollectibles	\$ 940.2	\$ 886.7	\$ 6,251.6	\$ (985.2)	\$ 2,494.4	\$ 11.5	\$ 1,256.2	\$ 1,255.7	\$ 1,255.3	\$ 1,602.9	\$ 1,705.8
Oper Exp-Conservation	\$ 10,371.8	\$ 38,733.0	\$ 11,887.1	\$ 15,798.2	\$ 35,115.4	\$ 32,404.7	\$ 26,749.6	\$ 26,687.8	\$ 38,796.7	\$ 38,707.5	\$ 38,618.8
Oper Exp-Purch Services - SS	\$ 0.4	\$ 48.0	\$ -	\$ -	\$ 753.0	\$ 321.9	\$ 217.9	\$ 220.0	\$ 251.4	\$ 287.9	\$ 329.8
Oper Exp-Purch Services - PU	\$ 3,908.0	\$ 3,731.6	\$ 1,405.7	\$ 2,185.6	\$ 4,934.5	\$ 1,702.2	\$ 2,931.2	\$ 2,958.4	\$ 3,380.7	\$ 3,871.5	\$ 4,435.8
Oper Exp-Purch Services - WT	\$ 6,900.5	\$ 3,907.1	\$ 2,727.3	\$ 2,652.4	\$ 5,642.2	\$ 7,762.8	\$ 8,752.8	\$ 8,786.7	\$ 11,320.0	\$ 12,089.1	\$ 12,975.6
Oper Exp-Purch Services - TD	\$ 4,797.6	\$ 7,967.2	\$ 12,942.4	\$ 10,205.6	\$ 7,170.6	\$ 8,302.7	\$ 9,942.0	\$ 10,034.1	\$ 11,466.6	\$ 13,131.2	\$ 15,045.3
Oper Exp-Purch Services - CA	\$ 13,746.8	\$ 13,856.8	\$ 11,015.4	\$ 17,826.7	\$ 27,336.4	\$ 32,292.2	\$ 20,961.3	\$ 21,155.5	\$ 27,177.1	\$ 30,679.6	\$ 34,708.4
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operation Expenses	\$ 569,191.5	\$ 764,533.8	\$ 790,377.6	\$ 766,512.1	\$ 799,346.2	\$ 736,227.3	\$ 792,231.3	\$ 793,214.5	\$ 820,047.5	\$ 831,045.3	\$ 849,380.8
Maint Exp-Payroll	\$ 10,404.1	\$ 12,759.2	\$ 13,426.0	\$ 13,318.4	\$ 14,489.3	\$ 19,309.3	\$ 21,191.2	\$ 21,818.8	\$ 22,979.5	\$ 23,660.4	\$ 24,172.7
Maint Exp-Transportation	\$ 2,008.5	\$ 2,812.3	\$ 2,478.9	\$ 2,498.7	\$ 3,109.8	\$ 2,737.8	\$ 2,874.7	\$ 2,901.3	\$ 3,315.5	\$ 3,796.8	\$ 4,350.3
Maint Exp-Stores	\$ 1,882.2	\$ 2,285.3	\$ 2,240.6	\$ 760.0	\$ 2,225.8	\$ 1,737.0	\$ 1,972.3	\$ 1,990.5	\$ 2,274.7	\$ 2,604.9	\$ 2,984.6
Maint Exp-Contracted Maint	\$ 16,869.8	\$ 4,480.1	\$ 6,926.1	\$ 7,856.6	\$ 13,068.8	\$ 26,268.0	\$ 24,128.9	\$ 23,995.0	\$ 22,438.6	\$ 24,401.2	\$ 26,661.1
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Maintenance Expenses	\$ 31,164.6	\$ 22,337.0	\$ 25,071.7	\$ 24,433.8	\$ 32,893.7	\$ 50,052.2	\$ 50,167.0	\$ 50,705.7	\$ 51,008.4	\$ 54,463.3	\$ 58,168.7
A&G Exp-Payroll	\$ 12,498.3	\$ 11,678.7	\$ 13,020.0	\$ 18,819.7	\$ 21,220.3	\$ 20,928.1	\$ 22,967.7	\$ 23,648.0	\$ 24,906.0	\$ 25,643.9	\$ 26,199.2
A&G Exp-Benefits	\$ 38,195.9	\$ 35,906.2	\$ 38,229.8	\$ 39,493.3	\$ 41,149.0	\$ 31,228.2	\$ 17,150.6	\$ 20,813.9	\$ 21,766.1	\$ 23,011.9	\$ 24,252.1
A&G Exp-Transportation	\$ -	\$ -	\$ -	\$ -	\$ 443.9	\$ 740.9	\$ 227.9	\$ 230.0	\$ 262.8	\$ 300.9	\$ 344.8
A&G Exp-Rents	\$ 1,956.7	\$ 2,780.5	\$ 2,603.7	\$ 2,597.4	\$ 2,592.1	\$ 2,588.7	\$ 2,580.9	\$ 2,575.0	\$ 2,569.0	\$ 2,563.1	\$ 2,557.3
A&G Exp-Admin Chgs Trf	\$ (8,963.0)	\$ (9,994.7)	\$ (7,625.1)	\$ (8,285.2)	\$ (9,050.2)	\$ (9,509.5)	\$ (9,149.2)	\$ (9,234.0)	\$ (10,552.3)	\$ (12,084.1)	\$ (13,845.5)
A&G Exp-Workers Compensation	\$ 824.4	\$ 1,104.5	\$ 607.9	\$ 732.1	\$ 903.7	\$ 1,127.4	\$ 1,034.6	\$ 1,008.3	\$ 991.4	\$ 972.5	\$ 1,056.7
A&G Exp-Non-specifics	\$ 1,762.0	\$ 3,218.4	\$ 2,868.4	\$ 1,732.6	\$ 2,977.8	\$ 3,692.2	\$ 2,858.5	\$ 2,885.0	\$ 3,296.8	\$ 3,775.4	\$ 4,325.8
Dues and Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3.4)	\$ (3.4)	\$ (3.9)	\$ (4.4)	\$ (5.1)
Total A & G Expenses	\$ 46,274.2	\$ 44,693.7	\$ 49,704.7	\$ 55,089.9	\$ 60,236.6	\$ 50,795.8	\$ 37,667.6	\$ 41,922.7	\$ 43,236.0	\$ 44,179.4	\$ 44,885.2
Rate Case Allocated CSS-Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Change											
Acquisition Synergies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
% Change											
Total Operation, Maintenance and A&G Expenses	\$ 646,630.3	\$ 831,564.4	\$ 865,154.0	\$ 846,035.8	\$ 892,476.5	\$ 837,075.3	\$ 880,066.0	\$ 885,842.9	\$ 914,291.9	\$ 929,688.0	\$ 952,434.7

Summary of O&M and A&G Expenses

110 - Livermore (LIV)

Summary of Earnings Key Description		Recorded					
		2018	2019	2020	2021	2022	2023
Minimum Data Requirements							
MDR II.B.10	A&G Payroll Expense	\$ 229,943	\$ 215,302	\$ 240,765	\$ 348,861	\$ 394,167	\$ 389,252
MDR II.B.10	Operating Payroll Expense	\$ 861,327	\$ 873,143	\$ 858,520	\$ 861,490	\$ 828,634	\$ 785,689
MDR II.B.10	Maintenance Payroll Expense	\$ 191,414	\$ 235,223	\$ 248,273	\$ 246,884	\$ 269,138	\$ 359,143
	Capitalized Payroll (based on actual capital ratio per Year)	\$ 302,842	\$ 561,466	\$ 575,842	\$ 294,276	\$ 351,101	\$ 629,202
MDR II.B.8	Total Payroll	\$ 1,585,526	\$ 1,885,135	\$ 1,923,401	\$ 1,751,511	\$ 1,843,041	\$ 2,163,285
	A&G Transportation Expense	\$ -	\$ -	\$ -	\$ -	\$ 8,245	\$ 13,780
	Operation Transportation Expense	\$ 110,093	\$ 130,208	\$ 115,726	\$ 124,459	\$ 132,664	\$ 118,888
	Maintenance Transportation Expense	\$ 36,953	\$ 51,846	\$ 45,841	\$ 46,319	\$ 57,765	\$ 50,921
	Total Transportation Expense	\$ 147,046	\$ 182,054	\$ 161,567	\$ 170,779	\$ 198,674	\$ 183,589
	Total Revenues - Present Rates	\$ 23,613,888	\$ 24,511,874	\$ 25,435,510	\$ 27,044,417	\$ 28,466,802	\$ 25,140,359
	Total Revenues Per Customer	\$ 1,283.50	\$ 1,329.60	\$ 1,375.49	\$ 1,458.94	\$ 1,532.53	\$ 1,351.67
	Uncollectibles % - Present Rates	0.0733%	0.0667%	0.4545%	-0.0675%	0.1628%	0.0008%
	5 Year Average Uncollectibles %						0.123%
	# of Customers	18,398	18,436	18,492	18,537	18,575	18,600
MDR II.B.1	Total Operations Expenses	\$ 10,471,985	\$ 14,094,563	\$ 14,615,663	\$ 14,208,835	\$ 14,847,856	\$ 13,693,459
	% Change in Total Operations Expense		34.6%	3.7%	-2.8%	4.5%	-7.8%
MDR II.B.2	Total Operations Expense Per Customer	\$ 569.2	\$ 764.5	\$ 790.4	\$ 766.5	\$ 799.3	\$ 736.2
	% Change in Total Operations Expense Per Customer		34.3%	3.4%	-3.0%	4.3%	-7.9%
MDR II.B.1 & 3	Total Maintenance Expenses	\$ 573,366	\$ 411,793	\$ 463,625	\$ 452,929	\$ 611,000	\$ 930,945
MDR II.B.1 & 3	% Change in Total Maintenance Expense		-28.2%	12.6%	-2.3%	34.9%	52.4%
MDR II.B.4	Total Maintenance Expense Per Customer	\$ 31.2	\$ 22.3	\$ 25.1	\$ 24.4	\$ 32.9	\$ 50.1
MDR II.B.4	% Change in Total Maintenance Expense Per Customer		-28.3%	12.2%	-2.5%	34.6%	52.2%
MDR II.B.5	Total A&G Expenses	\$ 851,353	\$ 823,950	\$ 919,139	\$ 1,021,202	\$ 1,118,895	\$ 944,777
MDR II.B.5	% Change in Total A&G Expense		-3.2%	11.6%	11.1%	9.6%	-15.6%
MDR II.B.6	Total A&G Expense Per Customer (\$'s)	\$ 46.3	\$ 44.7	\$ 49.7	\$ 55.1	\$ 60.2	\$ 50.8
MDR II.B.6	% Change in Total A&G Expense Per Customer		-3.4%	11.2%	10.8%	9.3%	-15.7%
MDR II.A.7	Total # of Employees - LIV		16	17	14	15	15
MDR II.A.7	% Change in District Employees		0.0%	6.3%	-17.6%	7.1%	0.0%
MDR II.B.7	Employees Per 1,000 Customers	0.0	0.9	0.9	0.8	0.8	0.8
MDR II.B.7	% Change in District Employees Per 1,000 Customers		0.0%	5.9%	-17.8%	6.9%	-0.1%
MDR II.B.9 & 11	Employees Payroll Exp Per 1,000 Customers	86,179	102,256	104,013	94,487	99,222	116,309
MDR II.B.8	% Change in Employees Total Payroll Expenses		18.9%	2.0%	-8.9%	5.2%	17.4%
MDR II.B.9 & 11	% Change in Employees Payroll Exp. Per 1,000 Customer		18.7%	1.7%	-9.2%	5.0%	17.2%
	% Change in Capitalized Payroll		85.4%	2.6%	-48.9%	19.3%	79.2%
MDR II.B.10	% Change in expensed Payroll		3.2%	1.8%	8.1%	2.4%	2.8%
For CSS Only							
	Supervisory, Managerial and Exec Employees		0	0	0	0	0
	Supervisory, Managerial and Exec Employees Per Thousand Customers		0.00	0.00	0.00	0.00	0.00

Summary of O&M and A&G Expenses

110 - Livermore (LIV)

Summary of Earnings Key Description		Projected					Adopted TY	Proposed TY
		2024	2025	2026	2027	2028	2023	2026
Minimum Data Requirements								
MDR II.B.10	A&G Payroll Expense	\$ 428,471	\$ 442,182	\$ 466,780	\$ 481,717	\$ 493,278	\$ 266,167	\$ 466,780
MDR II.B.10	Operating Payroll Expense	\$ 864,852	\$ 892,527	\$ 942,176	\$ 972,326	\$ 995,662	\$ 949,098	\$ 942,176
MDR II.B.10	Maintenance Payroll Expense	\$ 395,329	\$ 407,980	\$ 430,675	\$ 444,456	\$ 455,123	\$ 274,467	\$ 430,675
	Capitalized Payroll (based on actual capital ratio per Year)	\$ 536,725	\$ 553,901	\$ 584,713	\$ 603,423	\$ 617,906	\$ 221,940	\$ 584,713
MDR II.B.8	Total Payroll	\$ 2,225,378	\$ 2,296,590	\$ 2,424,343	\$ 2,501,922	\$ 2,561,968	\$ 1,711,671	\$ 2,424,343
	A&G Transportation Expense	\$ 4,251	\$ 4,300	\$ 4,925	\$ 5,653	\$ 6,492	\$ -	\$ 4,925
	Operation Transportation Expense	\$ 132,391	\$ 133,927	\$ 162,627	\$ 186,663	\$ 214,364	\$ 140,021	\$ 162,627
	Maintenance Transportation Expense	\$ 53,628	\$ 54,250	\$ 62,138	\$ 71,322	\$ 81,907	\$ 49,958	\$ 62,138
	Total Transportation Expense	\$ 190,270	\$ 192,477	\$ 229,690	\$ 263,638	\$ 302,762	\$ 189,979	\$ 229,690
	Total Revenues - Present Rates	\$ 28,646,553	\$ 28,702,062	\$ 28,757,930	\$ 36,809,811	\$ 39,260,728	\$ 17,271	\$ 28,757,930
	Total Revenues Per Customer	\$ 1,535.57	\$ 1,534.99	\$ 1,534.44	\$ 1,959.55	\$ 2,085.23	\$ 0.92	\$ 1,534.44
	Uncollectibles % - Present Rates	0.0818%	0.0818%	0.0818%	0.0818%	0.0818%	0.0000%	0.0818%
	5 Year Average Uncollectibles %							
	# of Customers	18,655	18,699	18,742	18,785	18,828	18,727	18,741.7
MDR II.B.1	Total Operations Expenses	\$ 14,779,370	\$ 14,831,940	\$ 15,369,062	\$ 15,611,038	\$ 15,992,118	\$ 14,278,678	\$ 15,369,062
	% Change in Total Operations Expense	7.9%	0.4%	3.6%	1.6%	2.4%	0.0%	3.6%
MDR II.B.2	Total Operations Expense Per Customer	\$ 792.2	\$ 793.2	\$ 820.0	\$ 831.0	\$ 849.4	\$ 762.5	\$ 820.0
	% Change in Total Operations Expense Per Customer	7.6%	0.1%	3.4%	1.3%	2.2%	0.0%	3.4%
MDR II.B.1 & 3	Total Maintenance Expenses	\$ 935,885	\$ 948,121	\$ 955,982	\$ 1,023,083	\$ 1,095,199	\$ 818,601	\$ 955,982
MDR II.B.1 & 3	% Change in Total Maintenance Expense	0.5%	1.3%	0.8%	7.0%	7.0%	0.0%	0.8%
MDR II.B.4	Total Maintenance Expense Per Customer	\$ 50.2	\$ 50.7	\$ 51.0	\$ 54.5	\$ 58.2	\$ 43.7	\$ 51.0
MDR II.B.4	% Change in Total Maintenance Expense Per Customer	0.2%	1.1%	0.6%	6.8%	6.8%	0.0%	0.0
MDR II.B.5	Total A&G Expenses	\$ 702,704	\$ 783,893	\$ 810,315	\$ 829,902	\$ 845,098	\$ 668,076	\$ 810,315
MDR II.B.5	% Change in Total A&G Expense	-25.6%	11.6%	3.4%	2.4%	1.8%	0.0%	3.4%
MDR II.B.6	Total A&G Expense Per Customer (\$'s)	\$ 37.7	\$ 41.9	\$ 43.2	\$ 44.2	\$ 44.9	\$ 35.7	\$ 43.2
MDR II.B.6	% Change in Total A&G Expense Per Customer	-25.8%	11.3%	3.1%	2.2%	1.6%	0.0%	3.1%
MDR II.A.7	Total # of Employees - LIV	15	15	17	17	17	17	17.0
MDR II.A.7	% Change in District Employees	0.0%	0.0%	13.3%	0.0%	0.0%	0.0%	13.3%
MDR II.B.7	Employees Per 1,000 Customers	0.8	0.8	0.9	0.9	0.9	0.9	0.9
MDR II.B.7	% Change in District Employees Per 1,000 Customers	-0.3%	-0.2%	13.1%	-0.2%	-0.2%	0.0%	13.1%
MDR II.B.9 & 11	Employees Payroll Exp Per 1,000 Customers	119,289	122,822	129,356	133,188	136,072	91,402	129,356
MDR II.B.8	% Change in Employees Total Payroll Expenses	2.9%	3.2%	5.6%	3.2%	2.4%	0.0%	5.6%
MDR II.B.9 & 11	% Change in Employees Payroll Exp. Per 1,000 Customer	2.6%	3.0%	5.3%	3.0%	2.2%	0.0%	5.3%
	% Change in Capitalized Payroll	-14.7%	3.2%	5.6%	3.2%	2.4%	0.0%	5.6%
MDR II.B.10	% Change in expensed Payroll	10.1%	3.2%	5.6%	3.2%	2.4%	0.0%	5.6%
For CSS Only								
	Supervisory, Managerial and Exec Employees	0	0	0	0	0	0	0.0
	Supervisory, Managerial and Exec Employees Per Thousand Customers	0.00	0.00	0.00	0.00	0.00	0.00	0.00

110 - Livermore (LIV)

CH05O&M RO, WS3

CH05O&M RO, IN Proj O&M Adj

SOE Description	Adjustment Description	Escalated Forecast - Unadjusted					Forecast Adjustments					Feeder File Name Link	Escalated Forecast - Adjusted				
		2024	2025	2026	2027	2028	2024	2025	2026	2027	2028		2024	2025	2026	2027	2028
Oper Exp-Purchased Water	CH05_OM_FDR_All Production.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,398,497	\$ 11,409,920	\$ 11,421,344	\$ 11,450,950	\$ 11,480,374	Y	\$ 11,398,497	\$ 11,409,920	\$ 11,421,344	\$ 11,450,950	\$ 11,480,374
Oper Exp-Pump Tax	CH05_OM_FDR_All Production.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Purchased Power	CH05_OM_FDR_All Production.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 858,482	\$ 860,209	\$ 861,936	\$ 866,412	\$ 994,987	Y	\$ 858,482	\$ 860,209	\$ 861,936	\$ 866,412	\$ 994,987
Oper Exp-Purchased Chemicals	CH05_OM_FDR_All Production.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,815	\$ 132,598	\$ 152,183	\$ 175,583	\$ 202,674	Y	\$ 130,815	\$ 132,598	\$ 152,183	\$ 175,583	\$ 202,674
Oper Exp-Payroll	CH05_OM_FDR_AG.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 864,852	\$ 892,527	\$ 942,176	\$ 972,326	\$ 995,662	Y	\$ 864,852	\$ 892,527	\$ 942,176	\$ 972,326	\$ 995,662
Oper Exp-Postage	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 73,327	\$ 73,325	\$ 73,681	\$ 73,679	\$ 74,035	Y	\$ 73,327	\$ 73,325	\$ 73,681	\$ 73,679	\$ 74,035
Oper Exp-Transportation	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 132,391	\$ 133,927	\$ 162,627	\$ 186,663	\$ 214,364		\$ 132,391	\$ 133,927	\$ 162,627	\$ 186,663	\$ 214,364
Oper Exp-Uncollectibles	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Y-0	\$ -	\$ -	\$ -	\$ -	\$ -
Oper Exp-Conservation	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 499,023	\$ 499,023	\$ 727,114	\$ 727,114	\$ 727,114	Y	\$ 499,023	\$ 499,023	\$ 727,114	\$ 727,114	\$ 727,114
Oper Exp-Purch Services - SS	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,066	\$ 4,113	\$ 4,711	\$ 5,407	\$ 6,210		\$ 4,066	\$ 4,113	\$ 4,711	\$ 5,407	\$ 6,210
Oper Exp-Purch Services - PU	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,683	\$ 55,317	\$ 63,361	\$ 72,725	\$ 83,518		\$ 54,683	\$ 55,317	\$ 63,361	\$ 72,725	\$ 83,518
Oper Exp-Purch Services - WT	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 163,286	\$ 164,298	\$ 212,155	\$ 227,091	\$ 244,303	Y	\$ 163,286	\$ 164,298	\$ 212,155	\$ 227,091	\$ 244,303
Oper Exp-Purch Services - TD	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,472	\$ 187,624	\$ 214,904	\$ 246,667	\$ 283,272		\$ 185,472	\$ 187,624	\$ 214,904	\$ 246,667	\$ 283,272
Oper Exp-Purch Services - CA	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 391,041	\$ 395,577	\$ 509,344	\$ 576,312	\$ 653,489		\$ 391,041	\$ 395,577	\$ 509,344	\$ 576,312	\$ 653,489
Maint Exp-Payroll	CH05_OM_FDR_AG.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 395,329	\$ 407,980	\$ 430,675	\$ 444,456	\$ 455,123	Y	\$ 395,329	\$ 407,980	\$ 430,675	\$ 444,456	\$ 455,123
Maint Exp-Transportation	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,628	\$ 54,250	\$ 62,138	\$ 71,322	\$ 81,907		\$ 53,628	\$ 54,250	\$ 62,138	\$ 71,322	\$ 81,907
Maint Exp-Stores	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,793	\$ 37,220	\$ 42,632	\$ 48,933	\$ 56,194		\$ 36,793	\$ 37,220	\$ 42,632	\$ 48,933	\$ 56,194
Maint Exp-Contracted Maint	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,134	\$ 448,671	\$ 420,537	\$ 458,372	\$ 501,975	Y	\$ 450,134	\$ 448,671	\$ 420,537	\$ 458,372	\$ 501,975
A&G Exp-Payroll	CH05_OM_FDR_AG.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 428,471	\$ 442,182	\$ 466,780	\$ 481,717	\$ 493,278	Y	\$ 428,471	\$ 442,182	\$ 466,780	\$ 481,717	\$ 493,278
A&G Exp-Benefits	CH05_OM_FDR_AG.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 319,951	\$ 389,189	\$ 407,933	\$ 432,275	\$ 456,618	Y	\$ 319,951	\$ 389,189	\$ 407,933	\$ 432,275	\$ 456,618
A&G Exp-Transportation	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,251	\$ 4,300	\$ 4,925	\$ 5,653	\$ 6,492		\$ 4,251	\$ 4,300	\$ 4,925	\$ 5,653	\$ 6,492
A&G Exp-Rents	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	Y	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148
A&G Exp-Admin Chgs Trf	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (170,682)	\$ (172,662)	\$ (197,767)	\$ (226,997)	\$ (260,683)	Y	\$ (170,682)	\$ (172,662)	\$ (197,767)	\$ (226,997)	\$ (260,683)
A&G Exp-Workers Compensation	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,302	\$ 18,853	\$ 18,581	\$ 18,269	\$ 19,896	Y	\$ 19,302	\$ 18,853	\$ 18,581	\$ 18,269	\$ 19,896
A&G Exp-Non-specifics	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,326	\$ 53,945	\$ 61,788	\$ 70,921	\$ 81,445	Y	\$ 53,326	\$ 53,945	\$ 61,788	\$ 70,921	\$ 81,445
A&G Exp-Dues and Donations	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (63)	\$ (63)	\$ (73)	\$ (83)	\$ (96)	Y	\$ (63)	\$ (63)	\$ (73)	\$ (83)	\$ (96)
Exp-Chrome VI Amortization (2020 thru	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Rate Case Allocated CSS-O&M	CH05_OM_FDR_Benefits_Payroll.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
Acquisition Synergies	CH05_OM_FDR_Other OM.xlsx	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -

Payroll Expense Estimate

WP5B1

110 - Livermore (LIV)

		Estimated Total Payroll Expenses				
		2023	2024	2025	2026	2027
	%TOTAL					
RECORDED (with Adjustments)		\$ 1,629,974				
FACTORS*			1.036	1.032	1.032	1.032
ESTIMATED		\$ 1,688,653	\$ 1,742,690	\$ 1,839,631	\$ 1,898,499	
OPERATION	51.22%	785,689	864,852	892,527	942,176	972,326
MAINTENANCE	23.41%	359,143	395,329	407,980	430,675	444,456
A&G	25.37%	389,252	428,471	442,182	466,780	481,717
	100.00%	\$ 1,534,083	\$ 1,688,653	\$ 1,742,690	\$ 1,839,631	\$ 1,898,499
TOTAL						
ADDED PERSONNEL (COUNT)			0.0	0.0	2.0	0.0
ADJUSTMENTS (SEE CALCULATION BELOW)**		\$ 0	\$ 0	\$ 41,175	\$ 0	
ESTIMATED PAYROLL						
OPERATION		\$ 864,852	\$ 892,527	\$ 942,176	\$ 972,326	
MAINTENANCE		\$ 395,329	\$ 407,980	\$ 430,675	\$ 444,456	
A&G		\$ 428,471	\$ 442,182	\$ 466,780	\$ 481,717	
MDR II.B.10 TOTAL		\$ 1,688,653	\$ 1,742,690	\$ 1,839,631	\$ 1,898,499	
Payroll Adjustments		\$ 95,890	\$ -	\$ -	\$ 41,175	\$ -
Adjustment in 2023 Payroll		\$ 95,890				
New Complement additions		\$ -	\$ -	\$ 41,175	\$ -	
Synergy Adjustments		\$ -	\$ -	\$ -	\$ -	
Union Negotiation Adjustment		\$ -	\$ -	\$ -	\$ -	
New Requests:						
Additional Headcount			0	0	2	0
Additional Payroll		\$ -	\$ -	\$ 41,175	\$ -	
		\$ -	\$ -	\$ 41,175	\$ -	

		2019	2020	2021	2022	2023	
Recorded Payroll							
Operation		\$ 873,143	\$ 858,520	\$ 861,490	\$ 828,634	\$ 785,689	
Maintenance		\$ 235,223	\$ 248,273	\$ 246,884	\$ 269,138	\$ 359,143	
A&G		\$ 215,302	\$ 240,765	\$ 348,861	\$ 394,167	\$ 389,252	
MDR II.B.10 Total		1,323,668	1,347,559	1,457,235	1,491,940	1,534,083	
Escalated Payroll as of 2023							5 Year Average
Operation		\$ 958,956	\$ 918,778	\$ 889,919	\$ 828,634	\$ 785,689	876,395
Maintenance		\$ 258,341	\$ 265,699	\$ 255,031	\$ 269,138	\$ 359,143	281,471
A&G		\$ 236,462	\$ 257,664	\$ 360,374	\$ 394,167	\$ 389,252	327,584
Total		1,453,759	1,442,141	1,505,323	1,491,940	1,534,083	1,485,449

Transportation Estimate

WP5B4

110 - Livermore (LIV)

	Recorded in 2023 Dollars					% Split	Estimated \$				
	2019	2020	2021	2022	2023		2023	2024	2025	2026	2027
OPER	\$ 160,781	\$ 138,818	\$ 134,815	\$ 132,664	\$ 118,888	65%	\$ 132,391	\$ 133,927	\$ 162,627	\$ 186,663	
MAINT	\$ 64,020	\$ 54,988	\$ 50,173	\$ 57,765	\$ 50,921	28%	\$ 53,628	\$ 54,250	\$ 62,138	\$ 71,322	
A&G	\$ -	\$ -	\$ -	\$ 8,245	\$ 13,780	8%	\$ 4,251	\$ 4,300	\$ 4,925	\$ 5,653	
TOTAL	\$ 224,801	\$ 193,805	\$ 184,988	\$ 198,674	\$ 183,589	100%	\$ 190,270	\$ 192,477	\$ 229,690	\$ 263,638	
Additional vehicles per capital budget							0	0	2	0	
							0	0	2	0	
Active Vehicles							0	0	2	2	
Additional costs (\$ in thousands)						0.0	\$ -	\$ -	\$ -	\$ -	

Purchased Power Estimate

WP5B13

110 - Livermore (LIV)

Year	Estimated Purchased Power				Recorded
	2024	2025	2026	2027	2023
Production - KCCF	3,466	3,473	3,480	3,498	3,518
Kilowatt Hours per KCCF	819	819	819	819	819
Kilowatt Hours (computed)	2,839,269	2,844,981	2,850,692	2,865,494	2,882,058
Cost per KWH (composite) (\$)	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30
Purchased Power	\$858,482	\$860,209	\$861,936	\$866,412	\$871,420

Purchased Water Estimate

Dist.	Dist Name	Description	2024	2025	2026	2027	2028	Fixed/Variable
110	LIVERMORE	Potable Purchase Water						
110	LIVERMORE	Total Potable Purchase - Ccf.	2,426,843	2,431,725	2,436,607	2,449,259	2,461,834	
110	LIVERMORE	Total Potable Purchase - Acre Feet	5,571	5,583	5,594	5,623	5,652	
110	LIVERMORE	Unit Cost - \$ per AF	\$1,019.30	\$1,019.30	\$1,019.30	\$1,019.30	\$1,019.30	Variable
110	LIVERMORE	Total Purchase Water amount in \$s	\$5,678,814	\$5,690,237	\$5,701,661	\$5,731,267	\$5,760,691	
110	LIVERMORE	Treated Water Fixed Charges	\$5,707,683	\$5,707,683	\$5,707,683	\$5,707,683	\$5,707,683	Fixed
110	LIVERMORE	Production (KCCF)	75	75	75	75	75	
110	LIVERMORE	Rate	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00	Variable
110	LIVERMORE	Amount in \$s	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	
110	LIVERMORE	Total Potable Purchase Water	\$11,398,497	\$11,409,920	\$11,421,344	\$11,450,950	\$11,480,374	
110	LIVERMORE	Recycled Purchase Water						
110	LIVERMORE	Total Recycled Water Purchase - Ccf.	0	0	0	0	0	
110	LIVERMORE	Total Recycled Purchase - Acre Feet	0	0	0	0	0	
110	LIVERMORE	Unit Cost - \$ per AF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Variable
110	LIVERMORE	Total Recycled Purchase Water amount in \$s	\$0	\$0	\$0	\$0	\$0	
110	LIVERMORE	Total Recycled Purchase Water	\$0	\$0	\$0	\$0	\$0	
110	LIVERMORE	Surface Purchase Water						
110	LIVERMORE	Total Surface Water Purchase - Ccf.	0	0	0	0	0	
110	LIVERMORE	Total Surface Purchase - Acre Feet	0	0	0	0	0	
110	LIVERMORE	Unit Cost - \$ per AF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Variable
110	LIVERMORE	Total Surface Purchase Water amount in \$s	\$0	\$0	\$0	\$0	\$0	
110	LIVERMORE	Total Surface Purchase Water	\$0	\$0	\$0	\$0	\$0	
110	LIVERMORE	Total Purchased Water (in \$'s) Before Adjustments	\$11,398,497	\$11,409,920	\$11,421,344	\$11,450,950	\$11,480,374	
110	LIVERMORE	Cal Advocates Adjustments	\$11,398,497	\$11,409,920	\$11,421,344	\$11,450,950	\$11,480,374	
110	LIVERMORE	Variance	\$0	\$0	\$0	\$0	\$0	
110	LIVERMORE	Total Purchased Water (in \$'s) After Adjustments	\$11,398,497	\$11,409,920	\$11,421,344	\$11,450,950	\$11,480,374	
110	LIVERMORE							
110	LIVERMORE							

**Ground Water Charges
Pump Tax Estimate**

WP5B15

110 - Livermore (LIV)

Adjustment Description	2024	2025	2026	2027
Unit Cost per ICBA	\$0.00	\$0.00	\$0.00	\$0.00

O&M and A&G Expenses by SOE Category

G392 by SOE

110 - Livermore (LIV)

SOE Key	SOE Key Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
SOE01-01	Oper Exp-Purchased Water	\$ 8,027,525	\$ 11,370,837	\$ 12,275,558	\$ 11,771,566	\$ 11,587,755	\$ 10,402,324
SOE01-02	Oper Exp-Pump Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE01-03	Oper Exp-Purchased Power	\$ 516,069	\$ 307,066	\$ 388,783	\$ 428,098	\$ 589,817	\$ 704,411
SOE01-04	Oper Exp-Purchased Chemicals	\$ 137,584	\$ 72,347	\$ 64,282	\$ 75,369	\$ 94,050	\$ 72,934
SOE01-05	Oper Exp-Payroll	\$ 861,327	\$ 873,143	\$ 858,520	\$ 861,490	\$ 828,634	\$ 785,689
SOE01-06	Oper Exp-Postage	\$ 71,222	\$ 66,505	\$ 57,918	\$ 63,949	\$ 64,917	\$ 69,215
SOE01-07	Oper Exp-Transportation	\$ 110,093	\$ 130,208	\$ 115,726	\$ 124,459	\$ 132,664	\$ 118,888
SOE01-08	Oper Exp-Uncollectibles	\$ 17,298	\$ 16,348	\$ 115,604	\$ (18,263)	\$ 46,333	\$ 214
SOE01-09	Oper Exp-Conservation	\$ 190,821	\$ 714,063	\$ 219,816	\$ 292,851	\$ 652,268	\$ 602,710
SOE01-10	Oper Exp-Purch Services - SS	\$ 8	\$ 885	\$ -	\$ -	\$ 13,987	\$ 5,987
SOE01-11	Oper Exp-Purch Services - PU	\$ 71,900	\$ 68,794	\$ 25,994	\$ 40,515	\$ 91,659	\$ 31,659
SOE01-12	Oper Exp-Purch Services - WT	\$ 126,955	\$ 72,030	\$ 50,433	\$ 49,167	\$ 104,803	\$ 144,384
SOE01-13	Oper Exp-Purch Services - TD	\$ 88,267	\$ 146,880	\$ 239,331	\$ 189,181	\$ 133,194	\$ 154,426
SOE01-14	Oper Exp-Purch Services - CA	\$ 252,914	\$ 255,457	\$ 203,697	\$ 330,454	\$ 507,774	\$ 600,618
SOE02-01	Maint Exp-Payroll	\$ 191,414	\$ 235,223	\$ 248,273	\$ 246,884	\$ 269,138	\$ 359,143
SOE02-02	Maint Exp-Transportation	\$ 36,953	\$ 51,846	\$ 45,841	\$ 46,319	\$ 57,765	\$ 50,921
SOE02-03	Maint Exp-Stores	\$ 34,629	\$ 42,131	\$ 41,434	\$ 14,088	\$ 41,345	\$ 32,308
SOE02-04	Maint Exp-Contracted Maint	\$ 310,370	\$ 82,593	\$ 128,078	\$ 145,637	\$ 242,752	\$ 488,573
SOE03-01	A&G Exp-Payroll	\$ 229,943	\$ 215,302	\$ 240,765	\$ 348,861	\$ 394,167	\$ 389,252
SOE03-02	A&G Exp-Benefits	\$ 702,727	\$ 661,949	\$ 706,945	\$ 732,087	\$ 764,343	\$ 580,830
SOE03-03	A&G Exp-Transportation	\$ -	\$ -	\$ -	\$ -	\$ 8,245	\$ 13,780
SOE03-04	A&G Exp-Rents	\$ 36,000	\$ 51,260	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148
SOE03-05	A&G Exp-Admin Chgs Trf	\$ (164,902)	\$ (184,257)	\$ (141,003)	\$ (153,583)	\$ (168,108)	\$ (176,873)
SOE03-06	A&G Exp-Workers Compensation	\$ 15,168	\$ 20,363	\$ 11,241	\$ 13,571	\$ 16,787	\$ 20,969
SOE03-07	A&G Exp-Non-specifics	\$ 32,418	\$ 59,333	\$ 53,043	\$ 32,118	\$ 55,313	\$ 68,672
SOE03-08	A&G Exp-Dues and Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE03-09	A&G Exp-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-01	TOTI-Ad Valorem	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-02	TOTI-Business License	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-03	TOTI-Local Franchise	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-04	TOTI-Payroll Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-05	TOTI-Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE04-06	TOTI-Reserved	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE05-01	Depr Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by SOE Category

G392 by SOE

110 - Livermore (LIV)

SOE Key	SOE Key Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
SOE06-01	Amort Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE07-01	PC Alloc Exp	\$ 1,125,604	\$ 1,306,059	\$ 1,509,634	\$ 1,442,863	\$ 1,578,173	\$ 1,712,159
SOE08-01	Alloc GO	\$ 1,279,482	\$ 1,480,951	\$ 1,661,660	\$ 1,710,235	\$ 1,707,532	\$ 2,217,838
SOE09-01	SIT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE10-01	FIT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE11-01	CPUC Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE12-01	Rate Case Allocated CSS-O&M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE13-01	Acquisition Synergies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE14-01	Rate Case Allocated CSS-TOTI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE15-01	Rate Case Allocated CSS-Depr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE16-01	Rate Case Allocated CSS-Amort	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE50-01	Residential-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE50-02	Residential-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE51-01	Business-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE51-02	Business-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE52-01	Multiple Family-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE52-02	Multiple Family-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE53-01	Industrial-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE53-02	Industrial-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE54-01	Public Authority-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE54-02	Public Authority-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE55-01	Other-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE55-02	Other-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE56-01	Irrigation-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE56-02	Irrigation-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE57-01	Recycled-Metered	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE57-02	Recycled-Service Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE63-01	WRAM/MCBA-Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE64-01	WRAM/MCBA Interest-Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE65-01	Conservation Revenue-Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE66-01	Balancing Memo Acct Revenue-Surcharge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE67-01	Other Surcharges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE68-01	Unbilled Rev Adj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE70-01	Residential-Flat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

110 - Livermore (LIV)

SOE Key	SOE Key Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
SOE71-01	Private Fire Protection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE72-01	Public Fire Protection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE73-01	Rents	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE74-01	Other Service Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE75-01	Deferred Rev Amort	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE76-01	Employee Discounts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SOE98-01	Sewer	\$ 11,309	\$ 2,188	\$ 6,504	\$ 441	\$ 372	\$ 587
SOE99-01	Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
701000	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
701001	Wages - Source of Supply Opera	\$ -	\$ 5,948	\$ -	\$ -	\$ -	\$ -
702000	Operation Expense	\$ 8	\$ -	\$ -	\$ -	\$ 13,987	\$ 5,987
702010	Cont Services - Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
703001	Pump Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
703002	Misc Exp Other	\$ -	\$ 885	\$ -	\$ -	\$ -	\$ -
703010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
703020	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
703030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
703050	MCBA Pump Tax Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704000	Purchased Water	\$ 8,027,525	\$ 11,370,837	\$ 12,275,558	\$ 11,771,566	\$ 11,587,755	\$ 10,402,324
704010	Purchased Water-Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704020	Purchased Water-Reclaimed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704030	Purchased Water (Non-MCBA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704050	MCBA Water Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704100	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704101	Wages-Water Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704110	Operations Expense	\$ 155	\$ 15	\$ 3,445	\$ -	\$ -	\$ -
704120	Chemicals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
704900	Miscellaneous Expenses	\$ -	\$ -	\$ 502	\$ 230	\$ -	\$ -
706000	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
706001	Wages - Source of Supply Maint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
707000	Structure & Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
708000	Coll & Imp Reservoir	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
709000	Lake Resvoir & Other Intake	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
711000	Wells	\$ 99,000	\$ -	\$ -	\$ -	\$ -	\$ -
712000	Supply Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
713000	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
713100	Maintenance Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17
713101	Wages-Collection Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
713900	Misc Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
721000	Supervision & Engineer Exp	\$ 3,473	\$ -	\$ -	\$ -	\$ 46,127	\$ -
721001	Wages - Pumping Operations	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -
722000	Power Production Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
723000	Fuel For Power Production	\$ -	\$ -	\$ 1,836	\$ 1,146	\$ 3,465	\$ -
724000	Pump Expense	\$ 8,847	\$ 35,854	\$ 5,760	\$ 9,152	\$ 3,338	\$ 8,976
724010	Pumping Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
725000	Miscellaneous Expense	\$ 59,580	\$ 32,940	\$ 18,398	\$ 30,217	\$ 38,728	\$ 22,683
725010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
725020	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
725030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
726100	Fuel For Pumping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
726200	Purchased Power	\$ 516,069	\$ 307,066	\$ 388,783	\$ 428,098	\$ 589,817	\$ 704,411
726230	Purchased Power (Non-MCBA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
726250	MCBA Power Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727100	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727101	Wages-Pumping for Wastewater	\$ -	\$ -	\$ -	\$ -	\$ 34	\$ -
727110	Operations Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727300	Fuel for Power Production	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727310	Contractual Svcs - Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727320	Equipment Rental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
727900	Miscellaneous Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
728010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
728100	Maintenance Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
728101	Wages-Pumping Wastewater Maint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
728500	Materials & Supplies	\$ -	\$ -	\$ 142	\$ -	\$ -	\$ -
728610	Contractual Svc - Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
728900	Misc Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
729000	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
729001	Wages-Pumping Plant Maintenanc	\$ -	\$ -	\$ -	\$ 19,699	\$ 2,870	\$ -
730000	Structure & Improvement	\$ (840)	\$ 496	\$ 958	\$ -	\$ -	\$ -
732000	Pumping Equipment	\$ 39,914	\$ 15,469	\$ 31,102	\$ 9,726	\$ 44,079	\$ 100,530
733000	Other Pumping Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
741000	Supervision & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
741001	Wages - Water Treatment Operat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,220
742000	Operation Expenses	\$ 44,365	\$ 4,848	\$ 2,470	\$ 10,241	\$ 30,719	\$ 3,696
742001	Sampling at Wells	\$ -	\$ -	\$ 8,103	\$ 9	\$ 46	\$ -
742002	Inorganic Laboratory Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
742003	Organic Laboratory Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
742004	Bacterial Laboratory Expenses	\$ 126	\$ -	\$ -	\$ -	\$ -	\$ -
742005	Laboratory Administration Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
742006	Outside Lab Fees	\$ 38,390	\$ 43,501	\$ 16,663	\$ 23,436	\$ 27,398	\$ 64,287
742007	Operation Equip Lease & Rental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
742008	Treatment & Disp Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
743000	Misc Expenses	\$ 44,075	\$ 23,681	\$ 15,348	\$ 15,481	\$ 46,639	\$ 76,401
743010	Water Treatment Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
744000	Chemical & Filter Material	\$ 137,584	\$ 72,347	\$ 64,282	\$ 75,369	\$ 94,050	\$ 72,934
745010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
745020	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
745030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746000	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746001	Wages-WaterTreat Plant Mainten	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746100	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746110	Operations Expense	\$ -	\$ -	\$ -	\$ 19	\$ -	\$ 71
746111	Wages-Treatment & Disposal	\$ -	\$ -	\$ -	\$ 193	\$ 338	\$ 325
746200	Purchased Wastewater Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746300	Sludge Removal Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746400	Chemicals	\$ 736	\$ -	\$ -	\$ -	\$ -	\$ -
746500	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174
746600	Contractual Svcs - Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746610	Contractual Svcs - Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746620	Contractual Svcs - Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746700	Equipment Rental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746800	Transportation Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
746900	Miscellaneous Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747000	Structure & Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747100	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747110	Operations Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747111	Wages-Reclaimed Water Treat Op	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747200	Chemicals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
747500	Materials&Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747610	ContractualSvcs - Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747620	ContractualSvcs - Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747700	Equipment Rental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747800	Transportation Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
747900	Miscellaneous Expense	\$ -	\$ -	\$ 7,848	\$ -	\$ -	\$ -
748000	Water Treatment Equip	\$ -	\$ -	\$ 245	\$ -	\$ 8,515	\$ -
748003	Bacterial Laboratory Equip	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
751000	Supervision & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
751001	Wages-Trans & Dist	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
752000	Storage Facility Expense	\$ 17	\$ -	\$ -	\$ 28	\$ -	\$ -
753100	Flushing Expense	\$ 5,062	\$ 1,823	\$ (1,360)	\$ 11	\$ 1,607	\$ 736
753200	Trans & Dist Line Expense	\$ 1,380	\$ 5,806	\$ 12,057	\$ 9,994	\$ 11,232	\$ 5,156
753201	Samples Taken In System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
753210	Trans & Dist Line Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
753300	Cross Connection Control Exp	\$ -	\$ 1,384	\$ -	\$ -	\$ 94	\$ 260
753301	Wages-Cross Connection Control	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
754100	Turn Ons & Turn Offs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
754200	Other Meter Expense	\$ (9,288)	\$ 436	\$ 20,630	\$ 19,982	\$ 24,064	\$ 4,375
755000	Customer Installation Expense	\$ 3,581	\$ 63	\$ 670	\$ 277	\$ 523	\$ -
756000	Miscellaneous Expense	\$ 74,998	\$ 131,049	\$ 200,314	\$ 150,067	\$ 94,417	\$ 139,765
756010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
756020	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80
756030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757100	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757101	Wages-Reclaimed Water Distr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 556
757110	Operations Expense	\$ -	\$ -	\$ 504	\$ 3,331	\$ -	\$ -
757500	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757600	Contractual Svcs - Engr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757610	Contractual Svcs - Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,760
757700	EquipmentRental	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757800	Transportation Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
757900	Miscellaneous Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
758000	Supervision & Engineer Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
758001	Wages-Trans & Distrib. Maint	\$ (0)	\$ -	\$ -	\$ -	\$ -	\$ -
759000	Structure & Improvement	\$ -	\$ 538	\$ -	\$ 957	\$ 995	\$ 160
760000	Reservoirs & Tanks	\$ 63,642	\$ 15,600	\$ -	\$ 12,462	\$ 9,000	\$ 93,241
761000	Trans & Distribution Mains	\$ 86,070	\$ 50,303	\$ 86,777	\$ 89,534	\$ 159,913	\$ 251,696
763000	Services	\$ 17,245	\$ (438)	\$ 7,747	\$ 29,122	\$ 18,520	\$ 40,631
764000	Meters	\$ 156	\$ -	\$ -	\$ 2,948	\$ (90)	\$ (55)
765000	Hydrants	\$ 5,159	\$ 344	\$ 654	\$ (443)	\$ 36	\$ -
766010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
766100	Maintenance Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
766101	Wages-Treatment & Disp Mainten	\$ 9,897	\$ 2,173	\$ 2,415	\$ -	\$ -	\$ -
766500	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
766610	Contractual Svcs - Testing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
766900	Misc Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
767000	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
767100	Maintenance Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
767101	Wages-Reclaimed Water Treat	\$ 520	\$ -	\$ -	\$ -	\$ -	\$ -
767900	Misc Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
768100	Maintenance Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
768101	Wages-Reclaim Water Dist Maint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
768500	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
769000	Job Order Related Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
771000	Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
771001	Wages - Customer Accounts	\$ (0)	\$ -	\$ -	\$ -	\$ -	\$ -
772000	Meter Reading Expense	\$ 787	\$ 276	\$ 499	\$ 805	\$ 392	\$ 711
773100	Office Salaries	\$ -	\$ 1,387	\$ (69)	\$ -	\$ -	\$ -
773201	Collection Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
773202	Collection Agency Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
773300	Postage	\$ 71,222	\$ 66,505	\$ 57,918	\$ 63,949	\$ 64,917	\$ 69,215
773400	Customer Records-Supplies	\$ 76,066	\$ 86,694	\$ 78,657	\$ 85,736	\$ 77,361	\$ 87,063
773401	Customer Records-Equip Rentals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
773402	Customer Records-Equip Maint	\$ 3,841	\$ 4,479	\$ 5,062	\$ 2,502	\$ 2,604	\$ 2,820
773403	Customer Records-Software	\$ -	\$ 1,391	\$ (1,391)	\$ (310)	\$ 2,195	\$ (2,195)
774100	Other Stationary & Printing	\$ 960	\$ 595	\$ 378	\$ -	\$ -	\$ 297

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
774200	Telephone & Telegraph	\$ 1,383	\$ 1,530	\$ 202	\$ 4,152	\$ 413	\$ 248
774201	Telephone-General	\$ 28,373	\$ 26,293	\$ 30,900	\$ 43,348	\$ 40,392	\$ 37,528
774202	Telephone-Cellular	\$ 14,672	\$ 13,055	\$ 16,651	\$ 27,324	\$ 32,302	\$ 31,880
774203	Telephone-Telemeter	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
774204	Telephone-Leased Lines	\$ 26,743	\$ 25,899	\$ 11,788	\$ 2,695	\$ (980)	\$ -
774300	Other Utility & Janitorial	\$ 100,090	\$ 93,858	\$ 61,020	\$ 51,883	\$ 116,269	\$ 179,796
774400	Flat Rate Inspection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
774500	Conservation Expense	\$ 190,821	\$ 714,063	\$ 219,816	\$ 292,851	\$ 652,223	\$ 599,949
774501	Wages - Conservation	\$ -	\$ -	\$ -	\$ -	\$ 46	\$ 2,761
774600	Leak Adjustment Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
775000	Uncollectible Accounts	\$ 17,298	\$ 16,348	\$ 115,604	\$ (18,263)	\$ 46,333	\$ 214
776000	Customer Acct Allocation	\$ -	\$ -	\$ -	\$ 112,317	\$ 236,826	\$ 262,470
776010	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
776020	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
776030	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
776050	Deferred Exp WRAM	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
791000	Admin & General Exp	\$ (482)	\$ 118	\$ 98	\$ 159	\$ -	\$ -
791001	Wages-Admin & Gen Sal GO Only	\$ -	\$ 470	\$ -	\$ -	\$ -	\$ -
792100	Employees Dues	\$ 697	\$ 1,970	\$ 2,708	\$ 1,801	\$ 483	\$ 817
792200	Postage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59
792300	Telephone & Telegraph	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792301	Telephone-General	\$ (422)	\$ 69	\$ 55	\$ 6,847	\$ 9,710	\$ 9,415
792302	Telephone-Cellular	\$ 102	\$ -	\$ 1,070	\$ -	\$ 55	\$ -
792303	Telephone-Answering Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792304	Telephone-Leased Lines	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792400	Stationery & Printng	\$ -	\$ -	\$ -	\$ -	\$ 1,904	\$ -
792500	Office Supply & Expense	\$ 38	\$ 13,544	\$ 904	\$ -	\$ -	\$ -
792501	Office Supplies	\$ (492)	\$ 1,513	\$ 5,418	\$ 5,735	\$ 8,157	\$ 13,097
792502	Temporary Labor	\$ 12,160	\$ (600)	\$ -	\$ -	\$ -	\$ -
792505	Bank Fee	\$ 2,320	\$ 2,613	\$ 1,224	\$ 720	\$ 719	\$ -
792600	Travel -Miscellaneous	\$ 1,904	\$ 12,967	\$ 1,169	\$ -	\$ 835	\$ 4,794
792601	Travel-Meals	\$ 8,144	\$ 12,873	\$ 7,364	\$ 2,904	\$ 7,618	\$ 9,135
792602	Travel-Meals at Headquarters	\$ 2,048	\$ 1,424	\$ 5,156	\$ -	\$ 62	\$ 134
792603	Training & Seminars	\$ 5,936	\$ 999	\$ 625	\$ 795	\$ -	\$ 183

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
792604	Conferences	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792605	Internal Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792606	Community Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
792700	Gen Office Building Expense	\$ (1,496)	\$ (374)	\$ -	\$ -	\$ -	\$ -
793000	Property Insurance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
794100	Compensation Insurance	\$ 15,168	\$ 20,363	\$ 11,241	\$ 13,571	\$ 16,787	\$ 20,969
794200	Occupational Sick Leave	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
794300	Safety And Training	\$ 8,400	\$ 5,197	\$ 11,545	\$ 4,662	\$ 2,468	\$ 5,407
794400	Liability Insurance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795098	795098 Variance-Allocatin Only	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795099	Off Duty Time Allocation	\$ -	\$ -	\$ -	\$ 222,288	\$ 238,501	\$ 230,782
795101	Retirement Savings Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795102	Retirement Fund Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795103	Other Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795200	Group Insurance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795201	Retiree Group Insurance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795260	PBOP Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795300	Employee Welfare Administation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795309	Employer Benefit Admin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795400	Benefits Transferred	\$ 702,727	\$ 661,949	\$ 706,945	\$ 732,087	\$ 764,343	\$ 580,830
795408	795408 Variance-Allocatin Only	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795501	Off Dutytime-Sick Leave	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795502	Disability Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795504	VDI-Employer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
795600	Off-Duty- All Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
796000	Franchise Requirement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
797000	Regulatory Commission Expense	\$ 587	\$ -	\$ 682	\$ 1,012	\$ -	\$ -
797001	PUC Reimbursement Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
798100	Legal Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
798200	Other Outside Services	\$ -	\$ -	\$ -	\$ -	\$ 1,142	\$ 6,347
798201	Training Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500
798202	Auditors & Accountants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
798203	Engineering Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
799100	Company Dues	\$ 12,952	\$ 952	\$ 952	\$ 300	\$ 15,000	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
799200	Institutional Advertising	\$ (25,818)	\$ -	\$ -	\$ 5,459	\$ 982	\$ 388
799300	Fee Fiscal Agents	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
799400	General Corporate Expense	\$ 2,618	\$ 2,140	\$ 739	\$ 593	\$ 4,115	\$ -
799500	Miscellaneous General Expense	\$ 3,223	\$ 3,770	\$ 13,334	\$ 1,129	\$ 2,062	\$ 17,847
799501	Employee Moving Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550
799710	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
799720	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
799730	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
799998	PubCo Allocation In/Out	\$ 1,125,604	\$ 1,306,059	\$ 1,509,634	\$ 1,442,863	\$ 1,578,173	\$ 1,712,159
799999	GO Dept Allocation In/Out	\$ 1,279,482	\$ 1,480,951	\$ 1,661,660	\$ 1,710,235	\$ 1,707,532	\$ 2,217,838
805100	General Structure & Improv	\$ -	\$ -	\$ 107	\$ 118	\$ -	\$ 1,919
805200	General Equipment	\$ 24	\$ 281	\$ 487	\$ 1,215	\$ 1,784	\$ 450
805410	Allocation of Payroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
805420	Allocation of Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
805430	Allocation of Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
811000	Rents	\$ 36,000	\$ 51,260	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148
811010	Allocation for Rent	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
812000	Administration Charges	\$ (164,902)	\$ (184,257)	\$ (141,003)	\$ -	\$ -	\$ -
812010	Allocation for Admin Charges	\$ -	\$ -	\$ -	\$ (153,583)	\$ (168,108)	\$ (176,873)
907100	Vacation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907200	Sick Leave	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907300	Holiday	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907400	Personal Time	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907500	Termination Pay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907600	Union Time Off	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907700	Military Leave	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
907800	Jury Duty	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
908000	Floating Holiday	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
910000	Transportation - Maintenance	\$ 36,953	\$ 51,846	\$ 45,841	\$ 46,319	\$ 57,765	\$ 50,921
920000	Transportation - Operating	\$ 110,093	\$ 130,208	\$ 115,726	\$ 124,459	\$ 132,664	\$ 118,808
930000	Transportatoin - A&G	\$ -	\$ -	\$ -	\$ -	\$ 8,245	\$ 13,780
940000	Stores - Maintenance	\$ 34,629	\$ 42,131	\$ 41,434	\$ 14,088	\$ 41,345	\$ 32,308
950000	Stores - Operating	\$ 12,516	\$ 6,319	\$ 6,517	\$ 5,491	\$ 1,256	\$ 1,818
960000	Stores - A&G	\$ -	\$ 156	\$ -	\$ -	\$ -	\$ -

O&M and A&G Expenses by Account

G392 by account

110 - Livermore (LIV)

People Soft Account	Account Description	Recorded Operating & Maintenance Expenses					
		2018	2019	2020	2021	2022	2023
970000	Payroll - Maintenance	\$ 191,414	\$ 235,223	\$ 248,273	\$ 246,884	\$ 269,138	\$ 359,143
980000	Payroll - Operating	\$ 861,327	\$ 867,195	\$ 858,520	\$ 841,791	\$ 825,765	\$ 784,469
990000	Payroll - A&G	\$ 229,943	\$ 214,832	\$ 240,765	\$ 126,574	\$ 155,666	\$ 158,470
766000	Wastewater Allocations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Inflation Factors

WP6B2

Year	Compensation per hour Non-farm rate	Base 2023	Labor	Base 2023	Non-labor	Base 2023	Composite 40/60 Split	Base 2023
2018	1.034	1.219	1.021	1.111	1.041	1.273	1.038	1.254
2019	1.038	1.175	1.024	1.085	1.001	1.271	1.016	1.235
2020	1.081	1.087	1.012	1.072	0.995	1.278	1.029	1.200
2021	1.048	1.037	1.024	1.047	1.147	1.114	1.107	1.083
2022	1.037	1.000	1.047	1.000	1.114	1.000	1.083	1.000
2023	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2024	0.926		1.041		0.991		0.965	
2025	1.032		1.028		0.998		1.012	
2026	1.350		1.190		1.009		1.145	
2027	1.350		1.023		1.013		1.148	

110 - Livermore (LIV)

USoA	Account Description	Recorded Expenses					
		2018	2019	2020	2021	2022	2023
I. Source of Supply Expense							
OPERATION							
701	Operation Supervision and Engineering	\$ -	\$ 5,948	\$ -	\$ -	\$ -	\$ -
702	Operation Labor and Expenses	\$ 8	\$ -	\$ -	\$ -	\$ 13,987	\$ 5,987
703	Miscellaneous Expenses	\$ -	\$ 885	\$ -	\$ -	\$ -	\$ -
704	Purchased Water	\$ 8,027,680	\$ 11,370,852	\$ 12,279,504	\$ 11,771,795	\$ 11,587,755	\$ 10,402,324
MAINTENANCE							
706	Maintenance Supervision and Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
707	Maintenance of Structures and Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
708	Maintenance of Collecting and Impounding Reservoirs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
709	Maintenance of Lake, River and Other Intakes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
710	Maintenance of Springs and Tunnels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
711	Maintenance of Wells	\$ 99,000	\$ -	\$ -	\$ -	\$ -	\$ -
712	Maintenance of Supply Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
713	Maintenance of Other Source of Supply Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17
II. Pumping Expenses							
OPERATION							
721	Operation Supervision and Engineering	\$ 3,473	\$ -	\$ -	\$ -	\$ 46,127	\$ -
722	Power Production Labor and Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
723	Fuel for Power Production	\$ -	\$ -	\$ 1,836	\$ 1,146	\$ 3,465	\$ -
724	Pumping Labor and Expenses	\$ 8,847	\$ 35,854	\$ 5,760	\$ 9,152	\$ 3,338	\$ 8,976
725	Miscellaneous Expenses	\$ 59,580	\$ 32,940	\$ 18,398	\$ 30,217	\$ 38,728	\$ 22,683
726	Fuel or Power Purchased for Pumping	\$ 516,069	\$ 307,066	\$ 388,783	\$ 428,098	\$ 589,817	\$ 704,411
MAINTENANCE							
729	Maintenance Supervision and Engineering	\$ -	\$ -	\$ -	\$ 19,699	\$ 2,870	\$ -
730	Maintenance of Structures and Improvements	\$ (840)	\$ 496	\$ 958	\$ -	\$ -	\$ -
731	Maintenance of Power Production Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
732	Maintenance of Pumping Equipment	\$ 39,914	\$ 15,469	\$ 31,102	\$ 9,726	\$ 44,079	\$ 100,530
733	Maintenance of Other Pumping Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
III. Water Treatment Expenses							
OPERATION							
741	Operation Supervision and Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,220
742	Operation Labor and Expenses	\$ 82,881	\$ 48,349	\$ 27,237	\$ 33,686	\$ 58,164	\$ 67,983
743	Miscellaneous Expenses	\$ 44,075	\$ 23,681	\$ 15,348	\$ 15,481	\$ 46,639	\$ 76,401
744	Chemicals and Filtering Materials	\$ 137,584	\$ 72,347	\$ 64,282	\$ 75,369	\$ 94,050	\$ 72,934

110 - Livermore (LIV)

USoA	Account Description	Recorded Expenses					
		2018	2019	2020	2021	2022	2023
	MAINTENANCE						
746	Maintenance Supervision and Engineering	\$ 736	\$ -	\$ -	\$ 212	\$ 338	\$ 570
747	Maintenance of Structures and Improvements	\$ -	\$ -	\$ 7,848	\$ -	\$ -	\$ -
748	Maintenance of Water Treatment Equipment	\$ -	\$ -	\$ 245	\$ -	\$ 8,515	\$ -
	IV. Transmission and Distribution Expenses						
	OPERATION						
751	Operation Supervision and Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
752	Storage Facilities Expenses	\$ 17	\$ -	\$ -	\$ 28	\$ -	\$ -
753	Transmission and Distribution Lines Expenses	\$ 6,443	\$ 9,012	\$ 10,697	\$ 10,005	\$ 12,934	\$ 6,151
754	Meter Expenses	\$ (9,288)	\$ 436	\$ 20,630	\$ 19,982	\$ 24,064	\$ 4,375
755	Customer Installations Expenses	\$ 3,581	\$ 63	\$ 670	\$ 277	\$ 523	\$ -
756	Miscellaneous Expenses	\$ 74,998	\$ 131,049	\$ 200,314	\$ 150,067	\$ 94,417	\$ 139,845
	MAINTENANCE						
758	Maintenance Supervision and Engineering	\$ (0)	\$ -	\$ -	\$ -	\$ -	\$ -
759	Maintenance of Structures and Improvements	\$ -	\$ 538	\$ -	\$ 957	\$ 995	\$ 160
760	Maintenance of Reservoirs and Tanks	\$ 63,642	\$ 15,600	\$ -	\$ 12,462	\$ 9,000	\$ 93,241
761	Maintenance of Transmission and Distribution Mains	\$ 86,070	\$ 50,303	\$ 86,777	\$ 89,534	\$ 159,913	\$ 251,696
762	Maintenance of Fire Mains	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
763	Maintenance of Services	\$ 17,245	\$ (438)	\$ 7,747	\$ 29,122	\$ 18,520	\$ 40,631
764	Maintenance of Meters	\$ 156	\$ -	\$ -	\$ 2,948	\$ (90)	\$ (55)
765	Maintenance of Hydrants	\$ 5,159	\$ 344	\$ 654	\$ (443)	\$ 36	\$ -
766	Maintenance of Miscellaneous Plant	\$ 9,897	\$ 2,173	\$ 2,415	\$ -	\$ -	\$ -
	V. Customer Account Expenses						
	OPERATION						
771	Supervision	\$ (0)	\$ -	\$ -	\$ -	\$ -	\$ -
772	Meter Reading Expenses	\$ 787	\$ 276	\$ 499	\$ 805	\$ 392	\$ 711
773	Customer Records and Collection Expenses	\$ 151,129	\$ 160,456	\$ 140,176	\$ 151,878	\$ 147,077	\$ 156,904
774	Miscellaneous Customer Accounts Expenses	\$ 363,042	\$ 875,293	\$ 340,756	\$ 422,254	\$ 840,664	\$ 852,459
775	Uncollectible Accounts	\$ 17,298	\$ 16,348	\$ 115,604	\$ (18,263)	\$ 46,333	\$ 214
	VI. Sales Expenses						
	OPERATION						
781	Supervision	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
782	Demonstrating Selling Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
783	Advertising Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
784	Miscellaneous Sales Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
785	Merchandising, Jobbing and Contract Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

110 - Livermore (LIV)

USoA	Account Description	Recorded Expenses					
		2018	2019	2020	2021	2022	2023
VII. Recycled Water Expenses							
786	Merchandising, Jobbing and Contract Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
VIII. Administrative and General Expenses							
OPERATION							
791	Administrative and General Salaries	\$ (482)	\$ 588	\$ 98	\$ 159	\$ -	\$ -
792	Office Supplies and Other Expenses	\$ 30,938	\$ 46,999	\$ 25,693	\$ 18,803	\$ 29,543	\$ 37,634
793	Property Insurance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
794	Injuries and Damages	\$ 23,568	\$ 25,560	\$ 22,786	\$ 18,234	\$ 19,255	\$ 26,376
795	Employees' Pensions and Benefits	\$ 702,727	\$ 661,949	\$ 706,945	\$ 954,374	\$ 1,002,844	\$ 811,611
796	Franchise Requirements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
797	Regulatory Commission Expenses	\$ 587	\$ -	\$ 682	\$ 1,012	\$ -	\$ -
798	Outside Services Employed	\$ -	\$ -	\$ -	\$ -	\$ 1,142	\$ 6,847
799	Miscellaneous General Expenses	\$ 2,398,061	\$ 2,793,872	\$ 3,186,318	\$ 3,160,579	\$ 3,307,864	\$ 3,948,782
MAINTENANCE							
805	Maintenance of General Plant	\$ 24	\$ 281	\$ 594	\$ 1,333	\$ 1,784	\$ 2,369
IX. Miscellaneous							
810	Customer Surcredits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
811	Rents	\$ 36,000	\$ 51,260	\$ 48,148	\$ 48,148	\$ 48,148	\$ 48,148
812	Administrative Expenses Transferred-Cr.	\$ (164,902)	\$ (184,257)	\$ (141,003)	\$ (153,583)	\$ (168,108)	\$ (176,873)
813	Duplicate Charges-Cr.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CHAPTER 6

RECORDED AND PROPOSED TAXES

Taxes Other Than Income (TOTI)

Table 7TOTI

110 - Livermore (LIV)

Description	Present Rates					Proposed Rates		
	2024	2025	2026	2027	2028	2026	2027	2028
TOTI-Ad Valorem	\$ 536,774	\$ 898,780	\$ 1,055,760	\$ 1,198,769	\$ 1,341,778	\$ 1,055,760	\$ 1,198,769	\$ 1,341,778
TOTI-Business License	\$ 321,496	\$ 322,119	\$ 322,746	\$ 413,064	\$ 440,595	\$ 411,445	\$ 438,817	\$ 469,741
TOTI-Local Franchise	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTI-Payroll Taxes	\$ 123,423	\$ 127,372	\$ 134,457	\$ 138,760	\$ 142,090	\$ 134,457	\$ 138,760	\$ 142,090
TOTI-Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total TOTI at Present Rates	\$ 981,693	\$ 1,348,272	\$ 1,512,964	\$ 1,750,594	\$ 1,924,463	\$ 1,601,663	\$ 1,776,346	\$ 1,953,610

Detail for Ad Valorem Tax Calculation

WP7B1

110 - Livermore (LIV)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Summary of Ad Valorem Tax	\$360,095	\$249,401	\$311,929	\$327,431	\$286,314	\$292,023 (From GL)	\$536,774.5	\$898,780.4	\$1,055,760.4	\$1,198,769.4

	<u>1/1 Balance - Beginning Year</u>						CALENDAR YR ESTIMATE	<u>Fiscal Year</u>	
	NET PLANT	ADD M & S & ACCT 1030	LESS ADVANCES & CONTRIBUTIONS	LESS DEFERRED INCOME TAX	add present value of advances	TOTAL		TOTAL TAX	EFF. %
ESTIMATED									
2024	\$87,857,005	\$4,589,734	\$12,656,184	\$14,286,873	\$2,850,372	\$68,354,054	\$536,774	\$814,447	1.1915%
2025	\$102,606,037	\$4,589,734	\$12,476,908	\$15,059,518	\$2,850,372	\$82,509,716	\$898,780	\$983,114	1.1915%
2026	\$115,541,253	\$4,589,734	\$12,296,570	\$15,981,026	\$2,850,372	\$94,703,762	\$1,055,760	\$1,128,407	1.1915%
2027	\$128,437,988	\$4,589,734	\$12,127,999	\$17,235,775	\$2,850,372	\$106,514,320	\$1,198,769	\$1,269,131	1.1915%

Detail for Business License Tax Calculation

WP7B2

110 - Livermore (LIV)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Summary of Business License Tax										
At Present Rates	\$ 230,028	\$ 217,204	\$ 231,799	\$ 179,754	\$ 219,060	\$ 141,083	\$ 321,496	\$ 322,119	\$ 322,746	\$ 413,064
At Proposed Rates							\$ 321,496	\$ 322,119	\$ 411,445	\$ 438,817

Detail for Local Franchise Fee Calculation

WP7B3

110 - Livermore (LIV)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Summary of Franchise Tax										
At Present Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
At Proposed Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Detail for Payroll Tax Calculation

WP7B4

110 - Livermore (LIV)

District	Total Operating Payroll				S.S. Taxes, %				S.S. Taxes			
	2024	2025	2026	2027	2024	2025	2026	2027	2024	2025	2026	2027
110	\$ 1,688,653	\$ 1,742,690	\$ 1,839,631	\$ 1,898,499	7.31%	7.31%	7.31%	7.31%	\$ 123,423	\$ 127,372	\$ 134,457	\$ 138,760
	RECORDED NET GROSS PAYROLL 2023				PAYROLL TAX, % (Calculated)				PAYROLL TAX 2023, RECORDED			
		110	\$ 1,534,083			7.31%			\$112,125			
Payroll Tax (\$)									Synergy Adjustments			
									\$0	\$0	\$0	\$0

Year	DeptID	Account	Total
2023	110	507199	\$ 112,125

Taxes Based on Income

Table 7C Taxes

110 - Livermore (LIV)

	2019	2020	RECORDED			PRESENT RATES				PROPOSED RATES	
			2021	2022	2023	2024	2025	2026	2027	2026	2027
OPERATING REVENUES	\$24,511,874	\$25,435,510	\$27,044,417	\$28,466,802	\$25,140,359	\$28,646,553	\$28,702,062	\$28,757,930	\$36,809,811	\$36,661,345	\$39,104,439
<u>COMMON DEDUCTIONS</u>											
O&M and A&G EXPENSES EXCLUDING											
DEPRECIATION & INCOME TAXES WP 7C1	\$18,152,707	\$19,030,542	\$19,083,417	\$20,222,787	\$19,089,586	\$21,114,861	\$21,813,055	\$23,140,096	\$23,890,839	\$23,235,260	\$23,918,468
REMOVE TRANSPORTATION											
DEPRECIATION FROM EXPENSE WP 7C1	(\$74,539)	(\$96,984)	(\$100,246)	(\$95,632)	(\$49,717)	(\$53,802)	(\$56,481)	(\$25,514)	(\$29,820)	(\$25,514)	(\$29,820)
NON DEDUCTIBLE MEALS	(\$17,342)	(\$9,894)	(\$4,019)	(\$9,913)	(\$12,372)	(\$11,565)	(\$11,699)	(\$13,400)	(\$15,380)	(\$13,400)	(\$15,380)
INTEREST EXPENSE WP 7C1	\$983,881	\$1,215,494	\$1,387,531	\$1,424,688	\$1,589,226	\$1,452,267	\$1,720,426	\$1,964,516	\$2,251,586	\$1,964,516	\$2,251,586
TOTAL	\$19,044,707	\$20,139,158	\$20,366,683	\$21,541,930	\$20,616,723	\$22,501,761	\$23,465,301	\$25,065,698	\$26,097,224	\$25,160,863	\$26,124,854
<u>STATE CORPORATION FRANCHISE TAX DEDUCTIONS</u>											
STATE TAX DEPRECIATION (INCLUDES GO COMPONENT)	\$2,181,017	\$2,393,427	\$2,239,892	\$2,272,995	\$2,393,432	\$8,913,746	\$10,424,681	\$10,892,255	\$11,441,058	\$10,892,255	\$11,441,058
TAXABLE INCOME	\$3,286,150	\$2,902,925	\$4,437,843	\$4,651,877	\$2,130,204	(\$2,768,953)	(\$5,187,921)	(\$7,200,024)	(\$728,472)	\$608,227	\$1,538,527
TAX @ 8.84%	\$290,496	\$256,619	\$392,305	\$411,226	\$188,310	(\$244,775)	(\$458,612)	(\$636,482)	(\$64,397)	\$53,767	\$136,006
TAX @ 8.84%	\$290,496	\$256,619	\$392,305	\$411,226	\$188,310	(\$244,775)	(\$458,612)	(\$636,482)	(\$64,397)	\$53,767	\$136,006
<u>FEDERAL INCOME TAX DEDUCTIONS</u>											
FEDERAL BOOK DEPRECIATION											
(INCLUDES GO COMPONENT)	\$2,692,080	\$2,503,941	\$3,401,334	\$3,669,941	\$3,595,382	\$3,952,555	\$4,515,128	\$4,322,207	\$4,701,569	\$4,322,207	\$4,701,569
STATE CORP. FRANCH. TAX	\$290,496	\$256,619	\$392,305	\$411,226	\$188,310	(\$244,775)	(\$458,612)	(\$636,482)	(\$64,397)	\$53,767	\$136,006
AMERICAN JOBS CREATION											
DEDUCTION (Percentage of Taxable Income)	\$255,561	\$273,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TAXABLE INCOME	\$2,229,030	\$2,262,174	\$2,884,095	\$2,843,704	\$739,945	\$2,437,013	\$1,180,244	\$6,506	\$6,075,414	\$7,124,507	\$8,142,010
TAX @ Effective Statutory Rate	\$468,096	\$475,056	\$605,660	\$597,178	\$155,388	\$511,773	\$247,851	\$1,366	\$1,275,837	\$1,496,147	\$1,709,822
Deferred Federal Income Tax (Adjustment)						(\$293,251)	(\$296,783)	(\$65,889)	(\$66,835)	(\$65,889)	(\$66,835)
ADJUSTED FEDERAL TAX	\$468,096	\$475,056	\$605,660	\$597,178	\$155,388	\$218,522	(\$48,932)	(\$64,522)	\$1,209,002	\$1,430,258	\$1,642,987
TOTAL INCOME TAXES	\$758,592	\$731,675	\$997,965	\$1,008,404	\$343,698	(\$26,254)	(\$507,544)	(\$701,004)	\$1,144,605	\$1,484,025	\$1,778,993

Details of Income Tax Deductions and Credits

WP7C1

110 - Livermore (LIV)

SOURCE	2019	2020	2021	2022	2023	2024	2025	2026	2027	
O&M and A&G EXPENSES EXCLUDING DEPRECIATION & INCOME TAXES										
OPER. & MAINT. EXCL.										
UNCOLLECTIBLES	TBL 5-B	\$14,490,008	\$14,963,684	\$14,680,027	\$15,412,523	\$14,624,191	\$15,691,820	\$15,756,581	\$16,301,518	\$16,604,012
ADMIN & GEN. and MISC. EXP.	TBL 5-B	\$839,374	\$934,446	\$1,021,184	\$1,118,889	\$946,851	\$706,258	\$787,781	\$873,979	\$890,757
PRORATED G. O. EXPENSES	Table 11 SOE	\$2,499,300	\$2,880,748	\$3,166,219	\$3,431,717	\$3,502,880	\$4,275,373	\$4,536,795	\$5,082,003	\$5,318,681
EXCLUDE GO BOOK DEPRECIATION	CH11 SOE	(\$354,974)	(\$504,424)	(\$476,287)	(\$499,827)	(\$529,781)	(\$563,719)	(\$639,854)	(\$653,893)	(\$703,314)
Subtotal Before Uncollectibles, Franchise, and Business License		\$17,473,708	\$18,274,454	\$18,391,143	\$19,463,303	\$18,544,141	\$20,109,733	\$20,441,303	\$21,603,606	\$22,110,136
At Present Rates										
UNCOLLECTIBLES	TBL 5-B	\$16,348	\$115,604	(\$18,263)	\$46,333	\$214	\$23,435	\$23,480	\$23,526	\$30,109
TAXES OTHER THAN INCOME	TBL 7-B	\$662,651	\$640,483	\$710,537	\$713,151	\$545,231	\$981,693	\$1,348,272	\$1,512,964	\$1,750,594
Total Deduction at Present Rates		\$18,152,707	\$19,030,542	\$19,083,417	\$20,222,787	\$19,089,586	\$21,114,861	\$21,813,055	\$23,140,096	\$23,890,839
At Proposed Rates										
UNCOLLECTIBLES	Table 11 SOE						\$23,435	\$23,480	\$29,991	\$31,986
TAXES OTHER THAN INCOME	Table 11 SOE						\$981,693	\$1,348,272	\$1,601,663	\$1,776,346
Total Deduction at Proposed Rates							\$21,114,861	\$21,813,055	\$23,235,260	\$23,918,468
TRANSPORTATION DEPRECIATION ADJUSTMENT										
TRANSPORTATION DEPREC. - (include District, GO and RDOM/RDV Alloc to applicable districts)										
	TBL 9-C	\$ 74,539	\$ 96,984	\$ 100,246	\$ 95,632	\$ 49,717	\$ 53,802	\$ 56,481	\$ 25,514	\$ 29,820
Total Adjustment		\$74,539	\$96,984	\$100,246	\$95,632	\$49,717	\$53,802	\$56,481	\$25,514	\$29,820
INTEREST EXPENSE										
RATE BASE EXCLUDING WRK CASH	TBL 10-F	\$38,283,313	\$47,295,495	\$53,989,539	\$55,435,325	\$61,837,571	\$73,719,121	\$87,331,281	\$99,721,621	\$114,293,720
WEIGHTED COST OF DEBT	WP7-C1a	2.57%	2.57%	2.57%	2.57%	2.57%	1.97%	1.97%	1.97%	1.97%
INTEREST EXPENSE		\$983,881	\$1,215,494	\$1,387,531	\$1,424,688	\$1,589,226	\$1,452,267	\$1,720,426	\$1,964,516	\$2,251,586
American Jobs Creation Act										
Any Production Activity Yes										
At Present Rates										
Income		\$24,511,874	\$25,435,510	\$27,044,417	\$28,466,802	\$25,140,359	\$28,646,553	\$28,702,062	\$28,757,930	\$36,809,811
General Deductions		\$19,044,707	\$20,139,158	\$20,366,683	\$21,541,930	\$20,616,723	\$22,501,761	\$23,465,301	\$25,065,698	\$26,097,224
Other Federal Deductions		\$2,627,602	\$2,256,135	\$3,317,352	\$3,581,341	\$3,253,911	\$3,144,061	\$3,416,662	\$3,031,832	\$3,933,858
		\$2,839,565	\$3,040,217	\$3,360,382	\$3,343,531	\$1,269,725	\$3,000,732	\$1,820,098	\$660,400	\$6,778,728
Prorated Effective Deduction		9.00%	9.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Deduction at Present Rates		\$255,560.9	\$273,619.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

110 - Livermore (LIV)

ACCELERATED DEPRECIATION FOR STATE INCOME TAX DEDUCTION (FLOW THROUGH)

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Recorded State Tax Depreciation	\$ 2,040,177				
State Tax Depreciation Associated to Recorded Plant		\$ 2,201,419	\$ 2,075,359	\$ 1,979,984	\$ 1,970,174
Gross Adds Including CIAC Addbacks		\$ 18,141,171	\$ 16,824,399	\$ 16,535,661	\$ 22,651,201
Repairs Deduction		\$ 6,023,928	\$ 7,019,608	\$ 7,175,926	\$ 7,234,127
State Tax Depreciation Associated to Forecast Adds		\$ 270,012	\$ 792,662	\$ 1,226,577	\$ 1,768,526
Total State Tax Depreciation		\$ 2,471,430	\$ 2,868,021	\$ 3,206,561	\$ 3,738,701
Total State Tax Depreciation and Repairs		\$ 8,495,358	\$ 9,887,628	\$ 10,382,487	\$ 10,972,827
CSS Allocation		\$ 418,388	\$ 537,053	\$ 509,768	\$ 468,230
Total State Tax Depreciation Including CSS		\$ 8,913,746	\$ 10,424,681	\$ 10,892,255	\$ 11,441,058

Unamortized Investment Tax Credit

WP7C3

110 - Livermore (LIV)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
BEGIN YEAR BALANCE (\$)	\$ 83,613	\$ 82,199	\$ 80,786	\$ 79,372	\$ 78,173	\$ 76,759	\$ 75,345	\$ 73,932	\$ 72,518	\$ 71,104
INVEST TAX CREDIT FOR YEAR (\$)	\$ (1,414)	\$ (1,414)	\$ (1,414)	\$ (1,200)	\$ (1,414)	\$ (1,414)	\$ (1,414)	\$ (1,414)	\$ (1,414)	\$ (1,414)
ENDING BALANCE (\$)	\$ 82,199	\$ 80,786	\$ 79,372	\$ 78,173	\$ 76,759	\$ 75,345	\$ 73,932	\$ 72,518	\$ 71,104	\$ 69,691
AVERAGE YEAR BALANCE \$-1000	\$ 82,906	\$ 81,493	\$ 80,079	\$ 78,772	\$ 77,466	\$ 76,052	\$ 74,638	\$ 73,225	\$ 71,811	\$ 70,398

Deferred Federal Income Taxes

WP7C4

110 - Livermore (LIV)

	Recorded Years						Calendar Year			
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BEGIN YEAR BALANCE (\$)	\$7,059,728	\$10,298,576	\$11,857,635	\$13,656,741	\$13,895,075	\$13,596,968	\$13,822,969	\$14,531,146	\$15,403,442	\$16,641,348
DEFERRED TAX FOR YEAR (\$)	\$3,238,848	\$1,559,059	\$1,799,105	\$238,334	(\$298,108)	\$226,002	\$1,001,428	\$1,169,079	\$1,303,795	\$1,340,152
Adjustment for Excess Deferred Tax Liability							(\$293,251)	(\$296,783)	(\$65,889)	(\$66,835)
ENDING BALANCE (\$)	\$10,298,576	\$11,857,635	\$13,656,741	\$13,895,075	\$13,596,968	\$13,822,969	\$14,531,146	\$15,403,442	\$16,641,348	\$17,914,665
AVERAGE YEAR BALANCE \$-1000	\$8,679,152	\$11,078,106	\$12,757,188	\$13,775,908	\$13,746,021	\$13,709,968	\$14,286,873	\$15,072,712	\$16,007,414	\$17,262,163
<hr/>										
DEFERRED TAX FOR YEAR (\$)	\$3,238,848	\$1,559,059	\$1,799,105	\$238,334	(\$298,108)	\$226,002	\$1,001,428	\$1,169,079	\$1,303,795	\$1,340,152

Approved Pro-Rata Factors

January
February
March
April
May
June
July
August
September
October
November
December

PRORATION
FACTORS

0.917808219	\$76,593	\$89,416	\$99,719	\$102,500
0.84109589	\$70,191	\$81,942	\$91,385	\$93,933
0.756164384	\$63,104	\$73,668	\$82,157	\$84,448
0.673972603	\$56,245	\$65,661	\$73,227	\$75,269
0.589041096	\$49,157	\$57,386	\$63,999	\$65,784
0.506849315	\$42,298	\$49,379	\$55,069	\$56,605
0.421917808	\$35,210	\$41,105	\$45,841	\$47,120
0.336986301	\$28,122	\$32,830	\$36,613	\$37,634
0.254794521	\$21,263	\$24,823	\$27,683	\$28,455
0.169863014	\$14,175	\$16,549	\$18,456	\$18,970
0.087671233	\$7,316	\$8,541	\$9,525	\$9,791
0.002739726	\$229	\$267	\$298	\$306
	\$463,903	\$541,567	\$603,973	\$620,815

CHAPTER 7

RECORDED AND PROPOSED CAPITAL BUDGETS

**RO Plant Table 1
Proposed Capital Budget (2024-2027)**

110

LIVERMORE (LIV) DISTRICT

Year	PID	Description	Direct Cost	Total Cost ¹
2025	00132001	LIV 2025 Flowmeter Replacements	278,349	324,901
2026	00132002	LIV 2026 Flowmeter Replacements	281,612	327,921
2025	00132223	LIV 015-1 Replace Well Pump	130,346	152,958
2026	00132224	LIV-019-1 Well Pump Replacement	108,588	127,119
2026	00132225	LIV 020-1 Replace Well Pump	41,497	48,579
2025	00132226	LIV 025-B Pump Replacement	79,656	93,475
2026	00132227	LIV-29-A Pump Replacement	69,065	80,852
2026	00132228	LIV-29-B Pump Replacement	69,065	80,852
2026	00132230	LIV-32-A Pump Replacement	69,065	80,852
2026	00132231	LIV-32-B Pump Replacement	69,065	80,852
2025	00132232	LIV 032-C Pump Replacement	67,381	79,070
2027	00132233	LIV-034 Pump Replacements (B,C,D)	250,624	288,593
2027	00132234	LIV-034-A VFD Replacement	68,206	77,913
2026	00132278	LIV-009-01 Well Renewal	288,984	338,303
2027	00132279	LIV-014-01 Well Renewal	296,202	341,075
2025	00132327	LIV 2025 VEHICLE REPLACEMENT PROGRA	390,870	411,818
2026	00132328	LIV 2026 VEHICLE REPLACEMENT PROGRA	150,540	158,608
2027	00132329	LIV 2027 VEHICLE REPLACEMENT PROGRA	300,849	316,973
2025	00132405	LIV 2025 Vault Lid Replacements	17,335	20,343
2026	00132406	LIV 2026 Vault Lid Replacements	17,769	20,801
2027	00132407	LIV 2027 Vault Lid Replacements	18,212	20,972
2025	00132449	LIV - ADDITIONAL TRUCKS	157,148	165,569
2025	00132455	LIV 2025 Physical Security Upgrades	331,634	389,166
2027	00132537	LIV MCC Replacements	1,577,200	1,816,140
2025	00132609	LIV 2025 Sample Stations	90,144	105,782
2026	00132610	LIV 2026 Sample Station	92,397	108,166
2027	00132611	LIV 2027 Sample Stations	63,137	72,701
2027	00132700	LIV-010 Carbon Changeout	132,842	152,967
2026	00132701	LIV-014 Carbon Changeout	129,605	151,723
2026	00132814	LIV 2026 Physical Security Upgrade	128,108	149,971
2026	00132851	LIV 2026 Instrumentation Replc.	28,282	33,108
2027	00132913	LIV New Main Tesla Road	1,342,515	1,545,901
2025	00133106	LIV 2025 Tank Improvements	49,224	57,764
2026	00133107	LIV 2026 Tank Improvements	1,319,796	1,545,035
2026	00133108	LIV 029-T2 Cathodic Protection	27,833	32,583
2026	00133109	LIV Auto Flusher	73,098	85,573
2026	00133110	LIV Pump House Roof Replacements	348,900	408,444
2027	00133111	LIV 022-T1 Chloramination System	1,138,116	1,275,715
2027	00133113	LIV 025-T2 Chloramination	1,176,252	1,318,462

1) Total Costs = Direct Costs + Indirect Costs

**RO Plant Table 1
Proposed Capital Budget (2024-2027)**

110

LIVERMORE (LIV) DISTRICT

Year	PID	Description	Direct Cost	Total Cost ¹
2027	00133115	LIV 029 Chloramination System	1,128,117	1,264,507
2026	00133400	LIV Copy Machine	11,387	11,998
2026	00133401	LIV Ice Machine	1,161	1,223
2025	00133824	LIV 2025 Control Valve Overhauls	106,872	125,412
2026	00133825	LIV 2026 Control Valve Overhauls	109,544	128,239
2027	00133826	LIV 2027 Control Valve Overhauls	93,566	107,741
2025	00134025	LIV 2025 Instrumentation Replc.	20,147	23,642
2027	00134026	LIV 2027 Instrumentation Replc.	32,102	36,966
2025	110MRP25	LIV 2025 Main Replacement Program	6,173,332	7,244,284
2026	110MRP26	LIV 2026 Main Replacement Program	6,327,666	7,407,553
2027	110MRP27	LIV 2027 Main Replacement Program	6,485,703	7,468,263
2025	LIV0900_25	Meter Replacement Program	197,155	230,743
2026	LIV0900_26	Meter Replacement Program	202,084	235,943
2027	LIV0900_27	Meter Replacement Program	207,136	237,882
2025	110-NON-SP	110- Livermore Non-specific	228,900	266,452
2026	110-NON-SP	110- Livermore Non-specific	234,500	272,366
2027	110-NON-SP	110- Livermore Non-specific	240,500	275,084
2025	110UNSCH	LIV Unscheduled Replacements	1,239,170	1,454,141
2026	110UNSCH	LIV Unscheduled Replacements	1,270,149	1,486,914
2027	110UNSCH	LIV Unscheduled Replacements	1,301,903	1,499,136
2026	00134776	LIV - VEHICLE FOR NEW COMPLEMENTS	175,969	185,400
2024	110MRP24	LIV 2024 Main Replacement Program	5,065,244	6,073,738
2024	LIV0900	Meter Replacement Program	155,487	186,444
2025	00124261	Livermore WSFMP	311,674	365,744
2025	00124293	LIV 020-01: Well Renewal	253,165	297,084
2025	00124076	LIV Crane Ridge 001 New Generator	275,517	320,737
2024	00124154	LIV 2024 Flowmeter Replacement	241,962	290,136
2025	00123503	LIV 34 New 2,000 gal. Press. Tank	464,135	530,182
2025	00124351	Livermore Reliability Study	227,253	259,591
2025	00123999	LIV Turnout 5 RTU Install	167,174	190,442
2024	00124725	LIV 2023 Physical Security Upgrades	61,603	73,869
2026	00124768	LIV 2024 Physical Security Upgrades	375,980	440,145
2024	00125015	LIV 2023 SB1398 Service Replacement	93,584	112,217
2024	00117432	LIV 2019 Flowmeter Replacements	68,849	80,802
2024	00124690	LIV 2022 Physical Security Upgrades	404,196	484,672
2024	00123857	LIV 009-T4 - Tank Retrofits	54,852	64,375
2024	00125014	LIV 2022 SB1398 Service Replacement	79,129	94,883
2024	00125080	LIV 2023 Analyzer Replacements	73,418	87,334
2024	00125126	LIV 19-01 Replace Pump & Motor	84,388	101,190

1) Total Costs = Direct Costs + Indirect Costs

**RO Plant Table 1
Proposed Capital Budget (2024-2027)**

110

LIVERMORE (LIV) DISTRICT

Year	PID	Description	Direct Cost	Total Cost ¹
2024	00123400	LIV Tank Exterior Ladder Lifelines	69,701	81,580
2025	00124440	LIV Pressure Vessels Ladder/Plat	52,661	61,796
2024	00124078	LIV 025-B - Replace Pump & Motor	46,963	56,313
2024	00123749	LIV 2023 Vehicle Replacemnt Program	46,508	47,698
2025	00125124	LIV 13-E Replace Pump & Motor	59,072	68,214
2024	00124074	LIV 023-G Replace Pump & Motor	51,838	62,159
2025	00124072	LIV 016-A Replace Pump & Motor	50,633	59,417
2024	00124084	LIV 026-B - Replace Pump & Motor	42,194	50,595
2024	00125077	LIV 14 Analyzer Replacment	31,224	36,744
2024	00123467	LIV 022-T2 - Tank Retrofits	29,042	33,899
2024	00123468	LIV 022-T1 - Tank Retrofits	40,954	47,804
2024	00123330	LIV 018-T2 - Tank Retrofits	16,459	19,159
2024	00123492	LIV 2023 Control Valve Overhaul	40,406	48,451
2024	00123663	LIV 025-T3 - Tank Retrofit	13,580	16,284
2024	00123496	LIV 2024 Control Valve Overhaul	40,406	48,451
2024	00123490	LIV 2022 Control Valve Overhaul	40,406	47,807
2024	00125141	LIV 2022 Sample Site	8,221	9,596
2024	00123204	LIV 013-T2 - Tank Retrofits	7,556	8,796
2024	00115382	LIV 019-A Replace Pump and Motor	1,229	1,474
2025	00115386	LIV 015-01 Replace Pump and Motor	33,399	39,192
2024	00116006	LIV 023-T1 - Tank Retrofits	1,771	2,089
2025	00117363	LIV 28 Generator & VFD	319,637	372,097
2025	00117367	LIV 14 Panelboard	307,921	354,619
2024	00117436	LIV 2021 Flowmeter Replacements	99,035	115,913
2025	00123500	LIV Land Purchase for New Well	1,188,936	1,395,193
2025	00123695	LIV028-PT2 Pressure Vessel Rplcmt	506,329	586,274
2024	00125632	LIV New Main Livermore & Concannon	2,213,575	2,590,827
2024	00124142	LIV 2022 Flowmeter Replacement	324,078	388,602
2025	00124146	LIV 2023 Flowmeter Replacement	300,568	352,710
2025	00124033	LIV Turnout 6 RTU Install	148,372	172,724
2024	00123478	LIV 2022 Control Valve Replacement	174,133	206,029
2025	00123481	LIV 2024 Control Valve Replacement	129,393	151,840
2024	00124885	LIV 028-A Replace Pump & Motor	52,330	62,749
2024	00124887	LIV 028-B Replace Pump & Motor	52,330	62,749

1) Total Costs = Direct Costs + Indirect Costs

**RO Plant Table 1
Proposed Capital Budget (2024-2027)**

110

LIVERMORE (LIV) DISTRICT

Year	PID	Description	Direct Cost	Total Cost ¹
2024	00123479	LIV 2023 Control Valve Replacement	98,048	117,570
2026	00123506	LIV Sta 8 New Booster Sta - Design	1,273,984	1,491,404
2024	00124021	LIV 2024 Customer Meter Vault Lids	15,910	19,077
2024	00124020	LIV 2023 Customer Meter Vault Lids	15,522	18,612
2024	00124018	LIV Customer Meter Vault Lids	15,143	18,158
2027	00123501	LIV New Well	3,849,935	4,433,186
2024	00132954	LIV 34 - VFD INSTALLATION	87,202	104,564
2024	00133929	LIV SERVER ROOM UPS	4,254	4,458
2026	00123106	Purchase Land for Well in Zone 610	802,165	914,112
2024	00123160	New Well-Livermore	3,588,504	4,302,978
2024	00133734	LIV-10 GAC REPLACEMENT	168,776	202,380
2024	110-NON-SP	110- Livermore Non-specific	309,914	369,550
2024	110UNSCH	LIV Unscheduled Replacements	990,220	1,187,373

Summary	Year	Direct Cost	Total Cost
	2024	15,120,144	18,040,147
	2025	14,353,499	16,723,375
	2026	14,097,858	16,434,638
	2027	19,703,116	22,550,178
	Total	<u>63,274,618</u>	<u>73,748,338</u>

1) Total Costs = Direct Costs + Indirect Costs

RO Plant Table 2
Proposed Project Updates

110 - Livermore (LIV) - District

PID	Description	Adopted Budget¹	Proposed Cost¹	Proposed Year
110MRP24	LIV 2024 Main Replacement Program	\$6,145,655	\$6,073,738	2024
LIV0900	Meter Replacement Program	n/a	\$186,444	2021
00124261	Livermore WSFMP	\$349,780	\$365,744	2025
00124293	LIV 020-01: Well Renewal	\$278,329	\$297,084	2025
00124076	LIV Crane Ridge 001 New Generator	\$281,718	\$320,737	2025
00124154	LIV 2024 Flowmeter Replacement	\$270,550	\$290,136	2024
00123503	LIV 34 New 2,000 gal. Press. Tank	\$273,661	\$530,182	2025
00124351	Livermore Reliability Study	\$230,842	\$259,591	2025
00123999	LIV Turnout 5 RTU Install	\$147,664	\$190,442	2025
00124725	LIV 2023 Physical Security Upgrades	\$483,186	\$73,869	2024
00124768	LIV 2024 Physical Security Upgrades	\$377,169	\$440,145	2026
00125015	LIV 2023 SB1398 Service Replacement	\$98,652	\$112,217	2024
00117432	LIV 2019 Flowmeter Replacements	\$90,277	\$80,802	2024
00124690	LIV 2022 Physical Security Upgrades	\$435,700	\$484,672	2024
00123857	LIV 009-T4 - Tank Retrofits	\$84,741	\$64,375	2024
00125014	LIV 2022 SB1398 Service Replacement	\$85,515	\$94,883	2024
00125080	LIV 2023 Analyzer Replacements	\$78,999	\$87,334	2024
00125126	LIV 19-01 Replace Pump & Motor	\$83,681	\$101,190	2024
00123400	LIV Tank Exterior Ladder Lifelines	\$65,353	\$81,580	2024
00124440	LIV Pressure Vessels Ladder/Plat	\$56,638	\$61,796	2025
00124078	LIV 025-B - Replace Pump & Motor	\$54,858	\$56,313	2024
00123749	LIV 2023 Vehicle Replacemnt Program	\$46,076	\$47,698	2024

1) Reflects Total Costs (Direct Costs + Indirect Costs)

**RO Plant Table 2
Proposed Project Updates**

110 - Livermore (LIV) - District

PID	Description	Adopted Budget¹	Proposed Cost¹	Proposed Year
00125124	LIV 13-E Replace Pump & Motor	\$55,665	\$68,214	2025
00124074	LIV 023-G Replace Pump & Motor	\$54,858	\$62,159	2024
00124072	LIV 016-A Replace Pump & Motor	\$53,067	\$59,417	2025
00124084	LIV 026-B - Replace Pump & Motor	\$39,303	\$50,595	2024
00125077	LIV 14 Analyzer Replacment	\$33,544	\$36,744	2024
00123467	LIV 022-T2 - Tank Retrofits	\$28,449	\$33,899	2024
00123468	LIV 022-T1 - Tank Retrofits	\$26,613	\$47,804	2024
00123330	LIV 018-T2 - Tank Retrofits	\$26,107	\$19,159	2024
00123492	LIV 2023 Control Valve Overhaul	\$22,594	\$48,451	2024
00123663	LIV 025-T3 - Tank Retrofit	\$13,884	\$16,284	2024
00123496	LIV 2024 Control Valve Overhaul	\$19,128	\$48,451	2024
00123490	LIV 2022 Control Valve Overhaul	\$16,725	\$47,807	2024
00125141	LIV 2022 Sample Site	\$8,105	\$9,596	2024
00123204	LIV 013-T2 - Tank Retrofits	\$6,047	\$8,796	2024
00115382	LIV 019-A Replace Pump and Motor	\$0	\$1,474	2024
00115386	LIV 015-01 Replace Pump and Motor	\$0	\$39,192	2025
00116006	LIV 023-T1 - Tank Retrofits	\$0	\$2,089	2024
00117363	LIV 28 Generator & VFD	\$0	\$372,097	2025
00117367	LIV 14 Panelboard	\$0	\$354,619	2025
00117436	LIV 2021 Flowmeter Replacements	\$0	\$115,913	2024
00123500	LIV Land Purchase for New Well	\$0	\$1,395,193	2025
00123695	LIV028-PT2 Pressure Vessel Rplcmt	\$334,364	\$586,274	2025

1) Reflects Total Costs (Direct Costs + Indirect Costs)
2024 GRC Application - LIV RO Book

RO Plant Table 2
Proposed Project Updates

110 - Livermore (LIV) - District

PID	Description	Adopted Budget¹	Proposed Cost¹	Proposed Year
00125632	LIV New Main Livermore & Concannon	\$0	\$2,590,827	2024
00124142	LIV 2022 Flowmeter Replacement	\$332,611	\$388,602	2024
00124146	LIV 2023 Flowmeter Replacement	\$301,319	\$352,710	2025
00124033	LIV Turnout 6 RTU Install	\$153,031	\$172,724	2025
00123478	LIV 2022 Control Valve Replacement	\$162,684	\$206,029	2024
00123481	LIV 2024 Control Valve Replacement	\$129,539	\$151,840	2025
00124885	LIV 028-A Replace Pump & Motor	\$54,858	\$62,749	2024
00124887	LIV 028-B Replace Pump & Motor	\$54,858	\$62,749	2024
00123479	LIV 2023 Control Valve Replacement	\$96,889	\$117,570	2024
00123506	LIV Sta 8 New Booster Sta - Design	\$0	\$1,491,404	2026
00124021	LIV 2024 Customer Meter Vault Lids	\$16,741	\$19,077	2024
00124020	LIV 2023 Customer Meter Vault Lids	\$16,153	\$18,612	2024
00124018	LIV Customer Meter Vault Lids	\$16,194	\$18,158	2024
00123501	LIV New Well	n/a	\$4,433,186	2027
00132954	LIV 34 - VFD INSTALLATION	n/a	\$104,564	2024
00133929	LIV SERVER ROOM UPS	n/a	\$4,458	2024
00122993	LIV S Livermore/Concannon New Main	\$0	\$0	2026
00123106	Purchase Land for Well in Zone 610	\$0	\$914,112	2026
00123160	New Well-Livermore	\$0	\$4,302,978	2024
00133734	LIV-10 GAC REPLACEMENT	n/a	\$202,380	2024
110-NON-SP	110- Livermore Non-specific	n/a	\$369,550	2021
110UNSCH	LIV Unscheduled Replacements	\$1,162,198	\$1,187,373	2021

1) Reflects Total Costs (Direct Costs + Indirect Costs)

**RO Plant Table 3
All 2021 GRC Projects Report**

110 - Livermore (LIV) - District

Project	Description	Adopted Year	Adopted Budget¹	PowerPlan Status
00123500	LIV Land Purchase for New Well	2022	\$0	initiated
00125632	LIV New Main Livermore & Concannon	2023	\$0	open
00123503	LIV 34 New 2,000 gal. Press. Tank	2022	\$273,661	open
00123506	LIV Sta 8 New Booster Sta - Design	2024	\$0	initiated
00123695	LIV028-PT2 Pressure Vessel Rplcmt	2023	\$334,364	open
00123999	LIV Turnout 5 RTU Install	2023	\$147,664	open
00124033	LIV Turnout 6 RTU Install	2024	\$153,031	initiated
00124076	LIV Crane Ridge 001 New Generator	2024	\$281,718	open
00124690	LIV 2022 Physical Security Upgrades	2022	\$435,700	completed
00124725	LIV 2023 Physical Security Upgrades	2023	\$483,186	completed
00124768	LIV 2024 Physical Security Upgrades	2024	\$377,169	open
00124293	LIV 020-01: Well Renewal	2022	\$278,329	open
00123204	LIV 013-T2 - Tank Retrofits	2024	\$6,047	posted to CPR
00123330	LIV 018-T2 - Tank Retrofits	2022	\$26,107	posted to CPR
00123339	LIV 029-T1 - CP Upgrade	2022	\$15,827	posted to CPR
00123400	LIV Tank Exterior Ladder Lifelines	2022	\$65,353	completed
00123467	LIV 022-T2 - Tank Retrofits	2023	\$28,449	posted to CPR
00123468	LIV 022-T1 - Tank Retrofits	2023	\$26,613	posted to CPR
00123478	LIV 2022 Control Valve Replacement	2022	\$162,684	completed
00123479	LIV 2023 Control Valve Replacement	2023	\$96,889	open
00123481	LIV 2024 Control Valve Replacement	2024	\$129,539	open
00123490	LIV 2022 Control Valve Overhaul	2022	\$16,725	open

1) Reflects Total Costs (Direct Costs + Indirect Costs)

RO Plant Table 3
All 2021 GRC Projects Report

110 - Livermore (LIV) - District

Project	Description	Adopted Year	Adopted Budget¹	PowerPlan Status
00123492	LIV 2023 Control Valve Overhaul	2023	\$22,594	open
00123496	LIV 2024 Control Valve Overhaul	2024	\$19,128	open
00123663	LIV 025-T3 - Tank Retrofit	2024	\$13,884	completed
00123857	LIV 009-T4 - Tank Retrofits	2024	\$84,741	open
00124072	LIV 016-A Replace Pump & Motor	2022	\$53,067	open
00124074	LIV 023-G Replace Pump & Motor	2024	\$54,858	initiated
00124078	LIV 025-B - Replace Pump & Motor	2024	\$54,858	initiated
00124084	LIV 026-B - Replace Pump & Motor	2023	\$39,303	open
00124142	LIV 2022 Flowmeter Replacement	2022	\$332,611	open
00124146	LIV 2023 Flowmeter Replacement	2023	\$301,319	open
00124154	LIV 2024 Flowmeter Replacement	2024	\$270,550	open
00124440	LIV Pressure Vessels Ladder/Plat	2022	\$56,638	initiated
00124885	LIV 028-A Replace Pump & Motor	2024	\$54,858	initiated
00124887	LIV 028-B Replace Pump & Motor	2024	\$54,858	initiated
00125124	LIV 13-E Replace Pump & Motor	2023	\$55,665	open
00125126	LIV 19-01 Replace Pump & Motor	2022	\$83,681	open
00125034	LIV Sta. 34 Chloramination Trailer	2023	\$299,167	initiated
00125077	LIV 2022 Analyzer Replacment	2022	\$33,544	open
00125080	LIV 2023 Analyzer Replacements	2023	\$78,999	open
00125141	LIV 2022 Sample Site	2022	\$8,105	open
110MRP22	LIV 2022 Main Replacement Program	2022	\$5,944,958	posted to CPR
110MRP23	LIV 2023 Main Replacement Program	2023	\$5,930,095	posted to CPR

1) Reflects Total Costs (Direct Costs + Indirect Costs)

**RO Plant Table 3
All 2021 GRC Projects Report**

110 - Livermore (LIV) - District

Project	Description	Adopted Year	Adopted Budget¹	PowerPlan Status
110MRP24	LIV 2024 Main Replacement Program	2024	\$6,145,655	open
00125014	LIV 2022 SB1398 Service Replacement	2022	\$85,515	initiated
00125015	LIV 2023 SB1398 Service Replacement	2023	\$98,652	initiated
00124018	LIV Customer Meter Vault Lids	2022	\$16,194	initiated
00124020	LIV 2023 Customer Meter Vault Lids	2023	\$16,153	initiated
00124021	LIV 2024 Customer Meter Vault Lids	2024	\$16,741	initiated
00123505	LIV Wildfire PBC 690/760 Zone	2022	\$45,492	posted to CPR
00123749	LIV 2023 Vehicle Replacemnt Program	2023	\$46,076	posted to CPR
00124261	Livermore WSFMP	2023	\$349,780	open
00124351	Livermore Reliability Study	2023	\$230,842	posted to CPR
LIV0900	Meter Replacement Program	2022	\$182,491	posted to CPR
LIV0900	Meter Replacement Program	2023	\$182,035	posted to CPR
LIV0900	Meter Replacement Program	2024	\$188,652	posted to CPR
110UNSCH	Unscheduled Replacements	2022	\$1,162,198	posted to CPR
110UNSCH	Unscheduled Replacements	2023	\$1,159,292	posted to CPR
110UNSCH	Unscheduled Replacements	2024	\$1,201,433	posted to CPR
00115089	Livermore 16 Panelboard Replacement	2023	\$0	cancelled
00117363	LIV 28 Generator & VFD	2023	\$0	open
00114282	LIV Nitrification Study	2021	\$38,538	posted to CPR
00114893	LIV 025-T2 - CP Upgrade	2021	\$12,273	posted to CPR
00115381	LIV 031-01 Replace Pump and Motor	2021	\$111,745	posted to CPR
00115382	LIV 019-A Replace Pump and Motor	2022	\$0	open

1) Reflects Total Costs (Direct Costs + Indirect Costs)

**RO Plant Table 3
All 2021 GRC Projects Report**

110 - Livermore (LIV) - District

Project	Description	Adopted Year	Adopted Budget¹	PowerPlan Status
00115385	LIV 024-01 Replace Pump and Motor	2021	\$126,754	posted to CPR
00115386	LIV 015-01 Replace Pump and Motor	2022	\$0	open
00115686	2019 Control Valve Overhaul -110	2021	\$42,849	posted to CPR
00115718	LIV 025-T2 - Repl Int Saf-T Climb	2021	\$16,343	posted to CPR
00115817	2020 Vehicle Replacement Program	2021	\$49,742	posted to CPR
00115818	2021 Vehicle Replacement Program	2021	\$101,695	posted to CPR
00115922	LIV 2019 Control Valve Replacement	2021	\$49,158	posted to CPR
00115924	LIV 2020 Control Valve Replacement	2021	\$51,117	cancelled
00115925	LIV 2021 Control Valve Replacement	2021	\$36,202	cancelled
00115928	LIV 028 PT1 - Replace Pressure Tank	2021	\$418,379	posted to CPR
00115985	Replace Redwood Tank at LIV STA 13	2022	\$0	posted to CPR
00115999	Replace Redwood Tank at LIV STA 16	2022	\$0	cancelled
00116006	LIV 023-T1 - Tank Retrofits	2022	\$0	completed
00116218	2021 Control Valve Overhaul 110	2021	\$47,339	cancelled
00116407	LIV 2019 Anayzer Replacement	2021	\$34,808	posted to CPR
00116408	LIV 2020 Analyzer Replacements	2021	\$19,716	posted to CPR
00116409	LIV 2021 Analyzer Replacements	2021	\$34,338	posted to CPR
00117039	LIV 2019 Physical Security Upgrades	2021	\$317,976	posted to CPR
00117040	LIV 2020 Physical Security Upgrades	2021	\$288,338	posted to CPR
00117041	LIV 2021 Physical Security Upgrades	2022	\$0	posted to CPR
00117364	LIV 8 Generator	2022	\$0	posted to CPR
00117366	LIV 13 Generator	2021	\$270,106	posted to CPR

1) Reflects Total Costs (Direct Costs + Indirect Costs)

**RO Plant Table 3
All 2021 GRC Projects Report**

110 - Livermore (LIV) - District

Project	Description	Adopted Year	Adopted Budget¹	PowerPlan Status
00117367	LIV 14 Panelboard	2022	\$0	unitized
00117432	LIV 2019 Flowmeter Replacements	2021	\$90,277	posted to CPR
00117433	LIV 2020 Flowmeter Replacements	2021	\$153,299	posted to CPR
00117436	LIV 2021 Flowmeter Replacements	2022	\$0	completed
LIV0900	Meter Replacement Program	2021	\$158,538	posted to CPR
00097722	Sta. 18 Booster Modification	2021	\$1,121,095	posted to CPR
00097954	LIV 026-A Replace Pump and Motor	2022	\$0	cancelled
00098023	Replace panelboard @ LIV Sta 9	2021	\$274,904	posted to CPR
00098868	Flow meter Zone 7 TO #VI	2021	\$62,046	posted to CPR
00121492	LIV FH/PB Connections (PSPS)	2021	\$33,137	posted to CPR
00122938	Install Backup Generator LIV 010	2021	\$76,345	posted to CPR
00122991	LIV Las Colinas Fire Hydrant	2021	\$40,925	cancelled
00122993	LIV Arroyo/College New Main	2022	\$0	open
00122994	LIV 685/740 Zone Fire Hydrants	2022	\$0	cancelled
00123106	Purchase Land for Well in Zone 610	2022	\$0	open
00123160	New Well-Livermore	2024	\$0	open
110MRP21	2021 LIV Mainline Replacement Program	2021	\$0	
00119083	3850' 8"/12" DI East Ave	2021	\$247,270	posted to CPR

1) Reflects Total Costs (Direct Costs + Indirect Costs)

RO Plant Table 4
Recorded versus Estimated Plant Additions

110 - Livermore (LIV) - District

<u>Plant Additions</u> ¹			
	2021	2022	2023
CPUC Adopted ²	\$ 5,746,205	\$ 10,016,892	\$ 10,664,631
Recorded	\$ 2,829,359	\$ 5,602,345	\$ 13,706,116

1) Reflects Total Costs (Direct Costs + Indirect Costs) and includes Contributions and Advances

2) Excludes Advice Letter Projects

Livermore Non-Specific Expenditure for Calender Years 2014-2023 - 10 Year history										
Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
01 LAND	0	0	0	0	0	0	73,983	24,368	23,654	3,634
02 STRUC	18,129	8,230	25,766	37,065	23,636	20,279	1,606	10,914	3,554	0
03 WELLS	0	664	(624)	0	0	0	0	0	10,297	2,544
04 STORAGE	46,074	12,163	78,860	0	0	814	32,585	8,589	14,225	134
05 PUMPS	148,397	121,519	191,875	90,335	125,824	31,717	20,063	93,698	110,305	4,572
06 PURIFICATION	51,698	3,396	138,101	103,162	25,336	77,188	0	25,619	0	102,149
07 MAINS	58,895	413	42,530	2,793	83,319	194,944	52,668	138,131	3,263	68,352
08 SERVICE	714	0	5,996	28,789	5,165	20,891	(5,621)	34,790	(40,453)	1,094
09 METER	0	0	12,770	0	0	0	0	0	0	0
10 HYDRANTS	0	0	0	0	0	0	0	0	0	0
11 EQUIPMENT	3,200	19,410	1,914	1,384	15,383	26,335	4,320	0	20,414	29,481
12 INTANGIBLE	0	0	0	104,650	(109,657)	0	0	0	0	0
Total Expended	327,107	165,796	497,188	368,177	169,004	372,168	179,605	336,109	145,258	211,959
Budget Amount	881,750	903,250	816,450	835,875	854,850	984,555	1,027,826	1,064,328	347,438	346,918

Livermore										
Unscheduled Expenditure for Calendar Years 2014-2023 - 10 Year history										
Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
07 MAINS	191,653	191,653	184,943	262,488	384,209	670,453	267,896	(58,145)	6,626	185,436
08 SERVICE	711,193	711,193	698,349	667,633	630,701	503,164	673,105	880,909	1,224,968	1,486,999
09 METER	139,068	139,068	191,914	111,063	157,223	212,825	85,924	177,554	114,463	133,098
10 HYDRANTS	29,125	29,125	32,184	30,302	8,485	20,496	12,709	39,506	11,190	3,436
Total Expended	1,071,039	1,071,039	1,107,391	1,071,486	1,180,619	1,406,938	1,039,634	1,039,824	1,357,247	1,808,969
Budget Amount*	0	0	0	0	0	0	0	0	1,162,198	1,159,292

* Included in Non-Specifics budget until 2022

Listing of Completed Projects Outside the GRC Cycle			
GRC Listed in RO book	PID #	Brief Description	Total Cost
2024	00098600	2017 LIV Control Valve Rplcmnt.	\$ 74,573
2018	00097892	Replace Pump	\$ 68,876
2018	00097949	Replace Pump	\$ 57,349
2018	00097953	Replace Pump	\$ 53,229

CHAPTER 8

CALCULATIONS FOR RECORDED AND PROPOSED PLANT

Utility Plant in Service (UPIS)

Table8UPIS

110 - Livermore (LIV)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	Adopted 2023
BEGINNING OF YEAR BALANCE	\$ 85,494,011	\$ 94,769,922	\$ 110,936,281	\$ 113,530,214	\$ 118,812,854	\$ 131,347,153	\$ 149,135,942	\$ 165,556,370	\$ 181,706,193	\$ 122,852,736
Non-Regulated Contracts Synergy and Misc. Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cap Interest Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,232	\$ 20,508	\$ 17,785	\$ 15,061	\$ 25,956
Carry forward Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,101,369)
ADJUSTED BALANCE	\$ 85,494,011	\$ 94,769,922	\$ 110,936,281	\$ 113,530,214	\$ 118,812,854	\$ 131,370,385	\$ 149,156,450	\$ 165,574,155	\$ 181,721,253	\$ 119,777,323
Gross Additions (includes input adj)	\$ 9,558,798	\$ 16,580,528	\$ 2,829,359	\$ 5,602,345	\$ 13,706,116	\$ 18,308,232	\$ 16,991,461	\$ 16,702,723	\$ 22,818,263	\$ -
<u>Additions to plant</u>										
Company-funded plant	\$ 9,097,743	\$ 16,481,501	\$ 2,744,471	\$ 5,411,002	\$ 13,202,004	\$ 17,497,471	\$ 16,131,834	\$ 15,863,952	\$ 21,922,140	\$ (390,576)
Advance deposits for specific plant	\$ 289,336	\$ -	\$ -	\$ -	\$ 411,882	\$ 140,244	\$ 140,244	\$ 140,244	\$ 140,244	\$ 263,655
Contributions	\$ 171,719	\$ 99,028	\$ 84,889	\$ 191,343	\$ 92,231	\$ 127,842	\$ 127,842	\$ 127,842	\$ 127,842	\$ 126,921
Retirements	\$ (282,887)	\$ (414,170)	\$ (235,426)	\$ (399,993)	\$ (1,171,817)	\$ (542,676)	\$ (591,541)	\$ (570,685)	\$ (628,038)	\$ -
Total	\$ 9,275,912	\$ 16,166,358	\$ 2,593,933	\$ 5,202,352	\$ 12,534,300	\$ 17,765,557	\$ 16,399,920	\$ 16,132,038	\$ 22,190,226	\$ -
System Adjustments	\$ -	\$ -	\$ -	\$ 80,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Additions with Adjustments	\$ 9,275,912	\$ 16,166,358	\$ 2,593,933	\$ 5,282,640	\$ 12,534,300	\$ 17,765,557	\$ 16,399,920	\$ 16,132,038	\$ 22,190,226	\$ -
End of Year Balance	\$ 94,769,922	\$ 110,936,281	\$ 113,530,214	\$ 118,812,854	\$ 131,347,153	\$ 149,135,942	\$ 165,556,370	\$ 181,706,193	\$ 203,911,479	\$ 119,777,323
WEIGHTED AVERAGE ADDITIONS	\$ 4,095,106	\$ 7,137,083	\$ 1,145,163	\$ 2,332,166	\$ 5,533,611	\$ 7,843,093	\$ 7,240,195	\$ 7,121,931	\$ 9,796,484	\$ 4,532,283
WEIGHTED AVERAGE ADJUSTED PLANT IN SERVICE	\$ 89,589,116	\$ 101,907,005	\$ 112,081,444	\$ 115,862,380	\$ 124,346,464	\$ 139,190,246	\$ 156,376,137	\$ 172,678,301	\$ 191,502,677	\$ 127,385,018
MDR II.D.3 -% Change	8.4%	13.7%	10.0%	3.4%	7.3%	11.9%	12.3%	10.4%	10.9%	0.0%
AVERAGE SERVICES EXCL FIRE PROT	18,436	18,492	18,537	18,575	18,600	18,655	18,699	18,742	18,785	18,727
MDR II.D.4 PLANT IN SERVICE PER CUSTOMER	\$ 4,859.6 8.2%	\$ 5,510.9 13.4%	\$ 6,046.4 9.7%	\$ 6,237.5 3.2%	\$ 6,685.5 7.2%	\$ 7,461.1 11.6%	\$ 8,363.0 12.1%	\$ 9,213.6 10.2%	\$ 10,194.5 10.6%	\$ 6,802.2 0.0%

Weighting Factor of Plant Additions

WP8A1

110 - Livermore (LIV)

	2019	2020	2021	2022	2023	2024	2025	2026	2027
WEIGHTED AVERAGE ADDITIONS AS A PERCENTAGE OF TOTAL ADDITIONS	53.2%	40.0%	62.2%	47.4%	18.0%	44.1%	44.1%	44.1%	44.1%

Method:
Five-Year Average

Adjustments to Plant in Service

WP8A2

110 - Livermore (LIV)

Item	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. ADJUSTMENT FOR HISTORICAL CAP INT	\$0	\$0	\$0	\$0	\$0	\$23,232	\$20,508	\$17,785	\$15,061
2. GENERAL PLANT ADJUSTMENTS									
Non -Regulated Contracts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ratebase Write-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Premerger/Synergy Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Carry forward Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL ADJUSTMENT	\$0	\$0	\$0	\$0	\$0	\$23,232	\$20,508	\$17,785	\$15,061

** There is no recorded numbers because they are only rate making adjustments

Advance Budget Translator

Table881

110 - Livermore (LIV)

	2024	2025	2026	2027	2024	2025	2026	2027	2024	2025	2026	2027
Current Plant Balance					ACB	ACB	ACB	% for ACB Adv.				
LAND, LAND RIGHTS, INTANGIBLES									\$268,085	\$268,085	\$268,085	\$268,085
103010 Organization	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103020 Franchises and Consents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103030 Other Intangible Plant	\$36,610	\$3,339	\$597,758	(\$28,096)	(\$28,327)	\$3,339	\$597,758	(\$28,096)	0.0%			
103061 Land	\$201,222	\$2,428,825	\$1,312,463	\$861,563	\$4,642	\$2,428,825	\$1,312,463	\$861,563	0.0%			
103062 Land Rights	\$13,422	\$162,002	\$87,541	\$57,466	\$310	\$162,002	\$87,541	\$57,466	0.0%			
WATER SUPPLY PROJECTS												
Structures and Improvements - Supply												
103110 Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103120 Collecting and Impounding Reservoirs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103130 Lake, River and Other Intakes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103150 Wells - Supply plant	\$535,417	\$4,303,079	\$255,472	\$339,239	\$4,775,183	\$4,303,079	\$255,472	\$339,239	0.0%	\$0	\$0	\$0
103160 Supply Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103163 Steel - Supply Main	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
103164 All Other - Supply Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%			
PUMPING PLANT PROJECTS												
Structures and Improvements -												
103210 Pumping Plant	\$4,265,544	\$340,526	\$685,529	\$1,430,465	\$21,545	\$331,361	\$676,364	\$1,421,300	3.4%	\$9,165	\$9,165	\$9,165
103211 Pavement - Pumping Plant	\$88,448	\$7,061	\$14,215	\$29,661	\$447	\$6,871	\$14,025	\$29,471	0.1%	\$190	\$190	\$190
103240 Pumping Equipment	\$12,186,690	\$1,389,900	\$2,808,370	\$865,301	\$2,083,806	\$1,363,717	\$2,782,187	\$839,118	9.8%	\$26,183	\$26,183	\$26,183
103241 System Ctrl Computer Equipment	\$1,529,577	\$174,449	\$352,484	\$108,606	\$261,543	\$171,163	\$349,198	\$105,319	1.2%	\$3,286	\$3,286	\$3,286
103250 Other Pumping Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0
TREATMENT PLANT PROJECTS												
Structures and Improvements -												
103310 Treatment Plant	\$1,340,609	\$104,143	\$212,573	\$446,697	\$3,891	\$104,143	\$212,573	\$446,697	0.0%	\$0	\$0	\$0
103320 Water Treatment Equipment	\$2,590,406	\$408,522	\$55,233	\$217,144	\$4,066,372	\$408,522	\$55,233	\$217,144	0.0%	\$0	\$0	\$0
TRANSMISSION AND DISTRIBUTION PROJECTS												
Structures and Improvements -												
103410 Transmission and Distribution	\$834,147	\$66,591	\$134,058	\$279,734	\$4,213	\$64,799	\$132,266	\$277,942	0.7%	\$1,792	\$1,792	\$1,792
103411 Pavement - Trans & Dist Plant	\$217,476	\$17,361	\$34,951	\$72,931	\$1,098	\$16,894	\$34,484	\$72,464	0.2%	\$467	\$467	\$467
103420 Reservoirs and Tanks	\$8,271,384	\$690,027	\$280,869	\$1,650,170	\$53,366	\$672,256	\$263,097	\$1,632,399	6.6%	\$17,771	\$17,771	\$17,771
103421 Tank Painting	\$1,320,224	\$2,837	\$2,837	\$2,837	\$2,837	\$0	\$0	\$0	1.1%	\$2,837	\$2,837	\$2,837
103431 A.C.-Trans & Distrib Mains	\$7,205,909	\$785,571	\$920,436	\$950,803	\$1,124,270	\$770,089	\$904,954	\$935,321	5.8%	\$15,482	\$15,482	\$15,482
103432 Cast Iron Pipe-T & D Mains	\$94,448	\$10,296	\$12,064	\$12,462	\$14,736	\$10,094	\$11,861	\$12,259	0.1%	\$203	\$203	\$203
103433 Steel-Trans & Distrib Mains	\$619,872	\$67,577	\$79,178	\$81,791	\$96,713	\$66,245	\$77,847	\$80,459	0.5%	\$1,332	\$1,332	\$1,332
103434 All Other-Trans & Dist Mains	\$5,119,273	\$558,091	\$653,903	\$675,476	\$798,712	\$547,092	\$642,904	\$664,478	4.1%	\$10,999	\$10,999	\$10,999
103435 Ductile Iron Pipe-T&D Mains	\$22,647,984	\$2,469,031	\$2,892,907	\$2,988,350	\$3,533,550	\$2,420,371	\$2,844,248	\$2,939,690	18.2%	\$48,660	\$48,660	\$48,660
103436 Plastic Pipe-T & D Mains	\$26,088,473	\$2,844,105	\$3,332,373	\$3,442,315	\$4,070,337	\$2,788,053	\$3,276,321	\$3,386,263	20.9%	\$56,052	\$56,052	\$56,052
103440 Fire Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%	\$0	\$0	\$0
103450 Services	\$26,175,141	\$986,377	\$1,136,811	\$1,161,083	\$1,170,193	\$930,139	\$1,080,573	\$1,104,845	21.0%	\$56,238	\$56,238	\$56,238
103460 Meters	\$4,730,107	\$309,285	\$298,861	\$305,367	\$307,793	\$299,122	\$288,698	\$295,204	3.8%	\$10,163	\$10,163	\$10,163
103480 Hydrants	\$3,381,647	\$50,609	\$108,711	\$110,997	\$111,849	\$43,343	\$101,445	\$103,731	2.7%	\$7,266	\$7,266	\$7,266
GENERAL PLANT												
Structures and Improvements -												
103710 General Plant	\$780,013	\$60,594	\$123,682	\$259,904	\$2,264	\$60,594	\$123,682	\$259,904	0.0%			
103711 Driveway Pavement	\$11,531	\$896	\$1,828	\$3,842	\$33	\$896	\$1,828	\$3,842	0.0%			
103720 Office Furniture and Equipment	\$69,146	\$5,103	\$2,107	\$12,350	\$2,213	\$5,103	\$2,107	\$12,350	0.0%			
103721 Office Equipment - Computers	\$20,512	\$2,684	\$2,107	\$5,179	\$2,213	\$2,684	\$2,107	\$5,179	0.0%			
103722 Computer Software	\$1,664	\$2,107	\$2,107	\$2,154	\$2,213	\$1,664	\$2,107	\$2,154	0.0%			
103730 Transportation	\$685,910	\$52,691	\$583,709	\$350,470	\$323,611	\$52,691	\$583,709	\$350,470	0.0%			
103740 Stores Equipment	\$40,752	\$624	\$790	\$808	\$830	\$624	\$790	\$808	0.0%			

Advance Budget Translator

Table8B1

110 - Livermore (LIV)

	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	
Current Plant	ACB plus	ACB plus	ACB plus	ACB plus	ACB	ACB	ACB	% for	Advances Plus Contributions				
Balance	extensions	extensions	extensions	extensions	ACB	ACB	ACB	ACB Adv.					
103750 Laboratory Equipment	\$0	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103760 Communication Equipment	\$0	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103770 Power Operated Equipment	\$851	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103780 Tools, Shop and Garage	\$244,406	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103790 Other General Plant	\$0	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103900 Other Tangible Plant	\$0	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
103910 Utility Plant Purchased	\$0	\$624	\$790	\$808	\$830	\$624	\$790	\$808	\$830	0.0%			
ALL STRUCTURES (A)	\$7,537,769												
TOTAL COMPANY FUNDED -- \$ AMOUNT	\$131,347,153	\$18,308,232	\$16,991,461	\$16,702,723	\$22,818,263	\$18,040,147	\$16,723,375	\$16,434,638	\$22,550,178	\$268,085	\$268,085	\$268,085	\$268,085
	\$131,347,153									\$0.0	\$0.0	\$0.0	\$0.0

Company-Funded Additions to Plant in Service

WP8B2

110 - Livermore (LIV)

Retirements
Based on 3-year Average recorded Retirements
Except Vehicles Based on Budget

	Plant Additions Based on Expected Projects Closed to Plant: Using the Budget Translator					Retirements Based on 3-year Average recorded Retirements Except Vehicles Based on Budget				EOY Balance				
	EOY Balance	2023	2024	2025	2026	2027	2024	2025	2026	2027	2024	2025	2026	2027
LAND, LAND RIGHTS, INTANGIBLES														
103010 Organization	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103020 Franchises and Consents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103030 Other Intangible Plant	\$36,610	\$3,339	\$597,758	(\$28,096)	(\$28,327)	\$0	\$0	\$0	\$0	\$39,949	\$637,707	\$609,611	\$581,284	
103061 Land	\$201,222	\$2,428,825	\$1,312,463	\$861,563	\$4,642	\$0	\$0	\$0	\$0	\$2,630,047	\$3,942,510	\$4,804,073	\$4,808,715	
103062 Land Rights	\$13,422	\$162,002	\$87,541	\$57,466	\$310	\$0	\$0	\$0	\$0	\$175,424	\$262,965	\$320,431	\$320,741	
WATER SUPPLY Structures and Improvements - Supply														
103110 Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Collecting and Impounding														
103120 Reservoirs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lake, River and Other														
103130 Intakes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103150 Wells - Supply plant	\$535,417	\$4,303,079	\$255,472	\$339,239	\$4,775,183	\$0	\$0	\$0	\$0	\$4,838,496	\$5,093,968	\$5,433,207	\$10,208,390	
103160 Supply Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103163 Steel - Supply Main	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103164 All Other - Supply Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PUMPING PLANT Structures and Improvements - Pumping														
103210 Plant	\$4,265,544	\$340,526	\$685,529	\$1,430,465	\$21,545	(\$12,572)	(\$12,572)	(\$12,572)	(\$12,572)	\$4,593,498	\$5,266,456	\$6,684,348	\$6,693,322	
103211 Pavement - Pumping Plant	\$88,448	\$7,061	\$14,215	\$29,661	\$447	\$0	\$0	\$0	\$0	\$95,509	\$109,724	\$139,385	\$139,832	
103240 Pumping Equipment System Ctrl Computer	\$12,186,690	\$1,389,900	\$2,808,370	\$865,301	\$2,083,806	(\$134,293)	(\$134,293)	(\$134,293)	(\$134,293)	\$13,442,298	\$16,116,375	\$16,847,383	\$18,796,896	
103241 Equipment	\$1,529,577	\$174,449	\$352,484	\$108,606	\$261,543	(\$882)	(\$882)	(\$882)	(\$882)	\$1,703,145	\$2,054,748	\$2,162,472	\$2,423,133	
103250 Other Pumping Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TREATMENT PLANT Structures and Improvements - Treatment														
103310 Plant	\$1,340,609	\$104,143	\$212,573	\$446,697	\$3,891	(\$53,508)	(\$53,508)	(\$53,508)	(\$53,508)	\$1,391,243	\$1,550,308	\$1,943,497	\$1,893,880	
Water Treatment														
103320 Equipment	\$2,590,406	\$408,522	\$55,233	\$217,144	\$4,066,372	(\$127,117)	(\$127,117)	(\$127,117)	(\$127,117)	\$2,871,810	\$2,799,926	\$2,889,953	\$6,829,207	
TRANSMISSION AND DISTRIBUTION Structures and Improvements - Transmission and														
103410 Distribution Pavement - Trans & Dist	\$834,147	\$66,591	\$134,058	\$279,734	\$4,213	(\$2,934)	(\$2,934)	(\$2,934)	(\$2,934)	\$897,805	\$1,028,930	\$1,305,730	\$1,307,009	
103411 Plant	\$217,476	\$17,361	\$34,951	\$72,931	\$1,098	\$0	\$0	\$0	\$0	\$234,837	\$269,788	\$342,720	\$343,818	
103420 Reservoirs and Tanks	\$8,271,384	\$690,027	\$280,869	\$1,650,170	\$53,366	(\$75,007)	(\$75,007)	(\$75,007)	(\$75,007)	\$8,886,404	\$9,092,266	\$10,667,429	\$10,645,788	
103421 Tank Painting	\$1,320,224	\$2,837	\$2,837	\$2,837	\$2,837	\$0	\$0	\$0	\$0	\$1,323,060	\$1,325,897	\$1,328,733	\$1,331,570	
103431 A.C.-Trans & Distrib Mains	\$7,205,909	\$785,571	\$920,436	\$950,803	\$1,124,270	(\$7,897)	(\$7,897)	(\$7,897)	(\$7,897)	\$7,983,583	\$8,896,122	\$9,839,028	\$10,955,401	
103432 Cast Iron Pipe-T & D Mains	\$94,448	\$10,296	\$12,064	\$12,462	\$14,736	(\$2,023)	(\$2,023)	(\$2,023)	(\$2,023)	\$102,721	\$112,763	\$123,203	\$135,916	
103433 Steel-Trans & Distrib Mains	\$619,872	\$67,577	\$79,178	\$81,791	\$96,713	(\$2,773)	(\$2,773)	(\$2,773)	(\$2,773)	\$684,676	\$761,082	\$840,099	\$934,039	

Company-Funded Additions to Plant in Service

WP8B2

110 - Livermore (LIV)

Retirements
Based on 3-year Average recorded Retirements
Except Vehicles Based on Budget

	EOY Balance	Plant Additions Based on Expected Projects Closed to Plant: Using the Budget Translator					Retirements Based on 3-year Average recorded Retirements Except Vehicles Based on Budget				EOY Balance			
		2023	2024	2025	2026	2027	2024	2025	2026	2027	2024	2025	2026	2027
LAND, LAND RIGHTS, INTANGIBLES All Other-Trans & Dist														
103434 Mains Ductile Iron Pipe-T&D	\$5,119,273	\$558,091	\$653,903	\$675,476	\$798,712	\$0	\$0	\$0	\$0	\$5,677,365	\$6,331,268	\$7,006,744	\$7,805,456	
103435 Mains	\$22,647,984	\$2,469,031	\$2,892,907	\$2,988,350	\$3,533,550	(\$934)	(\$934)	(\$934)	(\$934)	\$25,116,081	\$28,008,054	\$30,995,470	\$34,528,086	
103436 Plastic Pipe-T & D Mains	\$26,088,473	\$2,844,105	\$3,332,373	\$3,442,315	\$4,070,337	(\$492)	(\$492)	(\$492)	(\$492)	\$28,932,086	\$32,263,967	\$35,705,790	\$39,775,635	
103440 Fire Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
103450 Services	\$26,175,141	\$986,377	\$1,136,811	\$1,161,083	\$1,170,193	(\$5,045)	(\$5,045)	(\$5,045)	(\$5,045)	\$27,156,472	\$28,288,238	\$29,444,276	\$30,609,424	
103460 Meters	\$4,730,107	\$309,285	\$298,861	\$305,367	\$307,793	(\$4,099)	(\$4,099)	(\$4,099)	(\$4,099)	\$5,035,293	\$5,330,055	\$5,631,323	\$5,935,018	
103480 Hydrants	\$3,381,647	\$50,609	\$108,711	\$110,997	\$111,849	(\$721)	(\$721)	(\$721)	(\$721)	\$3,431,535	\$3,539,524	\$3,649,799	\$3,760,928	
GENERAL PLANT Structures and Improvements - General														
103710 Plant	\$780,013	\$60,594	\$123,682	\$259,904	\$2,264	(\$17,364)	(\$17,364)	(\$17,364)	(\$17,364)	\$823,244	\$929,562	\$1,172,103	\$1,157,003	
103711 Driveway Pavement Office Furniture and Equipment	\$11,531	\$896	\$1,828	\$3,842	\$33	\$0	\$0	\$0	\$0	\$12,427	\$14,256	\$18,098	\$18,132	
103720 Office Equipment - Computers	\$69,146	\$5,103	\$2,107	\$12,350	\$2,213	(\$10,527)	(\$10,527)	(\$10,527)	(\$10,527)	\$63,722	\$55,302	\$57,126	\$48,812	
103721 Computer Software	\$20,512	\$2,684	\$2,107	\$5,179	\$2,213	(\$9,117)	(\$9,117)	(\$9,117)	(\$9,117)	\$14,079	\$7,069	\$3,130	(\$3,775)	
103730 Transportation	\$0	\$1,664	\$2,107	\$2,154	\$2,213	\$0	\$0	\$0	\$0	\$1,664	\$3,772	\$5,926	\$8,138	
103740 Stores Equipment	\$685,910	\$52,691	\$583,709	\$350,470	\$323,611	(\$28,324)	(\$77,189)	(\$56,334)	(\$113,686)	\$710,278	\$1,216,797	\$1,510,933	\$1,720,858	
103750 Laboratory Equipment	\$40,752	\$624	\$790	\$808	\$830	(\$1,446)	(\$1,446)	(\$1,446)	(\$1,446)	\$39,930	\$39,274	\$38,635	\$38,019	
103760 Communication Equipment Power Operated	\$0	\$624	\$790	\$808	\$830	(\$9,395)	(\$9,395)	(\$9,395)	(\$9,395)	(\$8,771)	(\$17,377)	(\$25,964)	(\$34,530)	
103770 Tools, Shop and Garage	\$851	\$624	\$790	\$808	\$830	\$0	\$0	\$0	\$0	\$1,475	\$2,265	\$3,073	\$3,903	
103780 Other General Plant	\$244,406	\$624	\$790	\$808	\$830	(\$32,466)	(\$32,466)	(\$32,466)	(\$32,466)	\$212,565	\$180,889	\$149,231	\$117,595	
103900 Other Tangible Plant	\$0	\$624	\$790	\$808	\$830	(\$3,024)	(\$3,024)	(\$3,024)	(\$3,024)	(\$2,400)	(\$4,634)	(\$6,850)	(\$9,044)	
103910 Utility Plant Purchased	\$0	\$624	\$790	\$808	\$830	(\$159)	(\$159)	(\$159)	(\$159)	\$465	\$1,095	\$1,744	\$2,414	
TOTAL COMPANY FUNDED	\$131,347,153	\$18,308,232	\$16,991,461	\$16,702,723	\$22,818,263	(\$542,676)	(\$591,541)	(\$570,685)	(\$628,038)	\$149,112,710	\$165,512,630	\$181,644,668	\$203,834,893	
\$ IN THOUSANDS	\$131,347.2	\$18,308.2	\$16,991.5	\$16,702.7	\$22,818.3	(\$542.7)	(\$591.5)	(\$570.7)	(\$628.0)	\$149,112.7	\$165,512.6	\$181,644.7	\$203,834.9	

Transportation Equipment

WP8B3

110 - Livermore (LIV)

**The Budget Cost in this list is estimated cost of vehicles only without any loading

Replacement Criteria: 120k miles

PID	YR	BUDG**	DESC	Details	OLD VID	YR PURCH	COST	TRADE IN \$ OF PRIOR VEH	MILEAGE
-----	----	--------	------	---------	---------	----------	------	--------------------------	---------

	2024	2025	2026	2027	Input from Fleet (should include additional and replacement vehicles)									
Gross Additions	\$ 40,127	\$ 1,116,106	\$ 279,583	\$ 817,684	132327	2025	\$ 372,035	Replace > 120k Miles	Vehicle - 1.0 Ton C&C & Upfitting	V205024	1/0/1900	\$ 18,961	\$ -	0
Retirements	\$ (28,324)	\$ (77,189)	\$ (56,334)	\$ (113,686)	132327	2025	\$ 372,035	Replace > 120k Miles	Vehicle - Sedan	V206014	1/0/1900	\$ 27,173	\$ -	0
					132327	2025	\$ 372,035	Replace > 120k Miles	Vehicle - SUV	V208175	1/0/1900	\$ 31,056	\$ -	0
					132328	2026	\$ 139,791	Replace > 120k Miles	Vehicle - 0.5 Ton Pickup & Upfitting	V211006	1/0/1900	\$ 28,858	\$ -	0
					132328	2026	\$ 139,791	Replace > 120k Miles	Vehicle - 0.5 Ton Pickup & Upfitting	V212010	1/0/1900	\$ 27,475	\$ -	0
					132329	2027	\$ 272,561	Replace > 120k Miles	Vehicle - 0.5 Ton Pickup & Upfitting	V215009	1/0/1900	\$ 35,720	\$ -	0
					132329	2027	\$ 272,561	Replace > 120k Miles	Vehicle - 0.5 Ton Pickup & Upfitting	V216057	1/0/1900	\$ 35,890	\$ -	0
					132329	2027	\$ 272,561	Replace > 120k Miles	Vehicle - Flushing	V215121	1/0/1900	\$ 42,077	\$ -	0
					123749	2024	\$ 40,127	Replace > 120k Miles	Vehicle - 0.5 Ton Pickup & Upfitting	V213023	1/0/1900	\$ 28,324	\$ -	0

\$ 2,253,499

\$ 275,533 \$ -

CHAPTER 9

RECORDED AND PROPOSED DEPRECIATION

Depreciation Reserve and Expense

Table9DEPR

110 - Livermore (LIV)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Depreciation Reserve									
Beginning of the year balance	\$30,719,826	\$32,787,232	\$35,605,735	\$38,549,182	\$41,384,428	\$43,490,149	\$46,529,905	\$50,015,117	\$53,268,204
Adjustment to Reserve Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Adjusted Beginning balance	\$30,719,826	\$32,787,232	\$35,605,735	\$38,549,182	\$41,384,428	\$43,490,149	\$46,529,905	\$50,015,117	\$53,268,204
Accruals during the year									
Carry Forward Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Adjustments/Transfers	(\$96,147)	\$507,065	\$14,949	(\$149,796)	\$11,284	\$0	\$0	\$0	\$0
Transportation equipment	(\$54,024)	(\$64,686)	(\$68,208)	(\$63,665)	(\$32,184)	(\$34,501)	(\$35,727)	(\$10,954)	(\$13,602)
Contributed Plant	(\$151,457)	(\$154,340)	(\$155,721)	(\$158,141)	(\$157,183)	(\$159,095)	(\$165,752)	(\$144,505)	(\$146,487)
Rate making Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net to Depreciation Expense	\$2,240,959	\$2,506,582	\$2,939,995	\$3,020,319	\$3,076,886	\$3,388,836	\$3,875,275	\$3,668,314	\$3,998,255
Total to Depreciation Accrual	\$2,240,959	\$2,506,582	\$2,939,995	\$3,020,319	\$3,076,886	\$3,388,836	\$3,875,275	\$3,668,314	\$3,998,255
TOTAL	\$2,446,440	\$2,725,608	\$3,163,924	\$3,242,124	\$3,266,252	\$3,582,432	\$4,076,753	\$3,823,773	\$4,158,345
Retirements and Adjustments									
Net Retirements	(\$282,887)	(\$414,170)	(\$235,426)	(\$257,082)	(\$1,171,817)	(\$542,676)	(\$591,541)	(\$570,685)	(\$628,038)
Net Additions	\$2,067,407	\$2,818,503	\$2,943,447	\$2,835,246	\$2,105,720	\$3,039,756	\$3,485,212	\$3,253,087	\$3,530,307
Weighted Average Balance	\$31,753,529	\$34,196,484	\$37,077,458	\$39,966,805	\$42,437,288	\$45,010,027	\$48,272,511	\$51,641,661	\$55,033,358
End of year balance	\$32,787,232	\$35,605,735	\$38,549,182	\$41,384,428	\$43,490,149	\$46,529,905	\$50,015,117	\$53,268,204	\$56,798,511
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Weighting	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Weighted net additions	\$1,033,703	\$1,409,251	\$1,471,723	\$1,417,623	\$1,052,860	\$1,519,878	\$1,742,606	\$1,626,544	\$1,765,154

Adopted Depreciation Rates

Table9B1Current

110 - Livermore (LIV)

Account Number	Description	2024	2025	2026	2027	Total Depreciation Rate (Adopted)	2024	2025	2026	2027
		(a)	(b)	(c)	(d)	(f)	(f) X (a)	(f) X (b)	(f) X (c)	(f) X (d)
Water Supply										
103110	STRUCTURES AND IMPROVEMENTS	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103120	COLLECTING AND IMPOUNDING RESERVOIRS	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103130	LAKE, RIVER AND OTHER INTAKES	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103150	WELLS	\$535,417	\$4,838,496	\$5,093,968	\$5,433,207	5.22%	\$27,948.8	\$252,569.5	\$265,905.1	\$283,613.4
103160	SUPPLY MAINS	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103163	STEEL - SUPPLY MAIN	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103164	All Other -Supply Mains	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
Pumping										
103210	STRUCTURES AND IMPROVEMENTS	\$4,265,544	\$4,593,498	\$5,266,456	\$6,684,348	4.21%	\$179,579.4	\$193,386.3	\$221,717.8	\$281,411.1
103211	Pavement - Pumping Plant	\$88,448	\$95,509	\$109,724	\$139,385	2.63%	\$2,326.2	\$2,511.9	\$2,885.7	\$3,665.8
103240	PUMPING EQUIPMENT	\$12,186,690	\$13,442,298	\$16,116,375	\$16,847,383	2.88%	\$350,976.7	\$387,138.2	\$464,151.6	\$485,204.6
103241	System Ctrl Computer Equipment	\$1,529,577	\$1,703,145	\$2,054,748	\$2,162,472	2.88%	\$44,051.8	\$49,050.6	\$59,176.7	\$62,279.2
103250	OTHER PUMPING PLANT	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
Treatment										
103310	STRUCTURES AND IMPROVEMENTS	\$1,340,609	\$1,391,243	\$1,550,308	\$1,943,497	3.39%	\$45,446.6	\$47,163.2	\$52,555.4	\$65,884.6
103320	WATER TREATMENT EQUIPMENT	\$2,590,406	\$2,871,810	\$2,799,926	\$2,889,953	2.20%	\$57,106.7	\$63,310.4	\$61,725.6	\$63,710.3
Transmission and Distribution										
103410	STRUCTURES AND IMPROVEMENTS	\$834,147	\$897,805	\$1,028,930	\$1,305,730	1.75%	\$14,597.6	\$15,711.6	\$18,006.3	\$22,850.3
103411	Pavement - Trans & Dist Plant	\$217,476	\$234,837	\$269,788	\$342,720	6.29%	\$13,679.2	\$14,771.3	\$16,969.7	\$21,557.1
103420	RESERVOIRS AND TANKS	\$8,271,384	\$8,886,404	\$9,092,266	\$10,667,429	3.18%	\$263,030.0	\$282,587.6	\$289,134.0	\$339,224.2
103421	TANK PAINTING	\$1,320,224	\$1,323,060	\$1,325,897	\$1,328,733	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
TRANSMISSION AND DISTRIBUTION MAINS										
103431	Transmission and Distribution Mains (761000) A.C.	\$7,205,909	\$7,983,583	\$8,896,122	\$9,839,028	2.05%	\$147,951.6	\$163,918.8	\$182,655.0	\$202,014.7
103432	Transmission and Distribution Mains (761000) Cast Iron Pipe	\$94,448	\$102,721	\$112,763	\$123,203	2.05%	\$1,939.2	\$2,109.1	\$2,315.2	\$2,529.6
103433	Transmission and Distribution Mains (761000) Steel	\$619,872	\$684,676	\$761,082	\$840,099	2.05%	\$12,727.2	\$14,057.8	\$15,626.5	\$17,248.9
103434	Transmission and Distribution Mains (761000) All Other	\$5,119,273	\$5,677,365	\$6,331,268	\$7,006,744	2.05%	\$105,108.8	\$116,567.5	\$129,993.5	\$143,862.3
103435	Transmission and Distribution Mains (761000) Ductile Iron	\$22,647,984	\$25,116,081	\$28,008,054	\$30,995,470	2.05%	\$465,008.0	\$515,682.9	\$575,060.8	\$636,398.4
103436	Transmission and Distribution Mains (761000) Plastic	\$26,088,473	\$28,932,086	\$32,263,967	\$35,705,790	2.05%	\$535,648.0	\$594,033.0	\$662,443.1	\$733,110.6
103440	FIRE MAINS	\$0	\$0	\$0	\$0	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103450	SERVICES	\$26,175,141	\$27,156,472	\$28,288,238	\$29,444,276	4.09%	\$1,069,515.5	\$1,109,612.6	\$1,155,856.6	\$1,203,092.2
103460	METERS	\$4,730,107	\$5,035,293	\$5,330,055	\$5,631,323	2.31%	\$109,197.2	\$116,242.6	\$123,047.3	\$130,002.3
103480	HYDRANTS	\$3,381,647	\$3,431,535	\$3,539,524	\$3,649,799	1.75%	\$59,178.8	\$60,051.9	\$61,941.7	\$63,871.5
General Plant										
103710	STRUCTURES AND IMPROVEMENTS	\$780,013	\$823,244	\$929,562	\$1,172,103	2.42%	\$18,876.3	\$19,922.5	\$22,495.4	\$28,364.9
103711	DRIVEWAY PAVEMENT	\$11,531	\$12,427	\$14,256	\$18,098	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103720	OFFICE FURNITURE AND EQUIPMENT	\$69,146	\$63,722	\$55,302	\$57,126	4.67%	\$3,229.1	\$2,975.8	\$2,582.6	\$2,667.8
103721	OFFICE EQUIPMENT - COMPUTERS	\$20,512	\$14,079	\$7,069	\$3,130	11.30%	\$2,317.9	\$1,590.9	\$798.8	\$353.7
103722	COMPUTER SOFTWARE	\$0	\$1,664	\$3,772	\$5,926	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103730	TRANSPORTATION	\$685,910	\$710,278	\$1,216,797	\$1,510,933	5.03%	\$34,501.3	\$35,727.0	\$61,204.9	\$75,999.9
103740	STORES EQUIPMENT	\$40,752	\$39,930	\$39,274	\$38,635	5.19%	\$2,115.0	\$2,072.4	\$2,038.3	\$2,005.2
103750	LABORATORY EQUIPMENT	\$0	\$69	\$304	\$557	26.68%	\$0.0	\$18.4	\$81.1	\$148.5
103760	COMMUNICATION EQUIPMENT	\$0	(\$8,771)	(\$17,377)	(\$25,964)	2.53%	\$0.0	(\$221.9)	(\$439.6)	(\$656.9)
103770	POWER OPERATED EQUIPMENT	\$851	\$1,475	\$2,265	\$3,073	-0.01%	(\$0.1)	(\$0.1)	(\$0.2)	(\$0.3)
103780	TOOLS, SHOP AND GARAGE EQUIPMENT	\$244,406	\$212,565	\$180,889	\$149,231	6.70%	\$16,375.2	\$14,241.8	\$12,119.6	\$9,998.5
103790	OTHER GENERAL PLANT	\$0	(\$2,400)	(\$6,850)	(\$6,850)	2.09%	\$0.0	(\$50.2)	(\$96.8)	(\$143.2)
103900	OTHER TANGIBLE PLANT	\$0	\$465	\$1,095	\$1,744	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
103910	UTILITY PLANT PURCHASED	\$0	\$624	\$1,414	\$2,222	0.00%	\$0.0	\$0.0	\$0.0	\$0.0
TOTAL		\$131,095,899.5	\$146,267,289.8	\$160,669,447.6	\$175,910,552.5		\$3,582,432.0	\$4,076,753.1	\$4,461,951.8	\$4,880,269.1
TOTAL EXCL TRANSP. EQUIP		\$130,409,989.2	\$145,557,012.0	\$159,452,650.4	\$174,399,619.3		\$3,547,930.7	\$4,041,026.1	\$4,400,746.9	\$4,804,269.2
TOTAL EXCL GEN'L PLANT		\$129,242,776.6	\$144,397,918.9	\$158,239,457.5	\$172,980,589.3		\$3,505,017.2	\$4,000,476.5	\$4,361,167.7	\$4,761,531.0
Total General Plant		\$1,853,122.9	\$1,869,370.9	\$2,429,990.1	\$2,929,963.3		\$77,414.8	\$76,276.6	\$100,784.0	\$118,738.1

Proposed Depreciation Rates

Table9B2Proposed

110 - Livermore (LIV)

Account Number	Description	2024	2025	2026	2027	Total Depreciation Rate (Proposed)	2024	2025	2026	2027
		(a)	(b)	(c)	(d)	(e)	(e) X (a)	(e) X (b)	(e) X (c)	(e) X (d)
Water Supply										
103110	STRUCTURES AND IMPROVEMENTS	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103120	COLLECTING AND IMPOUNDING RESERVOIRS	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103130	LAKE, RIVER AND OTHER INTAKES	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103150	WELLS	\$535,417	\$4,838,496	\$5,093,968	\$5,433,207	4.60%	\$24,638	\$222,653	\$234,409	\$250,019
103160	SUPPLY MAINS	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103163	STEEL - SUPPLY MAIN	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103164	All Other -Supply Mains	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
Pumping										
103210	STRUCTURES AND IMPROVEMENTS	\$4,265,544	\$4,593,498	\$5,266,456	\$6,684,348	1.86%	\$79,476	\$85,587	\$98,126	\$124,544
103211	Pavement - Pumping Plant	\$88,448	\$95,509	\$109,724	\$139,385	17.58%	\$15,550	\$16,791	\$19,291	\$24,505
103240	PUMPING EQUIPMENT	\$12,186,690	\$13,442,298	\$16,116,375	\$16,847,383	2.48%	\$302,685	\$333,870	\$400,287	\$418,444
103241	System Ctrl Computer Equipment	\$1,529,577	\$1,703,145	\$2,054,748	\$2,162,472	2.48%	\$37,991	\$42,302	\$51,034	\$53,710
103250	OTHER PUMPING PLANT	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
Treatment										
103310	STRUCTURES AND IMPROVEMENTS	\$1,340,609	\$1,391,243	\$1,550,308	\$1,943,497	1.63%	\$21,825	\$22,649	\$25,238	\$31,639
103320	WATER TREATMENT EQUIPMENT	\$2,590,406	\$2,871,810	\$2,799,926	\$2,889,953	1.74%	\$45,141	\$50,044	\$48,792	\$50,361
Transmission and Distribution										
103410	STRUCTURES AND IMPROVEMENTS	\$834,147	\$897,805	\$1,028,930	\$1,305,730	1.52%	\$12,694	\$13,663	\$15,659	\$19,871
103411	Pavement - Trans & Dist Plant	\$217,476	\$234,837	\$269,788	\$342,720	7.84%	\$17,055	\$18,417	\$21,158	\$26,877
103420	RESERVOIRS AND TANKS	\$8,271,384	\$8,886,404	\$9,092,266	\$10,667,429	1.98%	\$163,397	\$175,547	\$179,613	\$210,730
103421	TANK PAINTING	\$1,320,224	\$1,323,060	\$1,325,897	\$1,328,733	0.00%	\$0	\$0	\$0	\$0
TRANSMISSION AND DISTRIBUTION MAINS										
103431	Transmission and Distribution Mains (761000) A.C.	\$7,205,909	\$7,983,583	\$8,896,122	\$9,839,028	2.05%	\$147,598	\$163,527	\$182,218	\$201,532
103432	Transmission and Distribution Mains (761000) Cast Iron I	\$94,448	\$102,721	\$112,763	\$123,203	2.05%	\$1,935	\$2,104	\$2,310	\$2,524
103433	Transmission and Distribution Mains (761000) Steel	\$619,872	\$684,676	\$761,082	\$840,099	2.05%	\$12,697	\$14,024	\$15,589	\$17,208
103434	Transmission and Distribution Mains (761000) All Other	\$5,119,273	\$5,677,365	\$6,331,268	\$7,006,744	2.05%	\$104,857	\$116,289	\$129,683	\$143,518
103435	Transmission and Distribution Mains (761000) Ductile Irc	\$22,647,984	\$25,116,081	\$28,008,054	\$30,995,470	2.05%	\$463,896	\$514,449	\$573,685	\$634,876
103436	Transmission and Distribution Mains (761000) Plastic	\$26,088,473	\$28,932,086	\$32,263,967	\$35,705,790	2.05%	\$534,367	\$592,612	\$660,859	\$731,357
103440	FIRE MAINS	\$0	\$0	\$0	\$0	0.00%	\$0	\$0	\$0	\$0
103450	SERVICES	\$26,175,141	\$27,156,472	\$28,288,238	\$29,444,276	3.32%	\$870,261	\$902,888	\$940,517	\$978,952
103460	METERS	\$4,730,107	\$5,035,293	\$5,330,055	\$5,631,323	2.06%	\$97,399	\$103,683	\$109,753	\$115,956
103480	HYDRANTS	\$3,381,647	\$3,431,535	\$3,539,524	\$3,649,799	1.91%	\$64,470	\$65,421	\$67,480	\$69,583
General Plant										
103710	STRUCTURES AND IMPROVEMENTS	\$780,013	\$823,244	\$929,562	\$1,172,103	1.79%	\$13,996	\$14,772	\$16,680	\$21,032
103711	DRIVEWAY PAVEMENT	\$11,531	\$12,427	\$14,256	\$18,098	33.35%	\$3,846	\$4,145	\$4,755	\$6,036
103720	OFFICE FURNITURE AND EQUIPMENT	\$69,146	\$63,722	\$55,302	\$57,126	1.98%	\$1,372	\$1,265	\$1,098	\$1,134
103721	OFFICE EQUIPMENT - COMPUTERS	\$20,512	\$14,079	\$7,069	\$3,130	31.26%	\$6,411	\$4,401	\$2,209	\$978
103722	COMPUTER SOFTWARE	\$0	\$1,664	\$3,772	\$5,926	0.00%	\$0	\$0	\$0	\$0
103730	TRANSPORTATION	\$685,910	\$710,278	\$1,216,797	\$1,510,933	0.90%	\$6,175	\$6,394	\$10,954	\$13,602
103740	STORES EQUIPMENT	\$40,752	\$39,930	\$39,274	\$38,635	4.08%	\$1,662	\$1,628	\$1,602	\$1,575
103750	LABORATORY EQUIPMENT	\$0	\$69	\$304	\$57	0.00%	\$0	\$0	\$0	\$0
103760	COMMUNICATION EQUIPMENT	\$0	(\$8,771)	(\$17,377)	(\$25,964)	9.56%	\$0	(\$838)	(\$1,660)	(\$2,481)
103770	POWER OPERATED EQUIPMENT	\$851	\$1,475	\$2,265	\$3,073	0.19%	\$2	\$3	\$4	\$6
103780	TOOLS, SHOP AND GARAGE EQUIPMENT	\$244,406	\$212,565	\$180,889	\$149,231	6.87%	\$16,796	\$14,608	\$12,431	\$10,255
103790	OTHER GENERAL PLANT	\$0	(\$2,400)	(\$4,634)	(\$6,850)	0.00%	\$0	\$0	\$0	\$0
103900	OTHER TANGIBLE PLANT	\$0	\$465	\$1,095	\$1,744	0.00%	\$0	\$0	\$0	\$0
103910	UTILITY PLANT PURCHASED	\$0	\$624	\$1,414	\$2,222	0.00%	\$0	\$0	\$0	\$0
TOTAL		\$131,095,900	\$146,267,290	\$160,669,448	\$175,910,553		\$3,068,193	\$3,502,899	\$3,823,773	\$4,158,345
TOTAL EXCL TRANSP. EQUIP		\$130,409,989	\$145,557,012	\$159,452,650	\$174,399,619		\$3,062,018	\$3,496,505	\$3,812,818	\$4,144,743
TOTAL EXCL GEN'L PLANT		\$129,242,777	\$144,397,919	\$158,239,458	\$172,980,589		\$3,017,932	\$3,456,521	\$3,775,700	\$4,106,207
Total General Plant		\$1,853,123	\$1,869,371	\$2,429,990	\$2,929,963		\$50,261	\$46,377	\$48,072	\$52,138

Changes to Depreciation Reserve

WP9C1a

110 - Livermore (LIV)

	End Of Year Plant	Depreciation Accrual				
		2023	Existing Rates		Proposed Rates	
			2024	2025	2026	2027
Note: (Accounts 103010 - 103030 are Intangible Plant)						
103010 Organization	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103020 Franchises and Consents	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103030 Other Intangible Plant	\$36,610	\$0.0	\$0.0	\$0.0	\$0.0	
103061 Land	\$201,222	\$0.0	\$0.0	\$0.0	\$0.0	
103062 Land Rights	\$13,422	\$0.0	\$0.0	\$0.0	\$0.0	
<i>Water Supply Projects (Wells, etc.)</i>						
103110 Structures and Improvements - Supply Plant	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103120 Collecting and Impounding Reservoirs	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103130 Lake, River and Other Intakes	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103150 Wells - Supply plant	\$535,417	\$27,948.8	\$252,569.5	\$234,408.7	\$250,019.4	
103160 Supply Mains	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103163 Steel - Supply Main	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103164 All Other -Supply Mains	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
<i>Pumping Plant Projects (Boosters, etc.)</i>						
103210 Structures and Improvements - Pumping Plant	\$4,265,544	\$179,579.4	\$193,386.3	\$98,125.7	\$124,544.1	
103211 Pavement - Pumping Plant	\$88,448	\$2,326.2	\$2,511.9	\$19,290.5	\$24,505.3	
103240 Pumping Equipment	\$12,186,690	\$350,976.7	\$387,138.2	\$400,287.3	\$418,443.6	
103241 System Ctrl Computer Equipment	\$1,529,577	\$44,051.8	\$49,050.6	\$51,034.4	\$53,710.0	
103250 Other Pumping Plant	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
<i>Treatment Plant Projects</i>						
103310 Structures and Improvements - Treatment Plant	\$1,340,609	\$45,446.6	\$47,163.2	\$25,238.4	\$31,639.4	
103320 Water Treatment Equipment	\$2,590,406	\$57,106.7	\$63,310.4	\$48,791.8	\$50,360.6	
<i>Transmission and Distribution Projects</i>						
103410 Structures and Improvements - Transmission and Distribution	\$834,147	\$14,597.6	\$15,711.6	\$15,658.7	\$19,871.2	
103411 Pavement - Trans & Dist Plant	\$217,476	\$13,679.2	\$14,771.3	\$21,157.9	\$26,877.5	
103420 Reservoirs and Tanks	\$8,271,384	\$263,030.0	\$282,587.6	\$179,613.4	\$210,730.0	
103421 Tank Painting	\$1,320,224	\$0.0	\$0.0	\$0.0	\$0.0	
103431 Total-Trans & Distrib Mains	\$61,775,960	\$1,268,382.8	\$1,406,369.0	\$1,564,343.3	\$1,731,014.0	
103440 Fire Mains	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103450 Services	\$26,175,141	\$1,069,515.5	\$1,109,612.6	\$940,516.9	\$978,952.4	
103460 Meters	\$4,730,107	\$109,197.2	\$116,242.6	\$109,752.9	\$115,956.5	
103480 Hydrants	\$3,381,647	\$59,178.8	\$60,051.9	\$67,480.3	\$69,582.7	
<i>General Plant</i>						
103710 Structures and Improvements - General Plant	\$780,013	\$18,876.3	\$19,922.5	\$16,679.6	\$21,031.6	
103711 Driveway Pavement	\$11,531	\$0.0	\$0.0	\$4,754.8	\$6,036.4	
103720 Office Furniture and Equipment	\$69,146	\$3,229.1	\$2,975.8	\$1,097.5	\$1,133.7	
103721 Office Equipment - Computers	\$20,512	\$2,317.9	\$1,590.9	\$2,209.5	\$978.4	
103722 Computer Software	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103730 Transportation	\$0	\$34,501.3	\$35,727.0	\$10,954.2	\$13,602.2	
103740 Stores Equipment	\$40,752	\$2,115.0	\$2,072.4	\$1,601.5	\$1,575.5	
103750 Laboratory Equipment	\$0	\$0.0	\$18.4	\$0.0	\$0.0	
103760 Communication Equipment	\$0	\$0.0	(\$221.9)	(\$1,660.4)	(\$2,481.0)	
103770 Power Operated Equipment	\$851	(\$0.1)	(\$0.1)	\$4.4	\$6.0	
103780 Tools, Shop and Garage	\$244,406	\$16,375.2	\$14,241.8	\$12,431.1	\$10,255.5	
103790 Other General Plant	\$0	\$0.0	(\$50.2)	\$0.0	\$0.0	
103900 Other Tangible Plant	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
103910 Utility Plant Purchased	\$0	\$0.0	\$0.0	\$0.0	\$0.0	
TOTAL	\$130,661,243	\$3,582,432.0	\$4,076,753.1	\$3,823,772.6	\$4,158,344.8	

CHAPTER 10

RECORDED AND PROPOSED RATE BASE

Adjustments to Utility Plant - Recorded

Table10Adjustments

110 - Livermore (LIV)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
CONTRIBUTIONS					
IN AID OF CONSTRUCTION					
BEGINNING OF YEAR BALANCE (NET OF DEPR)	\$2,869,175	\$2,889,437	\$2,825,442	\$2,754,610	\$2,826,789
NET ADDITIONS	\$167,534	\$81,780	\$84,477	\$271,493	\$29,755
DEPRECIATION	(\$147,271)	(\$145,775)	(\$155,309)	(\$199,314)	(\$156,160)
END OF YEAR BALANCE (NET OF DEPR)	\$2,889,437	\$2,825,442	\$2,754,610	\$2,826,789	\$2,700,384
WEIGHTED AVERAGE BALANCE	\$2,869,257	\$2,855,986	\$2,785,058	\$2,760,013	\$2,788,915
ADVANCES FOR CONSTRUCTION					
BEGINNING OF YEAR BALANCE	\$8,299,763	\$8,177,653	\$7,751,783	\$7,266,702	\$6,845,277
DEPOSITS & LOT FEES	\$289,336	\$0	\$0	\$0	\$411,882
REFUNDS & ADJUSTMENTS	(\$411,445)	(\$425,871)	(\$485,080)	(\$421,426)	(\$422,896)
END OF YEAR BALANCE	\$8,177,653	\$7,751,783	\$7,266,702	\$6,845,277	\$6,834,262
WEIGHTED AVERAGE BALANCE	\$8,209,095	\$7,978,330	\$7,523,321	\$7,061,328	\$6,815,665
RESERVE FOR AMORT. OF INTANGIBLES (Incl CSS)					
BEGINNING OF YEAR BALANCE	\$199,964	\$214,051	\$227,705	\$242,586	\$102,862
PROVISION	\$0	\$0	\$0	\$17,336	\$23,404
WRITE-OFF	(\$10,063)	(\$12,681)	(\$832)	(\$157,281)	(\$71,792)
END OF YEAR BALANCE	\$189,902	\$201,370	\$226,873	\$102,641	\$54,473
WEIGHTED AVERAGE BALANCE	\$194,933	\$207,711	\$227,289	\$172,613	\$78,667
TOTAL WTD. AVG. ADJUSTMENTS	\$11,273,285	\$11,042,027	\$10,535,668	\$9,993,955	\$9,683,248

Contributions in Aid of Construction (CIAC)

Table10BCIAC

110 - Livermore (LIV)

CONTRIBUTIONS IN AID OF CONSTRUCTION						Calendar Year			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
WEIGHTED AVERAGE BALANCE	\$2,869,257	\$2,855,986	\$2,785,058	\$2,760,013	\$2,788,915	\$2,677,276	\$2,642,695	\$2,615,408	\$2,597,754
<u>DETAILS OF CALCULATION</u>									
GROSS BALANCE, Beg of Year	\$5,186,884	\$5,354,418	\$5,436,197	\$5,520,674	\$5,792,167	\$5,821,922	\$5,946,899	\$6,071,876	\$6,196,853
GROSS ADDITIONS	\$171,719	\$99,028	\$84,889	\$191,343	\$92,231	\$127,842	\$127,842	\$127,842	\$127,842
RETIREMENTS	(\$4,186)	(\$8,565)	(\$412)	(\$138)	(\$1,023)	(\$2,865)	(\$2,865)	(\$2,865)	(\$2,865)
ADJUSTMENTS	\$0	(\$8,683)	\$0	\$80,288	(\$61,453)	\$0	\$0	\$0	\$0
GROSS BALANCE, End of Year	\$5,354,418	\$5,436,197	\$5,520,674	\$5,792,167	\$5,821,922	\$5,946,899	\$6,071,876	\$6,196,853	\$6,321,830
BALANCE OF AMORTIZATION RESERVE, Beg of Year	(\$2,317,709)	(\$2,464,980)	(\$2,610,755)	(\$2,766,064)	(\$2,965,378)	(\$3,121,538)	(\$3,277,767)	(\$3,440,654)	(\$3,582,294)
ANNUAL PROVISION	(\$151,457)	(\$154,340)	(\$155,721)	(\$158,141)	(\$157,183)	(\$159,095)	(\$165,752)	(\$144,505)	(\$146,487)
RETIREMENTS	\$4,186	\$8,565	\$412	\$138	\$1,023	\$2,865	\$2,865	\$2,865	\$2,865
ADJUSTMENTS	\$0	\$0	\$0	(\$41,312)	\$0	\$0	\$0	\$0	\$0
BALANCE OF AMORTIZATION RESERVE, End of Year	(\$2,464,980)	(\$2,610,755)	(\$2,766,064)	(\$2,965,378)	(\$3,121,538)	(\$3,277,767)	(\$3,440,654)	(\$3,582,294)	(\$3,725,917)
NET END OF YEAR BALANCE	\$2,889,437	\$2,825,442	\$2,754,610	\$2,826,789	\$2,700,384	\$2,669,131	\$2,631,221	\$2,614,559	\$2,595,913
WEIGHTED ADDITIONS	\$82	(\$33,451)	(\$40,384)	\$5,403	(\$37,874)	(\$23,108)	(\$26,436)	(\$15,813)	(\$16,804)

Advances for Construction

Table10B2Advances

110 - Livermore (LIV)

<u>ADVANCES FOR CONSTRUCTION</u>	<u>Recorded Year</u>					<u>Calendar Year</u>			
	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
WEIGHTED AVERAGE BALANCE	\$8,209,095	\$7,978,330	\$7,523,321	\$7,061,328	\$6,815,665	\$6,673,928	\$6,369,145	\$6,069,713	\$5,775,369
<u>DETAILS OF CALCULATION</u>									
BEGINNING OF YEAR BALANCE OFFSETTING PLANT	\$8,299,763	\$8,177,653	\$7,751,783	\$7,266,702	\$6,845,277	\$6,834,262	\$6,530,009	\$6,224,695	\$5,931,146
ADDITIONS ASSOCIATED WITH SPECIFIC PLANT	\$289,336	\$0	\$0	\$0	\$411,882	\$140,244	\$140,244	\$140,244	\$140,244
LOT FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ADJUSTMENTS/ESCHEATMENTS	\$25,361	(\$27,224)	(\$28,158)	(\$10,678)	\$0	\$0	\$0	\$0	\$0
REFUNDS (Details available in CH07_RB_FDR_Refunds)	(\$436,805.8)	(\$398,647.1)	(\$456,922.5)	(\$410,748.2)	(\$422,896.0)	(\$444,497)	(\$445,558)	(\$433,792)	(\$435,384)
NET ADDITIONS	(\$122,109)	(\$425,871)	(\$485,080)	(\$421,426)	(\$11,014)	(\$304,253)	(\$305,315)	(\$293,548)	(\$295,141)
END OF YEAR BALANCE OFFSETTING PLANT	\$8,177,653	\$7,751,783	\$7,266,702	\$6,845,277	\$6,834,262	\$6,530,009	\$6,224,695	\$5,931,146	\$5,636,006
WEIGHTED ADDITIONS	(\$90,668)	(\$199,324)	(\$228,461)	(\$205,374)	(\$29,611)	(\$160,334)	(\$160,865)	(\$154,982)	(\$155,778)

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

Tract number or name	Refunds and Transfers					Unrefunded		Estimated Years			
	Project ID	Date of Contract	Original Cost	2023 Refunds	Accumulated	Balance	Account	2024	2025	2026	2027
					Refunds	12/31/2023					
1.5 MG STORAGE TANK	LIV2296	10/07/2003	-\$141,078	-\$3,527	-\$70,539	-\$70,539	E24138	\$3,527	\$3,527	\$3,527	\$3,527
1383SO LIV AVE SI F&STX613700	LIV2071	02/26/1996	-\$24,676	-\$617	-\$16,656	-\$8,020	E24136	\$617	\$617	\$617	\$617
8" MAIN INSTALL- MARINA AV.	00004380	11/14/2001	-\$85,033	-\$2,126	-\$46,768	-\$38,265	E24138	\$2,126	\$2,126	\$2,126	\$2,126
AIRPORT BUSINESS CENTER II	LIV2254	07/06/1999	-\$175,213	-\$4,380	-\$105,128	-\$70,085	E24138	\$4,380	\$4,380	\$4,380	\$4,380
AMBER RDGE2C SI F&S TX1242600	LIV2099	01/31/1996	-\$113,715	-\$2,843	-\$76,757	-\$36,957	E24137	\$2,843	\$2,843	\$2,843	\$2,843
ARBOR VISTA PM6993 TAX 2496.00	LIV2179	10/22/1998	-\$50,903	-\$1,273	-\$31,815	-\$19,089	E24138	\$1,273	\$1,273	\$1,273	\$1,273
ARROYO CROSSING PHASE 3 & 4	00017846	02/17/2011	-\$276,482	-\$6,912	-\$82,945	-\$193,537	E24138	\$6,912	\$6,912	\$6,912	\$6,912
ARROYO CROSSING TRACT 7561	00015613	08/28/2007	-\$491,878	-\$12,297	-\$196,751	-\$295,127	E24138	\$12,297	\$12,297	\$12,297	\$12,297
ARROYO RD. - 16" MAIN EX	00000644	04/10/2002	-\$214,731	-\$5,368	-\$112,734	-\$101,997	E24138	\$5,368	\$5,368	\$5,368	\$5,368
ASSESMNT DST91-1 F&STX 3014100	LIV1987	09/14/1992	-\$121,200	-\$3,030	-\$93,930	-\$27,270	E24136	\$3,030	\$3,030	\$3,030	\$3,030
Alden Lane II, Tract 7345	00009027	02/10/2006	-\$96,245	-\$2,406	-\$40,904	-\$55,341	E24138	\$2,406	\$2,406	\$2,406	\$2,406
Arroyo Crossing-Phase 5 Track-7779	00037188	02/17/2011	-\$143,017	-\$3,575	-\$42,905	-\$100,112	E24138	\$3,575	\$3,575	\$3,575	\$3,575
COLLEGE AVE ASSMNT	LIV1856	07/09/1990	-\$240,569	-\$6,014	-\$198,470	-\$42,099	E24134	\$6,014	\$6,014	\$6,014	\$6,014
CORNERSTONE, LIVERMORE	00007330	01/24/2008	-\$142,666	-\$3,567	-\$53,500	-\$89,166	E24138	\$3,567	\$3,567	\$3,567	\$3,567
Chestnut Square Townhouses	00116971	07/22/2022	-\$411,882	-\$10,297	-\$10,297	-\$401,585	E241310	\$10,297	\$10,297	\$10,297	\$10,297
Danny Nigg/Vintage Lane	00006814	02/11/2003	-\$17,222	-\$431	-\$8,611	-\$8,611	E24138	\$431	\$431	\$431	\$431
DeSilvaNrhbrookTheCorners7202	00008295	12/03/2007	-\$350,399	-\$8,760	-\$140,160	-\$210,239	E24138	\$8,760	\$8,760	\$8,760	\$8,760
G ST DEVL TX\$950367	LIV1794	10/21/1988	-\$37,416	-\$1,173	-\$31,551	-\$5,865	E24134	\$1,173	\$1,173	\$1,173	\$1,173
GARDELLA PLAZA TAX=1403.05	LIV1790	04/28/1988	-\$5,524	-\$173	-\$4,658	-\$866	E24134	\$173	\$173	\$173	\$173
Greystone- tr.-7121,7123,7224	00004048	10/23/2001	-\$180,929	-\$4,523	-\$99,511	-\$81,418	E24138	\$4,523	\$4,523	\$4,523	\$4,523
Greystone-tract 7122	00003740	10/15/2001	-\$37,862	-\$947	-\$20,824	-\$17,038	E24138	\$947	\$947	\$947	\$947
HOME DEPOT SHOPPING CENTER	LIV2268	02/29/2000	-\$77,940	-\$1,949	-\$40,919	-\$37,021	E24138	\$1,949	\$1,949	\$1,949	\$1,949
Habitat For Humanity	00011805	06/28/2005	-\$81,602	-\$2,040	-\$36,721	-\$44,881	E24138	\$2,040	\$2,040	\$2,040	\$2,040
INSTALL FACILITIES	LIV2225	09/11/1998	-\$110,665	-\$2,767	-\$52,566	-\$58,099	E24138	\$2,767	\$2,767	\$2,767	\$2,767
INSTALL FACILITIES	LIV2273	10/14/1999	-\$19,228	-\$481	-\$11,537	-\$7,691	E24138	\$481	\$481	\$481	\$481
INSTALL MAIN, HYDRANTS & SERV	LIV2107	01/26/1999	-\$21,473	-\$537	-\$12,884	-\$8,589	E24138	\$537	\$537	\$537	\$537
INSTALL MAIN, SERVICES, HYDS.	LIV2149	08/07/1998	-\$111,451	-\$2,786	-\$69,657	-\$41,794	E24138	\$2,786	\$2,786	\$2,786	\$2,786
INSTALL MAINS HYDS SVCS	LIV2285	09/27/2001	-\$394,366	-\$9,859	-\$207,042	-\$187,324	E24138	\$9,859	\$9,859	\$9,859	\$9,859
INSTALL MAINS HYDS SVCS T-7038	LIV2282	04/10/2002	-\$543,801	-\$13,595	-\$285,496	-\$258,305	E24138	\$13,595	\$13,595	\$13,595	\$13,595
INSTALL MAINS,SERVICES,FIRE HY	LIV2291	12/06/1999	-\$364,145	-\$9,104	-\$218,487	-\$145,658	E24138	\$9,104	\$9,104	\$9,104	\$9,104
Install 8" Pipe- Catalina Court	00106542	11/30/2016	-\$296,856	-\$7,421	-\$51,950	-\$244,906	E24138	\$7,421	\$7,421	\$7,421	\$7,421
Install 8" Pipe-Orchid Ranch	00101305	07/14/2015	-\$105,720	-\$2,643	-\$21,144	-\$84,576	E24138	\$2,643	\$2,643	\$2,643	\$2,643
K MART #7577	LIV1577	03/25/1983	-\$93,786	-\$2,354	-\$93,786	\$0	E24133	\$2,354	\$0	\$0	\$0
KAISER DEVEL CO	LIV1656	10/18/1984	-\$146,413	-\$3,660	-\$142,753	-\$3,660	E24133	\$3,660	\$3,660	\$0	\$0
KUBOTA TRACTOR S/I TX811100	LIV1900	10/22/1990	-\$40,046	-\$1,001	-\$33,038	-\$7,008	E24134	\$1,001	\$1,001	\$1,001	\$1,001
LIVERMORE DOWNS PHASE 4	LIV1716	05/29/1986	-\$117,788	-\$2,945	-\$108,954	-\$8,834	E24133	\$2,945	\$2,945	\$2,945	\$2,945
LUCKY/SAV-ON PORTOLA AVE	LIV2257	04/29/1999	-\$41,299	-\$1,032	-\$24,779	-\$16,520	E24138	\$1,032	\$1,032	\$1,032	\$1,032

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

Tract number or name	Project ID	Date of Contract	Original Cost	Refunds and Transfers			Unrefunded		Estimated Years			
				2023 Refunds	Accumulated Refunds	Balance 12/31/2023	Account Number	2024	2025	2026	2027	
Lomitas Avenue - Boltz Const.	00011428	05/02/2005	-\$36,249	-\$906	-\$16,312	-\$19,937	E24138	\$906	\$906	\$906	\$906	
MAIN,SERV,HYD-PORTOLA MEADOWS	LIV2301	03/08/2000	-\$83,043	-\$2,076	-\$47,750	-\$35,293	E24138	\$2,076	\$2,076	\$2,076	\$2,076	
MARINA AVE	LIV2034	02/04/1994	-\$32,619	-\$815	-\$23,649	-\$8,970	E24136	\$815	\$815	\$815	\$815	
MARINA AVE E OF ARROYO RD	LIV1649	07/24/1984	-\$8,631	-\$216	-\$8,415	-\$216	E24133	\$216	\$216	\$0	\$0	
MARINA AVE F&S TX 1073559	LIV2056	06/20/1994	-\$43,169	-\$1,079	-\$31,298	-\$11,871	E24136	\$1,079	\$1,079	\$1,079	\$1,079	
O'CALLAGHAN APTS	LIV1623	08/06/1984	-\$7,899	-\$190	-\$6,952	-\$947	E24133	\$190	\$190	\$0	\$0	
P M 5430 S/I TX 1796600	LIV1839	05/31/1989	-\$88,700	-\$2,218	-\$75,395	-\$13,305	E24134	\$2,218	\$2,218	\$2,218	\$2,218	
PARCEL MAP 3565	LIV1613	04/28/1983	-\$3,652	-\$91	-\$3,470	-\$183	E24133	\$91	\$0	\$0	\$0	
PLAZA 580PM6134SI F&STX2977300	LIV1981	02/17/1993	-\$119,722	-\$2,993	-\$89,792	-\$29,931	E24136	\$2,993	\$2,993	\$2,993	\$2,993	
PONDEROSA HOMES TR. 7119	00002231	01/14/2002	-\$315,781	-\$7,895	-\$165,785	-\$149,996	E24138	\$7,895	\$7,895	\$7,895	\$7,895	
PRTOLA PRKAPTS S/I FTX1443300	LIV1844	04/16/1990	-\$71,255	-\$1,781	-\$58,786	-\$12,469	E24134	\$1,781	\$1,781	\$1,781	\$1,781	
PUMP STA(MAIN & SERV MSTR1746)	LIV1723	04/02/1987	-\$242,539	-\$6,063	-\$218,284	-\$24,254	E24134	\$6,063	\$6,063	\$6,063	\$6,063	
PalaSage @Downtown(Pinn Bros)	00010337	12/19/2005	-\$152,792	-\$3,820	-\$49,657	-\$103,135	E24138	\$3,820	\$3,820	\$3,820	\$3,820	
Passport Homes, Inc.	00005402	09/27/2002	-\$25,307	-\$633	-\$13,286	-\$12,021	E24138	\$633	\$633	\$633	\$633	
Ponderosa Homes Zumbach Prop	00005815	03/21/2003	-\$84,192	-\$2,105	-\$42,096	-\$42,096	E24138	\$2,105	\$2,105	\$2,105	\$2,105	
RAILROAD AVE SI TX L969000	LIV1800	04/04/1989	-\$97,211	-\$2,430	-\$82,630	-\$14,581	E24134	\$2,430	\$2,430	\$2,430	\$2,430	
REED AVE. MAINS,SERVICES,FH	00004881	05/21/2002	-\$71,893	-\$1,797	-\$37,744	-\$34,149	E24138	\$1,797	\$1,797	\$1,797	\$1,797	
S/I TRT 6223-2B F&S TX 9150700	LIV2049	09/06/1994	-\$386,738	-\$9,668	-\$280,385	-\$106,353	E24136	\$9,668	\$9,668	\$9,668	\$9,668	
SPEC FACILITY TRACT 5645	LIV1836	08/30/1989	-\$273,078	-\$4,442	-\$246,428	-\$26,650	E24134	\$4,442	\$4,442	\$4,442	\$4,442	
Sonoma Tract 8343 Wayland	00112362	11/01/2017	-\$321,693	-\$8,042	-\$48,254	-\$273,439	E24138	\$8,042	\$8,042	\$8,042	\$8,042	
Standard Pacific Tr. 7165-7247	00003916	02/22/2002	-\$162,489	-\$4,062	-\$85,307	-\$77,182	E24138	\$4,062	\$4,062	\$4,062	\$4,062	
SubArea 3,T7384/Pinn Bros II	00008395	09/19/2003	-\$184,709	-\$4,618	-\$92,355	-\$92,354	E24138	\$4,618	\$4,618	\$4,618	\$4,618	
SubArea 5 Tract 7171 - Centex	00004925	03-19-2018	-\$365,927	-\$9,148	-\$45,741	-\$320,186	E24138	\$9,148	\$9,148	\$9,148	\$9,148	
T-6980 OFF COLLEGE AVE	LIV2271	05/05/1999	-\$26,510	-\$663	-\$12,592	-\$13,918	E24138	\$663	\$663	\$663	\$663	
TR 5866 & 6416, F/S TX \$50401	LIV2068	05/11/1995	-\$202,669	-\$5,067	-\$141,868	-\$60,801	E24136	\$5,067	\$5,067	\$5,067	\$5,067	
TR 5911 F/S TAX \$11,785	LIV2112	11/27/1995	-\$47,389	-\$1,185	-\$33,172	-\$14,217	E24136	\$1,185	\$1,185	\$1,185	\$1,185	
TR 6054 F/S TAX \$5920	LIV2151	08/14/1997	-\$99,086	-\$2,477	-\$64,406	-\$34,680	E24138	\$2,477	\$2,477	\$2,477	\$2,477	
TR 6057 F/S TAX \$3588	LIV2108	07/22/1996	-\$29,635	-\$741	-\$20,004	-\$9,631	E24137	\$741	\$741	\$741	\$741	
TR 6500 FED/ST TAX \$4508	LIV2017	03/15/1995	-\$18,125	-\$453	-\$12,688	-\$5,437	E24136	\$453	\$453	\$453	\$453	
TR 6610 F/S TAX \$9588	LIV2144	07/22/1996	-\$61,719	-\$1,543	-\$41,660	-\$20,059	E24137	\$1,543	\$1,543	\$1,543	\$1,543	
TR 6707	LIV2097	12/04/1995	-\$148,896	-\$3,722	-\$104,227	-\$44,669	E24136	\$3,722	\$3,722	\$3,722	\$3,722	
TR 6708	LIV2098	12/04/1995	-\$110,940	-\$2,774	-\$77,658	-\$33,282	E24136	\$2,774	\$2,774	\$2,774	\$2,774	
TR 6711-6712 F/S TX \$13285	LIV2115	07/30/1996	-\$113,192	-\$2,830	-\$76,405	-\$36,787	E24137	\$2,830	\$2,830	\$2,830	\$2,830	
TR 6764	LIV2118	12/02/1996	-\$165,095	-\$4,127	-\$111,439	-\$53,656	E24137	\$4,127	\$4,127	\$4,127	\$4,127	
TR 6801 CORR F/S TAX \$1265	LIV2143	03/06/1997	-\$25,655	-\$641	-\$16,676	-\$8,979	E24138	\$641	\$641	\$641	\$641	
TR6177PORTOLAGLEN1S/ITX6324300	LIV1889	10/18/1990	-\$312,230	-\$7,806	-\$257,590	-\$54,640	E24134	\$7,806	\$7,806	\$7,806	\$7,806	
TR6208 MURDELL LN F/STAX \$1405	LIV2172	09/09/1997	-\$28,408	-\$710	-\$18,465	-\$9,943	E24138	\$710	\$710	\$710	\$710	
TR6840 FED/ST TAX \$14,569	LIV2167	04/25/1997	-\$184,006	-\$4,600	-\$119,604	-\$64,402	E24138	\$4,600	\$4,600	\$4,600	\$4,600	

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

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				2023 Refunds	Accumulated Refunds	Balance 12/31/2023	Account Number	2024	2025	2026	2027
TRACT 3758E	LIV1759	09/24/1987	-\$10,038	-\$251	-\$9,034	-\$1,004	E24134	\$251	\$251	\$251	\$251
TRACT 4405 MAINS & SERVICES	LIV1746	04/02/1987	-\$132,249	-\$3,306	-\$118,475	-\$13,774	E24134	\$3,306	\$3,306	\$3,306	\$3,306
TRACT 4469	LIV1643	06/06/1984	-\$58,869	-\$1,472	-\$57,397	-\$1,472	E24133	\$1,472	\$1,472	\$0	\$0
TRACT 4683	LIV1620	11/22/1983	-\$50,303	-\$1,258	-\$50,304	\$0	E24133	\$0	\$0	\$0	\$0
TRACT 4695	LIV1614	06/01/1983	-\$32,084	-\$802	-\$32,084	\$0	E24133	\$0	\$0	\$0	\$0
TRACT 4870	LIV1654	08/21/1984	-\$128,118	-\$3,203	-\$124,915	-\$3,203	E24133	\$3,203	\$3,203	\$0	\$0
TRACT 4887	LIV1655	10/25/1984	-\$36,327	-\$908	-\$35,419	-\$908	E24133	\$908	\$908	\$0	\$0
TRACT 5034 5301 5365 & 5366	LIV1657	12/03/1984	-\$224,921	-\$5,623	-\$219,298	-\$5,623	E24133	\$5,623	\$5,623	\$0	\$0
TRACT 5076 VISTA DEL ARROYO	LIV1663	06/27/1985	-\$76,561	-\$1,914	-\$72,733	-\$3,828	E24133	\$1,914	\$1,914	\$1,914	\$0
TRACT 5235	LIV1834	04/26/1989	-\$36,895	-\$922	-\$30,439	-\$6,457	E24134	\$922	\$922	\$922	\$922
TRACT 5403	LIV1796	10/04/1988	-\$129,716	-\$3,243	-\$113,502	-\$16,215	E24134	\$3,243	\$3,243	\$3,243	\$3,243
TRACT 5477, CHATEAU COMMONS	LIV1761	11/02/1987	-\$57,423	-\$1,895	-\$49,843	-\$7,580	E24134	\$1,895	\$1,895	\$1,895	\$1,895
TRACT 5482 SUB-INSTALL	LIV1734	12/19/1986	-\$123,749	-\$1,547	-\$114,468	-\$9,281	E24134	\$1,547	\$1,547	\$1,547	\$1,547
TRACT 5600	LIV1722	12/31/1986	-\$13,738	-\$343	-\$11,336	-\$2,402	E24133	\$343	\$343	\$343	\$343
TRACT 5649	LIV1758	08/05/1987	-\$93,176	-\$2,329	-\$83,858	-\$9,318	E24134	\$2,329	\$2,329	\$2,329	\$2,329
TRACT 5655	LIV1762	08/14/1987	-\$19,857	-\$655	-\$17,236	-\$2,621	E24134	\$655	\$655	\$655	\$655
TRACT 5660 TX 1024101	LIV1775	12/28/1987	-\$42,244	-\$1,056	-\$38,020	-\$4,225	E24134	\$1,056	\$1,056	\$1,056	\$1,056
TRACT 5690EE TAX 588502	LIV1764	10/09/1987	-\$18,391	-\$607	-\$15,963	-\$2,428	E24134	\$607	\$607	\$607	\$607
TRACT 5851	LIV1821	02/17/1989	-\$22,097	-\$552	-\$18,230	-\$3,867	E24134	\$552	\$552	\$552	\$552
TRACT 5951	LIV2021	05/31/1994	-\$23,372	-\$584	-\$9,933	-\$13,439	E24136	\$584	\$584	\$584	\$584
TRACT 6073 F/S TAX \$7159	LIV2145	09/26/1996	-\$72,325	-\$1,808	-\$48,820	-\$23,505	E24137	\$1,808	\$1,808	\$1,808	\$1,808
TRACT 6094	LIV1877	08/27/1990	-\$15,571	-\$389	-\$12,846	-\$2,725	E24134	\$389	\$389	\$389	\$389
TRACT 6144	LIV2063	04/06/1995	-\$27,315	-\$683	-\$17,754	-\$9,560	E24136	\$683	\$683	\$683	\$683
TRACT 6150	LIV2214	02/03/1998	-\$46,633	-\$1,166	-\$29,146	-\$17,487	E24138	\$1,166	\$1,166	\$1,166	\$1,166
TRACT 6219 SMOKE BELLOW RD	LIV2250	05/13/1999	-\$20,448	-\$511	-\$11,246	-\$9,202	E24138	\$511	\$511	\$511	\$511
TRACT 6220 TAX 1565.00	LIV2131	03/23/1999	-\$27,769	-\$694	-\$16,662	-\$11,107	E24138	\$694	\$694	\$694	\$694
TRACT 6225	LIV2159	07/25/1996	-\$26,822	-\$671	-\$18,105	-\$8,717	E24137	\$671	\$671	\$671	\$671
TRACT 6237, STERLING PLACE	LIV2270	07/27/1999	-\$10,864	-\$272	-\$6,518	-\$4,346	E24138	\$272	\$272	\$272	\$272
TRACT 6387	LIV2171	09/09/1997	-\$80,223	-\$2,006	-\$52,145	-\$28,078	E24138	\$2,006	\$2,006	\$2,006	\$2,006
TRACT 6689	LIV2148	12/24/1997	-\$98,758	-\$2,469	-\$64,193	-\$34,565	E24138	\$2,469	\$2,469	\$2,469	\$2,469
TRACT 6760	LIV2213	02/04/1998	-\$22,104	-\$553	-\$13,815	-\$8,289	E24138	\$553	\$553	\$553	\$553
TRACT 6807	LIV2183	01/08/1998	-\$86,627	-\$2,166	-\$54,142	-\$32,485	E24138	\$2,166	\$2,166	\$2,166	\$2,166
TRACT 6986	LIV2256	11/13/1998	-\$30,543	-\$764	-\$15,272	-\$15,271	E24138	\$764	\$764	\$764	\$764
TRACT 7080 PASSPORT HOMES	LIV2284	10/05/1999	-\$31,123	-\$778	-\$18,674	-\$12,449	E24138	\$778	\$778	\$778	\$778
TRACT 7129- THE OAKS OH 3	LIV2283	02/02/2001	-\$114,024	-\$2,851	-\$62,713	-\$51,311	E24138	\$2,851	\$2,851	\$2,851	\$2,851
TRACT 7195	00004451	11/16/2001	-\$82,768	-\$2,069	-\$45,522	-\$37,246	E24138	\$2,069	\$2,069	\$2,069	\$2,069
TRCT7071 - SVLIVERMORE	00001932	09/27/2001	-\$154,874	-\$3,872	-\$85,181	-\$69,693	E24138	\$3,872	\$3,872	\$3,872	\$3,872
TRCT7245 SEVILLANO PHASE 2	00007689	05/21/2003	-\$66,275	-\$1,657	-\$33,138	-\$33,137	E24138	\$1,657	\$1,657	\$1,657	\$1,657

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

Tract number or name	Project ID	Date of Contract	Original Cost	Refunds and Transfers			Unrefunded		Estimated Years			
				2023 Refunds	Accumulated Refunds	Balance	Account Number	2024	2025	2026	2027	
												12/31/2023
TRT 5464 S/I TX1364400	LIV1763	07/11/1988	-\$67,359	-\$1,684	-\$58,939	-\$8,420	E24134	\$1,684	\$1,684	\$1,684	\$1,684	
TRT 5645 1 S/I TX 1145800	LIV1806	01/19/1989	-\$56,568	-\$1,414	-\$48,083	-\$8,485	E24134	\$1,414	\$1,414	\$1,414	\$1,414	
TRT 5645 II X/I TX 2510800	LIV1837	08/30/1989	-\$129,553	-\$3,274	-\$109,907	-\$19,646	E24134	\$3,274	\$3,274	\$3,274	\$3,274	
TRT 5646 PARK PLACE TX1813000	LIV1838	12/26/1989	-\$89,506	-\$2,238	-\$76,080	-\$13,426	E24134	\$2,238	\$2,238	\$2,238	\$2,238	
TRT 5650 S/I FED TX 4384000	LIV1901	07/22/1991	-\$216,437	-\$5,411	-\$173,150	-\$43,287	E24134	\$5,411	\$5,411	\$5,411	\$5,411	
TRT 5879 S/I TX 490500	LIV1938	07/08/1991	-\$24,215	-\$605	-\$19,372	-\$4,843	E24134	\$605	\$605	\$605	\$605	
TRT 5887 X/I TX1228000	LIV1843	01/18/1990	-\$60,628	-\$1,516	-\$50,018	-\$10,610	E24134	\$1,516	\$1,516	\$1,516	\$1,516	
TRT 5906 TX 173868	LIV1840	06/27/1989	-\$69,547	-\$1,739	-\$59,115	-\$10,432	E24134	\$1,739	\$1,739	\$1,739	\$1,739	
TRT 5946 S/I TX 484400	LIV1831	07/12/1989	-\$23,914	-\$598	-\$20,327	-\$3,587	E24134	\$598	\$598	\$598	\$598	
TRT 5995 S/ITX 1133900	LIV1859	08/30/1991	-\$55,981	-\$1,400	-\$44,785	-\$11,196	E24134	\$1,400	\$1,400	\$1,400	\$1,400	
TRT 5997 SI F&STX 1237700	LIV2026	10/05/1993	-\$49,771	-\$1,244	-\$37,328	-\$12,443	E24136	\$1,244	\$1,244	\$1,244	\$1,244	
TRT 6022 S/I TX 604500	LIV1893	06/19/1990	-\$29,845	-\$746	-\$25,368	-\$4,477	E24134	\$746	\$746	\$746	\$746	
TRT 6076 S/I TXL2011000	LIV1896	09/21/1990	-\$99,282	-\$2,482	-\$81,908	-\$17,374	E24134	\$2,482	\$2,482	\$2,482	\$2,482	
TRT 6093 S/I FED TX 1520800	LIV1929	07/01/1991	-\$75,083	-\$1,877	-\$60,067	-\$15,016	E24134	\$1,877	\$1,877	\$1,877	\$1,877	
TRT 6098 S/I F&S TX 896700	LIV1980	07/06/1992	-\$36,058	-\$901	-\$27,945	-\$8,113	E24136	\$901	\$901	\$901	\$901	
TRT 6110 SI TX 2912800	LIV1945	10/17/1991	-\$185,239	-\$4,631	-\$148,191	-\$37,048	E24134	\$4,631	\$4,631	\$4,631	\$4,631	
TRT 6168 PHASE1 F&S TX 7123600	LIV1992	12/14/1992	-\$287,253	-\$7,181	-\$222,621	-\$64,632	E24136	\$7,181	\$7,181	\$7,181	\$7,181	
TRT 6168 SI FED TX 1127400	LIV1888	05/15/1991	-\$55,661	-\$1,392	-\$44,529	-\$11,132	E24134	\$1,392	\$1,392	\$1,392	\$1,392	
TRT 6236 FED TX 571200 ST17320	LIV1993	12/01/1993	-\$29,934	-\$748	-\$22,451	-\$7,484	E24136	\$748	\$748	\$748	\$748	
TRT 6262 SI F&S TX 204500	LIV1991	10/09/1992	-\$8,221	-\$206	-\$6,371	-\$1,850	E24136	\$206	\$206	\$206	\$206	
TRT 6347 S/I TX FED 3042000	LIV1935	10/09/1991	-\$150,183	-\$3,755	-\$120,147	-\$30,036	E24134	\$3,755	\$3,755	\$3,755	\$3,755	
TRT 6388&6529 SI F&S TX897400	LIV2020	03/01/1994	-\$36,085	-\$902	-\$26,162	-\$9,923	E24136	\$902	\$902	\$902	\$902	
TRT 6426 S/I F&STX2821800	LIV2078	10/12/1995	-\$113,470	-\$2,837	-\$79,429	-\$34,041	E24136	\$2,837	\$2,837	\$2,837	\$2,837	
TRT 6522 SI F&S TX 3404000	LIV2027	03/13/1995	-\$136,879	-\$3,422	-\$95,815	-\$41,064	E24136	\$3,422	\$3,422	\$3,422	\$3,422	
TRT 6527 SI F&S TX 815800	LIV2114	07/05/1995	-\$33,107	-\$828	-\$23,175	-\$9,932	E24136	\$828	\$828	\$828	\$828	
TRT 6586 SI F&S TX 3110000	LIV2064	11/04/1994	-\$125,057	-\$2,867	-\$93,517	-\$31,540	E24136	\$2,867	\$2,867	\$2,867	\$2,867	
TRT 6708 CWS INST	LIV2102	08/08/1995	-\$75,867	-\$1,897	-\$53,107	-\$22,760	E24136	\$1,897	\$1,897	\$1,897	\$1,897	
TRT 6720	LIV2077	05/31/1996	-\$94,649	-\$2,366	-\$63,888	-\$30,761	E24137	\$2,366	\$2,366	\$2,366	\$2,366	
TRT 6755 SI F&STX 1379100	LIV2121	04/10/1996	-\$55,457	-\$1,386	-\$37,434	-\$18,023	E24136	\$1,386	\$1,386	\$1,386	\$1,386	
TRT5325 LOS POSITAS BL SUBINS	LIV1721	08/26/1986	-\$238,334	-\$5,958	-\$122,329	-\$116,005	E24133	\$5,958	\$5,958	\$5,958	\$5,958	
TRT5970 VLLYVIEW1 S/ITX3965100	LIV1842	12/18/1989	-\$195,758	-\$4,894	-\$166,394	-\$29,364	E24134	\$4,894	\$4,894	\$4,894	\$4,894	
TRT6039 S/I FED & ST TX 923700	LIV1982	06/22/1992	-\$37,144	-\$929	-\$28,787	-\$8,357	E24136	\$929	\$929	\$929	\$929	
TRT6058	LIV1984	09/23/1992	-\$26,155	-\$654	-\$20,270	-\$5,885	E24136	\$654	\$654	\$654	\$654	
TRT6088 S/I TX696600	LIV1878	10/08/1990	-\$34,391	-\$860	-\$28,373	-\$6,018	E24134	\$860	\$860	\$860	\$860	
TRT6110 NO 1 S/I TX3316800	LIV1882	12/10/1990	-\$163,750	-\$4,094	-\$135,094	-\$28,656	E24134	\$4,094	\$4,094	\$4,094	\$4,094	
TRT6154 S/I TX 769000	LIV1890	05/14/1990	-\$37,967	-\$949	-\$31,323	-\$6,644	E24134	\$949	\$949	\$949	\$949	
TRT6156 S/I FEDTX 4944500	LIV1902	06/02/1992	-\$244,912	-\$6,103	-\$189,987	-\$54,925	E24134	\$6,103	\$6,103	\$6,103	\$6,103	
TRT6175NO2 S/I F&STX2029400	LIV2018	10/05/1993	-\$81,604	-\$2,040	-\$61,203	-\$20,401	E24136	\$2,040	\$2,040	\$2,040	\$2,040	

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

Tract number or name	Refunds and Transfers					Unrefunded		Estimated Years			
	Project ID	Date of Contract	Original Cost	2023 Refunds	Accumulated	Balance	Account Number	2024	2025	2026	2027
					Refunds	12/31/2023					
TRT6263 SI F&STX335000	LIV1990	08/16/1994	-\$13,473	-\$337	-\$9,768	-\$3,705	E24136	\$337	\$337	\$337	\$337
TRT6415 S/I FED&STX 797900	LIV1979	11/02/1992	-\$32,086	-\$802	-\$24,867	-\$7,219	E24136	\$802	\$802	\$802	\$802
TRT6584 PHII S/I F&STX3089500	LIV2057	12/08/1994	-\$124,595	-\$3,115	-\$90,332	-\$34,263	E24136	\$3,115	\$3,115	\$3,115	\$3,115
Tesla Road Main Extension	00004967	11/16/2001	-\$34,764	-\$869	-\$19,120	-\$15,644	E24138	\$869	\$869	\$869	\$869
The Vineyard Collection Tract 8290	00108601	08/29/2017	-\$144,921	-\$3,623	-\$21,738	-\$123,183	E24138	\$3,623	\$3,623	\$3,623	\$3,623
Tract # 7278 Mardell LLC	00003982	09/20/2001	-\$19,437	-\$486	-\$8,747	-\$10,690	E24138	\$486	\$486	\$486	\$486
Tract 7178 Ponderosa	00008138	06/17/2004	-\$94,594	-\$2,365	-\$44,932	-\$49,662	E24138	\$2,365	\$2,365	\$2,365	\$2,365
Tract 7288 - Bosch Development	00006061	11/05/2003	-\$10,807	-\$270	-\$5,404	-\$5,403	E24138	\$270	\$270	\$270	\$270
Twin Oaks Estates - Pinn	00009029	10/03/2003	-\$122,722	-\$3,068	-\$61,361	-\$61,361	E24138	\$3,068	\$3,068	\$3,068	\$3,068
Vinsanto Phase 2	00078653	05/19/2015	-\$197,140	-\$4,929	-\$39,428	-\$157,712	E24138	\$4,929	\$4,929	\$4,929	\$4,929
WAL-MART CTR SI F&S TX1400100	LIV1891	04/22/1993	-\$56,300	-\$1,406	-\$43,646	-\$12,654	E24136	\$1,406	\$1,406	\$1,406	\$1,406
WETMORE ROAD IMPROVEMENTS	00008190	05-24-2010	-\$170,965	-\$4,274	-\$55,564	-\$115,401	E24138	\$4,274	\$4,274	\$4,274	\$4,274
Sub Total			-\$17,575,885	-\$436,260	-\$10,741,622	-\$6,834,262		\$434,200	\$431,755	\$416,483	\$414,569
Refunds from Estimated Future Advances											
2023 Recorded Advances	\$411882							\$10,297	\$10,297	\$10,297	\$10,297
2024 Recorded Advances	\$140244								\$3,506	\$3,506	\$3,506
2025 Recorded Advances	\$140244									\$3,506	\$3,506
2026 Recorded Advances	\$140244										\$3,506
2027 Recorded Advances	\$140244										
2023 Lot Fees	\$0							\$0	\$0	\$0	\$0
2024 Lot Fees	\$0								\$0	\$0	\$0
2025 Lot Fees	\$0									\$0	\$0
2026 Lot Fees	\$0										\$0
2027 Lot Fees	\$0										\$0

Details of Advances for Construction

WP10B2A

110 - Livermore (LIV)

Tract number or name	Refunds and Transfers				Accumulated Refunds	Unrefunded Balance 12/31/2023	Account Number	Estimated Years			
	Project ID	Date of Contract	Original Cost	2023 Refunds				2024	2025	2026	2027
110 - TOTALS				REFUNDS TOTAL				\$444,497	\$445,558	\$433,792	\$435,384
				TOTAL TRANSFERS				\$0	\$0	\$0	\$0

Source: It is a Powerplan report

Reserve for Amortization of Intangibles

Table10B3Amort

110 - Livermore (LIV)

	Recorded Year					Calendar Year			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
WEIGHTED AVERAGE BALANCE	\$194,933	\$207,711	\$227,289	\$172,613	\$78,667	\$132,818	\$153,608	\$200,662	\$273,882
<u>DETAILS OF CALCULATION</u>									
BEGINNING OF THE YEAR BALANCE	\$199,964	\$214,051	\$227,705	\$242,586	\$102,862	\$122,293	\$143,344	\$163,873	\$237,452
PROVISION	\$0	\$0	\$0	\$17,336	\$23,404	\$21,051	\$20,529	\$73,579	\$72,861
WRITE-OFF/ALLOCATION	(\$10,063)	(\$12,681)	(\$832)	(\$157,281)	(\$71,792)	\$0	\$0	\$0	\$0
NET ADDITIONS	(\$10,063)	(\$12,681)	(\$832)	(\$139,945)	(\$48,388)	\$21,051	\$20,529	\$73,579	\$72,861
END OF YEAR BALANCE	\$189,902	\$201,370	\$226,873	\$102,641	\$54,473	\$143,344	\$163,873	\$237,452	\$310,313
INTANGIBLES WEIGHTING FACTOR	50%	50%	50%	50%	50%	50%	50%	50%	50%
WEIGHTED ADDITIONS	(\$5,031)	(\$6,340)	(\$416)	(\$69,973)	(\$24,194)	\$10,526	\$10,264	\$36,789	\$36,430

Working Capital

Table10WorkingCap

110 - Livermore (LIV)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
MATERIALS AND SUPPLIES - WEIGHTED AVERAGE TANK PAINTING	\$245,337	\$232,221	\$234,219	\$249,331	\$291,611	\$250,544 \$1,190,361	\$250,544 \$965,179	\$250,544 \$785,513	\$250,544 \$620,960
AVERAGE AMOUNTS AVAILABLE AS A RESULT OF COLLECTING REVENUES IN ADVANCE OF PAYING EXPENSES AND TAXES AND ACCRUING DEPRECIATION	\$1,875,197	\$1,936,240	\$1,381,990	\$1,525,527	\$1,504,945	\$1,182,728	\$1,271,069	\$1,395,988	\$1,539,780
AMOUNT WITHHELD FROM EMPLOYEES	(\$9,221)	(\$9,829)	(\$10,404)	(\$10,342)	(\$11,006)	(\$11,006)	(\$11,006)	(\$11,006)	(\$11,006)
Total Working Capital	\$2,111,314	\$2,158,631	\$1,605,805	\$1,764,516	\$1,785,551	\$2,612,627	\$2,475,786	\$2,421,039	\$2,400,278

110 - Livermore (LIV)

						Calendar Year			
	2019	2020	2021	2022	2023	2024	2025	2026	2027
MATERIALS AND SUPPLIES	\$ 245,337	\$ 232,221	\$ 234,219	\$ 249,331	\$ 291,611	\$ 250,544	\$ 250,544	\$ 250,544	\$ 250,544

Estimating Method:
Straight Average (5-yr average)

Tank Painting

WP10D2

110 - Livermore (LIV)

Calendar Year			
2024	2025	2,026	2027
\$ 1,190,361	\$ 965,179	\$ 785,513	\$ 620,960

Tank Painting
Projects Description

Year in service	EOY 2020 Balance	Amort Period	Annual Amort
2021	\$ 408,005	10	\$ 40,801
2015	\$ 57,633	10	\$ 30,069
2015	\$ 34,950	10	\$ 18,235
2016	\$ 47,814	10	\$ 16,350
2019	\$ 129,118	10	\$ 21,823
2018	\$ 8,737	10	\$ 1,777
2018	\$ 6,050	10	\$ 1,231
2020	\$ 398,734	10	\$ 57,648
2021	\$ 312,664	10	\$ 39,494
2022	\$ 8,328	10	\$ 934
2022	\$ 7,533	10	\$ 845

Amort Start Year

Expense				Unamortized Portion			
2024	2025	2026	2027	2024	2025	2026	2027
\$ 40,801	\$ 40,801	\$ 40,801	\$ 40,801	\$ 367,205	\$ 326,404	\$ 285,604	\$ 244,803
\$ 30,069	\$ 30,069	\$ 30,069	\$ 30,069	\$ 27,564	\$ -	\$ -	\$ -
\$ 18,235	\$ 18,235	\$ 18,235	\$ 18,235	\$ 16,715	\$ -	\$ -	\$ -
\$ 16,350	\$ 16,350	\$ 16,350	\$ 16,350	\$ 31,464	\$ 15,114	\$ -	\$ -
\$ 21,823	\$ 21,823	\$ 21,823	\$ 21,823	\$ 107,295	\$ 85,473	\$ 63,650	\$ 41,827
\$ 1,777	\$ 1,777	\$ 1,777	\$ 1,777	\$ 6,960	\$ 5,183	\$ 3,406	\$ 1,629
\$ 1,231	\$ 1,231	\$ 1,231	\$ 1,231	\$ 4,820	\$ 3,589	\$ 2,359	\$ 1,128
\$ 57,648	\$ 57,648	\$ 57,648	\$ 57,648	\$ 341,086	\$ 283,438	\$ 225,789	\$ 168,141
\$ 39,494	\$ 39,494	\$ 39,494	\$ 39,494	\$ 273,170	\$ 233,675	\$ 194,181	\$ 154,686
\$ 934	\$ 934	\$ 934	\$ 934	\$ 7,394	\$ 6,460	\$ 5,526	\$ 4,592
\$ 845	\$ 845	\$ 845	\$ 845	\$ 6,688	\$ 5,843	\$ 4,999	\$ 4,154
\$ 229,207	\$ 229,207	\$ 229,207	\$ 229,207	\$ 1,190,361	\$ 965,179	\$ 785,513	\$ 620,960

Working Cash Requirements

WP10D3

110 - Livermore (LIV)

LL Code	Revenue	Proposed	Total Applicable Expense				Total Dollar Days Lag					
			2024	2025	2026	2027	2024	2025	2026	2027		
LL00	Revenue	46.5										
	Expenses											
LL01	Purchased Water	48	\$11,398,497	\$11,409,920	\$11,421,344	\$11,450,950	\$541,428,592.57	\$541,971,211	\$542,513,829	\$543,920,130		
LL02	Ground Water Charges	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL03	Purchased Power	29	\$858,482	\$860,209	\$861,936	\$866,412	\$25,067,679	\$25,118,105	\$25,168,531	\$25,299,221		
LL04	Purchased Chemicals	33	\$130,815	\$132,598	\$152,183	\$175,583	\$4,251,479	\$4,309,448	\$4,945,951	\$5,706,441		
LL05	Payroll	13	\$864,852	\$892,527	\$942,176	\$972,326	\$10,810,651	\$11,156,592	\$11,777,203	\$12,154,073		
LL06	Rents	(12)	\$48,148	\$48,148	\$48,148	\$48,148	(\$587,407)	(\$587,407)	(\$587,407)	(\$587,407)		
LL07	Other Operation and Maintenance	34	\$3,117,165	\$3,220,550	\$3,709,571	\$3,950,605	\$106,918,743	\$110,464,881	\$127,238,295	\$135,505,735		
LL08	Taxes - Ad Valorem	26	\$536,774	\$898,780	\$1,055,760	\$1,198,769	\$13,902,459	\$23,278,412	\$27,344,195	\$31,048,126		
LL09	Taxes - Business License	(179)	\$321,496	\$322,119	\$322,746	\$413,064	(\$57,387,080)	(\$57,498,279)	(\$57,610,198)	(\$73,731,979)		
LL10	Taxes - Local Franchise	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL11	Taxes - Social Security	14	\$123,423	\$127,372	\$134,457	\$138,760	\$1,727,915	\$1,783,209	\$1,882,404	\$1,942,640		
LL12	Income Taxes - State Current	20	(\$244,775)	(\$458,612)	\$53,767	\$136,001	(\$4,919,987)	(\$9,218,105)	\$1,080,721	\$2,733,627		
LL13	Income Taxes - State Deferred	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL14	Income Taxes - Federal Current	37	\$47,869	(\$293,715)	\$892,174	\$1,088,998	\$1,771,169	(\$10,867,466)	\$33,010,438	\$40,292,910		
LL15	Income Taxes - Federal Deferred	0	\$463,903	\$541,567	\$603,973	\$620,815	\$0	\$0	\$0	\$0		
LL16	Amortization	0	\$3,555	\$3,889	\$63,664	\$60,855	\$0	\$0	\$0	\$0		
LL17	Depreciaton	0	\$3,388,836	\$3,875,275	\$3,668,314	\$3,998,255	\$0	\$0	\$0	\$0		
LL18	CPUC Fees	63	\$200,526	\$200,914	\$256,629	\$273,731	\$12,693,288	\$12,717,884	\$16,244,642	\$17,327,177		
LL19	GO Prorated Expenses	20	\$3,711,654	\$3,896,941	\$4,428,109	\$4,615,367	\$74,197,244	\$77,901,188	\$88,519,417	\$92,262,769		
LL20	Reserved	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL21	Reserved	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL22	Reserved	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL23	Reserved	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
LL24	Reserved	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
TOTAL			\$24,971,220	\$25,678,483	\$28,614,953	\$30,008,639	\$729,874,747	\$730,529,674	\$821,528,020	\$833,873,465		
AVERAGE EXPENSE LAG DAYS			29.2	28.4	28.7	27.8	DAYS					
AVERAGE AMOUNT AVAILABLE AS A RESULT OF COLLECTING REVENUES IN ADVANCE OF PAYMENT OF EXPENSES EXCESS COLLECTION LAG OVER PAYMENT LAG			17.3	18.1	17.8	18.7	DAYS					
TOTAL EXPENSES, TAXES, AND DEPRECIATION			\$24,971,220	\$25,678,483	\$28,614,953	\$30,008,639						
TOTAL DOLLAR DAY AMOUNT			\$431,695,631	\$463,940,010	\$509,535,563	\$562,019,324						
AVERAGE DAILY AMOUNT (TOTAL / 365)			\$1,182,728	\$1,271,069	\$1,395,988	\$1,539,779						

Working Cash Withheld from Employees

WP10D4

110 - Livermore (LIV)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Allocated Total Company Amount	\$9,221	\$9,829	\$10,404	\$10,342	\$11,006	\$11,006	\$11,006	\$11,006	\$11,006

Weighted Average Rate Base

Table 10 Rate Base

110 - Livermore (LIV)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	Last Adopted 2023	Last Adopted 2024
UTILITY PLANT	\$89,589,116	\$101,907,005	\$112,081,444	\$115,862,380	\$124,346,464	\$139,190,246	\$156,376,137	\$172,678,301	\$191,502,677	\$127,385,018	\$137,350,448
DEPRECIATION RESERVE	\$31,753,529	\$34,196,484	\$37,077,458	\$39,966,805	\$42,437,288	\$45,010,027	\$48,272,511	\$51,641,661	\$55,033,358	\$42,710,345	\$45,864,297
NET UTILITY PLANT	\$57,835,588	\$67,710,521	\$75,003,985	\$75,895,575	\$81,909,176	\$94,180,219	\$108,103,626	\$121,036,641	\$136,469,319	\$84,674,674	\$91,486,151
DEDUCTIONS FROM RATE BASE											
CONTRIBUTIONS	\$2,869,257	\$2,855,986	\$2,785,058	\$2,760,013	\$2,788,915	\$2,677,276	\$2,642,695	\$2,615,408	\$2,597,754	\$2,744,017	\$2,716,464
ADVANCES	\$8,209,095	\$7,978,330	\$7,523,321	\$7,061,328	\$6,815,665	\$6,673,928	\$6,369,145	\$6,069,713	\$5,775,369	\$7,310,659	\$7,146,366
RESERVE FOR AMORTIZATION OF INTANGIBLES	\$206,635	\$220,451	\$234,468	\$170,937	\$76,758	\$132,818	\$153,608	\$200,662	\$273,882	\$264,755	\$312,859
DEFERRED TAXES	\$11,078,106	\$12,757,188	\$13,775,908	\$13,746,021	\$13,709,968	\$14,286,873	\$15,059,518	\$15,981,026	\$17,235,775	\$12,740,206	\$13,329,787
UNAMORTIZED ITC	\$81,493	\$80,079	\$78,772	\$77,466	\$76,052	\$74,638	\$73,225	\$71,811	\$70,398	\$75,838	\$74,424
TOTAL DEDUCTIONS:	\$22,444,585	\$23,892,034	\$24,397,527	\$23,815,766	\$23,467,358	\$23,845,534	\$24,298,191	\$24,938,621	\$25,953,178	\$23,135,475	\$23,579,900
ADDITIONS TO RATE BASE											
WORKING CAPITAL	\$2,111,314	\$2,158,631	\$1,605,805	\$1,764,516	\$1,785,551	\$2,612,627	\$2,475,786	\$2,421,039	\$2,400,278	\$2,740,676	\$2,906,874
TAXES ON ADVANCES	\$137,328	\$116,337	\$95,933	\$78,164	\$86,992	\$0	\$0	\$0	\$0	\$0	\$0
TAXES ON CONTRIBUTIONS	\$115,753	\$150,920	\$146,046	\$141,193	\$177,328	\$188,546	\$198,600	\$210,119	\$222,089	\$150,920	\$159,987
TOTAL ADDITIONS:	\$2,364,395	\$2,425,888	\$1,847,783	\$1,983,872	\$2,049,871	\$2,801,172	\$2,674,386	\$2,631,157	\$2,622,367	\$2,891,596	\$3,066,861
DISTRICT RATE BASE	\$37,755,397	\$46,244,376	\$52,454,241	\$54,063,682	\$60,491,688	\$73,135,857	\$86,479,821	\$98,729,177	\$113,138,509	\$64,430,795	\$70,973,112
Allocation of Affiliate	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Allocation of CSS	\$2,639,229	\$3,209,751	\$3,141,102	\$3,136,159	\$3,131,434	\$3,195,890	\$3,327,246	\$3,413,483	\$3,555,489	\$2,983,809	\$3,199,642
Allocation of RDOM/RDV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MDR II.D.1 TOTAL RATE BASE	\$40,394,626	\$49,454,126	\$55,595,343	\$57,199,841	\$63,623,122	\$76,331,747	\$89,807,067	\$102,142,660	\$116,693,998	\$67,414,604	\$74,172,754
MDR II.D.1 % CHANGE IN TOTAL RATE BASE	12.6%	22.4%	12.4%	2.9%	11.2%	20.0%	17.7%	13.7%	14.2%	4.6%	10.0%
RATE BASE EXCLUDING WORKING CASH	\$38,283,313	\$47,295,495	\$53,989,539	\$55,435,325	\$61,837,571	\$73,719,121	\$87,331,281	\$99,721,621	\$114,293,720	\$64,673,928	\$71,265,880
District Rate Base Per Customer (in \$)	2,048.0	2,500.8	2,829.7	2,910.6	3,252.3	3,920.4	4,625.0	5,267.9	6,022.9	3,440.5	\$3,789.90
AVERAGE TOTAL RATEBASE PER											
MDR II.D.2 CUSTOMER (in \$)	2,191.1	2,674.4	2,999.2	3,079.4	3,420.7	4,091.7	4,802.9	5,450.0	6,212.1	3,599.9	3,960.8
MDR II.D.2 % CHANGE AVERAGE PER CUSTOMER	12.4%	22.1%	12.1%	2.7%	11.1%	19.6%	17.4%	13.5%	14.0%	3.8%	10.0%

Rate Base Effect of Taxing Advances

WP10E1

110 - Livermore (LIV)

Source: The methodology is based on D87-09-026 on Tax Reform Act of 1986.

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
TAXABLE ADVANCES	\$10,630	\$43,484	\$140,056	\$58,913	\$195,174	\$18,334	\$393	\$1,439	(\$1,439)	\$90,190	\$90,190	\$140,244	\$140,244	\$140,244	\$140,244
BALANCE FOR RATE BASE												\$0.0	\$0.0	\$0.0	\$0.0
<u>% OF ADVANCES TO RATE BASE</u>															
2013	24.82%														
2014	24.04%	24.82%													
2015	23.15%	24.04%	25.15%												
2016	22.19%	23.15%	25.86%	25.15%											
2017	21.16%	22.19%	25.44%	25.86%	25.15%										
2018	20.01%	21.16%	24.82%	25.44%	25.86%	25.15%									
2019	18.71%	20.01%	24.04%	24.82%	25.44%	25.86%	25.15%								
2020	17.28%	18.71%	23.15%	24.04%	24.82%	25.44%	25.86%	25.15%							
2021	15.74%	17.28%	22.19%	23.15%	24.04%	24.82%	25.44%	25.86%	25.15%						
2022	14.10%	15.74%	21.16%	22.19%	23.15%	24.04%	24.82%	25.44%	25.86%	25.15%					
2023	12.39%	14.10%	20.01%	21.16%	22.19%	23.15%	24.04%	24.82%	25.44%	25.86%	25.15%				
2024	10.61%	12.39%	18.71%	20.01%	21.16%	22.19%	23.15%	24.04%	24.82%	25.44%	25.86%	25.86%			
2025	8.78%	10.61%	17.28%	18.71%	20.01%	21.16%	22.19%	23.15%	24.04%	24.82%	25.44%	25.44%	25.86%		
2026	6.90%	8.78%	15.74%	17.28%	18.71%	20.01%	21.16%	22.19%	23.15%	24.04%	24.82%	24.82%	25.44%	25.86%	
2027	4.97%	6.90%	14.10%	15.74%	17.28%	18.71%	20.01%	21.16%	22.19%	23.15%	24.04%	24.04%	24.82%	25.44%	25.86%
<u>ANNUAL ADDITION TO RATE BASE</u>															
2013	\$2,638.3														
2014	\$2,555.3	\$10,792.4													
2015	\$2,460.7	\$10,453.0	\$35,219.6												
2016	\$2,358.4	\$10,066.2	\$36,216.0	\$14,814.8											
2017	\$2,248.9	\$9,647.7	\$35,636.7	\$15,234.0	\$49,079.8										
2018	\$2,126.6	\$9,199.7	\$34,760.7	\$14,990.3	\$50,468.3	\$4,610.4									
2019	\$1,988.4	\$8,699.4	\$33,667.4	\$14,621.8	\$49,661.1	\$4,740.8	\$98.8								
2020	\$1,836.4	\$8,133.9	\$32,421.7	\$14,161.9	\$48,440.4	\$4,665.0	\$101.6	\$361.9							
2021	\$1,672.8	\$7,512.4	\$31,073.9	\$13,637.9	\$46,916.9	\$4,550.3	\$100.0	\$372.1	-\$361.9						
2022	\$1,499.3	\$6,843.2	\$29,630.9	\$13,071.0	\$45,180.9	\$4,407.2	\$97.5	\$366.1	-\$372.1	\$22,679.9					
2023	\$1,317.4	\$6,133.3	\$28,019.6	\$12,464.0	\$43,302.7	\$4,244.2	\$94.5	\$357.1	-\$366.1	\$23,321.5	\$22,679.9				
2024	\$1,128.3	\$5,389.0	\$26,197.9	\$11,786.2	\$41,291.8	\$4,067.7	\$91.0	\$345.9	-\$357.1	\$22,948.5	\$23,321.5	\$36,264.5			
2025	\$933.2	\$4,615.5	\$24,196.2	\$11,019.9	\$39,046.3	\$3,878.8	\$87.2	\$333.1	-\$345.9	\$22,384.4	\$22,948.5	\$35,684.4	\$36,264.5		
2026	\$733.1	\$3,817.5	\$22,040.8	\$10,177.9	\$36,507.8	\$3,667.9	\$83.1	\$319.3	-\$333.1	\$21,680.4	\$22,384.4	\$34,807.2	\$35,684.4	\$36,264.5	
2027	\$528.7	\$2,998.8	\$19,754.6	\$9,271.3	\$33,718.3	\$3,429.4	\$78.6	\$304.4	-\$319.3	\$20,878.2	\$21,680.4	\$33,712.5	\$34,807.2	\$35,684.4	\$36,264.5

Rate Base Effect of Taxing CIAC - Federal

WP10E2

110 - Livermore (LIV)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
TAXABLE CONTRIBUTIONS	\$4,550	(\$1,344)	\$3,096	\$0	\$19,490	\$96,922	\$317,967	\$109,140	\$0	\$0	\$109,140	\$101,024	\$101,024	\$101,024	\$101,024
BALANCE FOR RATE BASE												\$84,449.6	\$95,445.2	\$106,219.0	\$116,438.5
<u>% OF CONTRIBUTIONS TO RATE BASE</u>															
2013	17.51%														
2014	18.47%	17.51%													
2015	18.48%	18.47%	17.51%												
2016	18.26%	18.48%	18.47%	17.51%											
2017	17.88%	18.26%	18.48%	18.47%	17.51%										
2018	17.38%	17.88%	18.26%	18.48%	18.47%	17.51%									
2019	16.78%	17.38%	17.88%	18.26%	18.48%	18.47%	17.51%								
2020	16.11%	16.78%	17.38%	17.88%	18.26%	18.48%	18.47%	17.51%							
2021	15.31%	16.11%	16.78%	17.38%	17.88%	18.26%	18.48%	18.47%	9.70%						
2022	14.38%	15.31%	16.11%	16.78%	17.38%	17.88%	18.26%	18.48%	10.50%	9.70%					
2023	13.33%	14.38%	15.31%	16.11%	16.78%	17.38%	17.88%	18.26%	10.90%	10.50%	9.70%				
2024	12.19%	13.33%	14.38%	15.31%	16.11%	16.78%	17.38%	17.88%	11.20%	10.90%	10.50%	9.70%			
2025	10.95%	12.19%	13.33%	14.38%	15.31%	16.11%	16.78%	17.38%	11.40%	11.20%	10.90%	10.50%	9.70%		
2026	9.65%	10.95%	12.19%	13.33%	14.38%	15.31%	16.11%	16.78%	11.40%	11.40%	11.20%	10.90%	10.50%	9.70%	
2027	8.28%	9.65%	10.95%	12.19%	13.33%	14.38%	15.31%	16.11%	11.40%	11.40%	11.40%	11.20%	10.90%	10.50%	9.70%
<u>ANNUAL ADDITION TO RATE BASE:</u>															
2013	\$796.7														
2014	\$840.3	-\$235.4													
2015	\$840.7	-\$248.3	\$542.1												
2016	\$831.0	-\$248.4	\$571.7	\$0.0											
2017	\$813.7	-\$245.5	\$572.0	\$0.0	\$3,412.8										
2018	\$790.6	-\$240.4	\$565.5	\$0.0	\$3,599.3	\$16,971.8									
2019	\$763.5	-\$233.6	\$553.7	\$0.0	\$3,601.2	\$17,898.9	\$55,678.5								
2020	\$732.8	-\$225.6	\$538.0	\$0.0	\$3,559.7	\$17,908.4	\$58,720.0	\$19,111.2							
2021	\$696.7	-\$216.5	\$519.5	\$0.0	\$3,485.4	\$17,702.1	\$58,751.2	\$20,155.1	\$0.0						
2022	\$654.4	-\$205.9	\$498.6	\$0.0	\$3,386.7	\$17,332.5	\$58,074.3	\$20,165.9	\$0.0	\$0.0					
2023	\$606.7	-\$193.4	\$474.1	\$0.0	\$3,270.6	\$16,842.0	\$56,862.0	\$19,933.5	\$0.0	\$0.0	\$10,586.5				
2024	\$554.5	-\$179.3	\$445.3	\$0.0	\$3,138.9	\$16,264.4	\$55,252.7	\$19,517.4	\$0.0	\$0.0	\$11,459.6	\$9,799.3			
2025	\$498.4	-\$163.8	\$412.8	\$0.0	\$2,984.3	\$15,609.4	\$53,358.0	\$18,965.0	\$0.0	\$0.0	\$11,896.2	\$10,607.5	\$9,799.3		
2026	\$439.0	-\$147.3	\$377.3	\$0.0	\$2,803.0	\$14,840.9	\$51,209.0	\$18,314.7	\$0.0	\$0.0	\$12,223.6	\$11,011.6	\$10,607.5	\$9,799.3	
2027	\$376.8	-\$129.7	\$339.1	\$0.0	\$2,598.9	\$13,939.4	\$48,687.9	\$17,577.1	\$0.0	\$0.0	\$12,441.9	\$11,314.6	\$11,011.6	\$10,607.5	\$9,799.3

Rate Base Effect of Taxing CIAC - State

WP10E3

110 - Livermore (LIV)

Source: The methodology is based on D87-09-026 on Tax Reform Act of 1986.

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
TAXABLE CONTRIBUTIONS	\$10,082	\$16,833	\$50,917	(\$12,318)	\$37,710	\$60,767	\$140,061	\$180,376	\$0	\$0	\$180,376	\$26,818	\$26,818	\$26,818	\$26,818
BALANCE FOR RATE BASE												\$104,095.9	\$103,155.2	\$103,899.6	\$105,650.6
<u>% OF CONTRIBUTIONS TO RATE BASE</u>															
2013	3.17%														
2014	3.72%	3.17%													
2015	3.96%	3.72%	3.17%												
2016	4.11%	3.96%	3.72%	3.17%											
2017	4.17%	4.11%	3.96%	3.72%	3.17%										
2018	4.17%	4.17%	4.11%	3.96%	3.72%	3.17%									
2019	4.13%	4.17%	4.17%	4.11%	3.96%	3.72%	3.17%								
2020	4.04%	4.13%	4.17%	4.17%	4.11%	3.96%	3.72%	3.17%							
2021	3.90%	4.04%	4.13%	4.17%	4.17%	4.11%	3.96%	3.72%	16.00%						
2022	3.71%	3.90%	4.04%	4.13%	4.17%	4.17%	4.11%	3.96%	15.90%	16.00%					
2023	3.48%	3.71%	3.90%	4.04%	4.13%	4.17%	4.17%	4.11%	15.40%	15.90%	16.00%				
2024	3.21%	3.48%	3.71%	3.90%	4.04%	4.13%	4.17%	4.17%	15.50%	15.40%	15.90%	16.00%			
2025	2.90%	3.21%	3.48%	3.71%	3.90%	4.04%	4.13%	4.17%	15.60%	15.50%	15.40%	15.90%	16.00%		
2026	2.57%	2.90%	3.21%	3.48%	3.71%	3.90%	4.04%	4.13%	15.50%	15.60%	15.50%	15.40%	15.90%	16.00%	
2027	2.22%	2.57%	2.90%	3.21%	3.48%	3.71%	3.90%	4.04%	15.30%	15.50%	15.60%	15.50%	15.40%	15.90%	16.00%
<u>ANNUAL ADDITION TO RATE BASE:</u>															
2013	\$319.4														
2014	\$374.9	\$533.3													
2015	\$399.7	\$625.9	\$1,613.1												
2016	\$414.2	\$667.3	\$1,893.3	-\$390.2											
2017	\$420.6	\$691.5	\$2,018.4	-\$458.0	\$1,194.7										
2018	\$420.7	\$702.2	\$2,091.6	-\$488.3	\$1,402.2	\$1,925.1									
2019	\$415.9	\$702.4	\$2,124.1	-\$506.0	\$1,494.8	\$2,259.6	\$4,437.2								
2020	\$407.0	\$694.4	\$2,124.6	-\$513.9	\$1,549.1	\$2,408.8	\$5,208.1	\$5,714.4							
2021	\$393.1	\$679.5	\$2,100.5	-\$514.0	\$1,573.2	\$2,496.2	\$5,552.1	\$6,707.2	\$0.0						
2022	\$374.0	\$656.3	\$2,055.3	-\$508.2	\$1,573.5	\$2,535.0	\$5,753.5	\$7,150.1	\$0.0	\$0.0					
2023	\$350.5	\$624.5	\$1,985.3	-\$497.2	\$1,555.7	\$2,535.6	\$5,843.0	\$7,409.5	\$0.0	\$0.0	\$28,860.1				
2024	\$323.2	\$585.2	\$1,889.0	-\$480.3	\$1,522.2	\$2,506.9	\$5,844.4	\$7,524.8	\$0.0	\$0.0	\$28,679.8	\$4,290.9			
2025	\$292.7	\$539.6	\$1,770.3	-\$457.0	\$1,470.3	\$2,452.9	\$5,778.0	\$7,526.6	\$0.0	\$0.0	\$27,777.9	\$4,264.1	\$4,290.9		
2026	\$259.4	\$488.6	\$1,632.3	-\$428.3	\$1,399.0	\$2,369.3	\$5,653.6	\$7,441.2	\$0.0	\$0.0	\$27,958.2	\$4,130.0	\$4,264.1	\$4,290.9	
2027	\$223.7	\$433.0	\$1,478.0	-\$394.9	\$1,311.1	\$2,254.5	\$5,461.1	\$7,280.9	\$0.0	\$0.0	\$28,138.6	\$4,156.8	\$4,130.0	\$4,264.1	\$4,290.9

CHAPTER 11

PRESENT AND PROPOSED RATE DESIGN

District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Filing Type: Application

Summary of Revenues at Present Rates for Two Years Prior to Test Year

Rate Tariff Classification	2024 Water Sales (CCF)	2024 Revenues at Present Rates (\$)	2025 Water Sales (CCF)	2025 Revenues at Present Rates (\$)	Check
Service Charge Revenues (Non-WRAM)					
Residential		\$7,337,305		\$7,356,776	
Non-Residential		1,447,388		1,444,091	
Recycled		0		0	
Reserved		0		0	
Reserved		0		0	
Subtotal		8,784,694		8,800,868	31.03%
Quantity Rate Revenues (WRAM)					
Residential	2,327,202	12,988,442	2,333,378	13,022,909	
Non-Residential	965,057	6,536,038	965,504	6,539,066	
Recycled	0	0	0	0	
Irrigation (1)	0	0	0	0	
Reserved	0	0	0	0	
Reserved	0	0	0	0	
Subtotal	3,292,259	19,524,480	3,298,882	19,561,975	68.97%
Flat Rate Revenues	-	0	-	0	
Private Fire Revenues	-	319,055	-	321,303	
Public Fire Revenues	-	0	-	0	
Total Water Sales and Revenues	3,292,259	28,628,229	3,298,882	28,684,147	
Other Revenues	-	18,324	-	17,915	
Total Operating Sales and Revenues	3,292,259	\$28,646,553	3,298,882	\$28,702,062	

(1) Note: Irrigation quantity revenues not subject to WRAM

Residential Metered Service		RESM	2024			2025		
Meter Sizes		# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)	
5/8 x 3/4"		12,234	\$30.60	\$4,492,469	12,267	\$30.60	\$4,504,391	
Fire Sprinkler w/ 3/4"		0	0.00	0	0	0.00	0	
3/4"		0	45.90	0	0	45.90	0	
Fire Sprinkler w/ 1"		3,418	31.52	1,292,782	3,427	31.52	1,296,213	
1"		1,652	76.50	1,516,333	1,656	76.50	1,520,357	
1-1/2"		5	153.00	9,207	5	153.00	9,231	
Fire Sprinkler w/ 2"		0	0.00	0	0	0.00	0	
2"		9	244.80	26,515	9	244.80	26,585	
3"		0	459.00	0	0	459.00	0	
4"		0	765.00	0	0	765.00	0	
6"		0	1,530.00	0	0	1,530.00	0	
8"		0	2,448.00	0	0	2,448.00	0	
10"		0	3,519.00	0	0	3,519.00	0	
12"		0	5,049.00	0	0	5,049.00	0	
14"		0	6,885.00	0	0	6,885.00	0	
16"		0	7,038.00	0	0	7,038.00	0	
18"		0	7,497.00	0	0	7,497.00	0	
Total		17,318		\$7,337,305	17,364		\$7,356,776	

Tier Blocks	Current Qty Tiers (CCF)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	First 6	1,032,460	\$1.7575	\$1,814,549	1,035,200	\$1.7575	\$1,819,364
Tier 2	Next 9	757,519	6.9856	5,291,724	759,529	6.9856	5,305,767
Tier 3	Next 8	263,364	8.7283	2,298,717	264,063	8.7283	2,304,818
Tier 4	Over 23	273,860	13.0850	3,583,452	274,586	13.0850	3,592,961
Tier 5	Reserved	0	0.0000	0	0	0.0000	0
Total		2,327,202		\$12,988,442	2,333,378		\$13,022,909
		Grand Total		\$20,325,747	Grand Total		\$20,379,686

District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Non-Residential Metered Service		NRES	2024			2025				
Meter Sizes		# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)			
5/8 x 3/4"		525	\$22.95	\$144,471	524	\$22.95	\$144,231	75%	133%	
3/4"		0	34.43	0	0	34.43	0	75%	133%	
1"		343	57.38	235,927	342	57.38	235,462	75%	133%	
1-1/2"		198	114.75	272,591	198	114.75	272,366	75%	133%	
2"		215	183.60	474,053	214	183.60	471,564	75%	133%	
3"		39	344.25	160,867	39	344.25	160,964	75%	133%	
4"		14	573.75	96,297	14	573.75	96,388	75%	133%	
6"		3	1,147.50	41,350	3	1,147.50	41,315	75%	133%	
8"		1	1,836.00	21,833	1	1,836.00	21,801	75%	133%	
10"		0	2,639.25	0	0	2,639.25	0	75%	133%	
12"		0	3,786.75	0	0	3,786.75	0	75%	133%	
14"		0	5,163.75	0	0	5,163.75	0	75%	133%	
16"		0	5,278.50	0	0	5,278.50	0	75%	133%	
18"		0	5,622.75	0	0	5,622.75	0	75%	133%	
Total		1,337		\$1,447,388	1,334		\$1,444,091			

Tier Blocks	Current Qty Tiers (CCF)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	All Usage	965,057	\$6.7727	\$6,536,038	965,504	\$6.7727	\$6,539,066
Tier 2	Reserved	0	\$0.0000	0	0	\$0.0000	0
Tier 3	Reserved	0	\$0.0000	0	0	\$0.0000	0
Tier 4	Reserved	0	\$0.0000	0	0	\$0.0000	0
Tier 5	Reserved	0	\$0.0000	0	0	\$0.0000	0
Total		965,057		\$6,536,038	965,504		\$6,539,066
Grand Total				\$7,983,427	Grand Total		\$7,983,157

RES Flat / Limited Flat Rate Service		RESF	2024			2025				
Premise Area		# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)			
< 6K Sq Ft		0	\$0.00	\$0	0	\$0.00	\$0			
> 6K to 10K Sq Ft		0	\$0.00	0	0	\$0.00	0			
>10K to 16K Sq Ft		0	\$0.00	0	0	\$0.00	0			
>16K to 25K Sq Ft		0	\$0.00	0	0	\$0.00	0			
Add Single RES		0	\$0.00	0	0	\$0.00	0			
Reserved		0	\$0.00	0	0	\$0.00	0			
Limited RES Flat		0	\$0.00	0	0	\$0.00	0			
Reserved		0	\$0.00	0	0	\$0.00	0			
Alex Kosloff		0	\$0.00	0	0	\$0.00	0			
Reserved		0	\$0.00	0	0	\$0.00	0			
Total		0		\$0	0		\$0			

Recycled Metered Service		RCYC	2024			2025				
Meter Sizes		# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)			
5/8 x 3/4"		0	\$0.00	\$0	0	\$0.00	\$0	0%	0%	
3/4"		0	\$0.00	0	0	\$0.00	0	0%	0%	
1"		0	\$0.00	0	0	\$0.00	0	0%	0%	
1-1/2"		0	\$0.00	0	0	\$0.00	0	0%	0%	
2"		0	\$0.00	0	0	\$0.00	0	0%	0%	
3"		0	\$0.00	0	0	\$0.00	0	0%	0%	
4"		0	\$0.00	0	0	\$0.00	0	0%	0%	
6"		0	\$0.00	0	0	\$0.00	0	0%	0%	
8"		0	\$0.00	0	0	\$0.00	0	0%	0%	
10"		0	\$0.00	0	0	\$0.00	0	0%	0%	
12"		0	\$0.00	0	0	\$0.00	0	0%	0%	
14"		0	\$0.00	0	0	\$0.00	0	0%	0%	
16"		0	\$0.00	0	0	\$0.00	0	0%	0%	
18"		0	\$0.00	0	0	\$0.00	0	0%	0%	
Total		0		\$0	0		\$0			

Tier Blocks	Current Qty Tiers (CCF)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	0	0	\$0.0000	\$0	0	\$0.0000	\$0
Tier 2	0	0	\$0.0000	0	0	\$0.0000	0
Tier 3	0	0	\$0.0000	0	0	\$0.0000	0
Tier 4	0	0	\$0.0000	0	0	\$0.0000	0
Tier 5	0	0	\$0.0000	0	0	\$0.0000	0
Total		0		\$0	0		\$0
Grand Total				\$0	Grand Total		\$0

District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Irrigation / Interruptible IRR and PA		IRR	2024			2025		
Tier Blocks	Current Qty Tiers (CCF)		Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Irrigation		IRR						
Tier 1	0		0	\$0.0000	\$0	0	\$0.0000	\$0
Tier 2	0		0	0.0000	0	0	0.0000	0
Interruptible IRR		IIRR						
Tier 1	0		0	0.0000	0	0	0.0000	0
Tier 2	0		0	0.0000	0	0	0.0000	0
Interruptible PA IRR		IPAIRR						
Tier 1	0		0	0.0000	0	0	0.0000	0
Tier 2	0		0	0.0000	0	0	0.0000	0
Total			0		\$0	0		\$0

Fire Protection Service		PRF	2024			2025		
Size of Connection			# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)
1"			2	\$9.84	\$237	2	\$9.84	\$239
1-1/2"			0	\$14.76	0	0	\$14.76	0
2"			22	\$19.68	5,192	22	\$19.68	5,231
3"			0	\$29.52	0	0	\$29.52	0
4"			79	\$39.36	37,311	80	\$39.36	37,594
6"			138	\$59.04	97,734	139	\$59.04	98,398
8"			167	\$78.72	157,845	168	\$78.72	158,953
10"			2	\$98.39	2,368	2	\$98.39	2,386
12"			13	\$118.08	18,368	13	\$118.08	18,502
14"			0	\$137.76	0	0	\$137.76	0
Total			423		\$319,055	426		\$321,303

Service Connections	Total # of Inch of Diameter	Current Rates (\$)	Revenues at Present Rates (\$)	Tariff Code
Rate Inch Diameter	2,703	\$0.0000	\$0	PRF2
Reserved	Reserved	Reserved	Reserved	PRF3
Reserved	Reserved	Reserved	Reserved	PRF4
				PRF5
				PRF6
Total		\$0	\$0	
Grand Total			\$319,055	

Public Fire Protection Service		PUF	2024			2025			Tariff Code
Reserved			Reserved	Reserved	Reserved	Reserved	Reserved		
								PUF1	
								PUF2	
								PUF3	
Total			\$0	\$0	\$0	\$0	\$0		

District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Rate Design Calculations

2026	NonRes:Recycled Ratio	Weighted Current Ratio	Calibrated Current Ratio	Current Ratio	Meter Equivalents
3,073,862	100.00%	50%	50.000%	100%	5,232
0	0.00%	0%	50.000%	100%	0
3,073,862	100.000%	50%	100%		5,232
Non-Residential					3,073,862
					2027
	NonRes:Recycled Ratio	Weighted Current Ratio	Calibrated Current Ratio	Current Ratio	Meters
3,268,502	100.00%	50%	50%	100%	5,220
0	0.00%	0%	50%	100%	0
3,268,502		50%	100%		5,220
Non-Residential					3,268,502
					2028
	NonRes:Recycled Ratio	Weighted Current Ratio	Calibrated Current Ratio	Current Ratio	Meters
3,488,098	100.00%	50%	50%	100%	5,208
0	0.00%	0%	50%	100%	0
3,488,098		50%	100%		5,208
Non-Residential					3,488,098

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District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Below this Row are the Revenue Classes that Comprise the Non-Residential Customer Classes (Excludes RES, IRR, RCYC and Fire Service)

Business		BUS			2024			2025		
Meter Sizes		# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)
5/8 x 3/4"		491	\$22.95	\$135,089	490	\$22.95	\$134,891			
3/4"		0	\$34.43	\$0	0	\$34.43	\$0			
1"		273	\$57.38	\$187,641	272	\$57.38	\$187,365			
1-1/2"		120	\$114.75	\$165,109	120	\$114.75	\$164,867			
2"		99	\$183.60	\$218,326	99	\$183.60	\$218,005			
3"		8	\$344.25	\$32,749	8	\$344.25	\$32,701			
4"		2	\$573.75	\$13,645	2	\$573.75	\$13,625			
6"		0	\$1,147.50	\$0	0	\$1,147.50	\$0			
8"		1	\$1,836.00	\$21,833	1	\$1,836.00	\$21,801			
10"		0	\$2,639.25	\$0	0	\$2,639.25	\$0			
12"		0	\$3,786.75	\$0	0	\$3,786.75	\$0			
14"		0	\$5,163.75	\$0	0	\$5,163.75	\$0			
16"		0	\$5,278.50	\$0	0	\$5,278.50	\$0			
18"		0	\$5,622.75	\$0	0	\$5,622.75	\$0			
		993		\$774,393	991		\$773,255			
Tier Blocks	Current Qty Tiers (CCF)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	All Usage	499,058	\$6.7727	\$3,379,973	498,325	\$6.7727	\$3,375,005			
Tier 2	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 3	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 4	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 5	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
		499,058		\$3,379,973	498,325		\$3,375,005			
Grand Total				\$4,154,366			\$4,148,259			

Multi Family Dwelling		MF			2024			2025		
Meter Sizes		# Services	Current Rates (\$)	Revenues at Currnt Rates (\$)	# Services	Current Rates (\$)	Revenues at Currnt Rates (\$)	# Services	Current Rates (\$)	Revenues at Currnt Rates (\$)
5/8 x 3/4"		2	\$22.95	\$550	2	\$22.95	\$554			
3/4"		0	\$34.43	\$0	0	\$34.43	\$0			
1"		7	\$57.38	\$4,813	7	\$57.38	\$4,851			
1-1/2"		32	\$114.75	\$44,003	32	\$114.75	\$44,352			
2"		41	\$183.60	\$90,206	41	\$183.60	\$90,921			
3"		15	\$344.25	\$61,879	15	\$344.25	\$62,370			
4"		6	\$573.75	\$41,253	6	\$573.75	\$41,580			
6"		1	\$1,147.50	\$13,751	1	\$1,147.50	\$13,860			
8"		0	\$1,836.00	\$0	0	\$1,836.00	\$0			
10"		0	\$2,639.25	\$0	0	\$2,639.25	\$0			
12"		0	\$3,786.75	\$0	0	\$3,786.75	\$0			
14"		0	\$5,163.75	\$0	0	\$5,163.75	\$0			
16"		0	\$5,278.50	\$0	0	\$5,278.50	\$0			
18"		0	\$5,622.75	\$0	0	\$5,622.75	\$0			
		104		\$256,454	105		\$258,489			
Tier Blocks	Current Qty Tiers (CCF)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	All Usage	148,835	\$6.7727	\$1,008,016	150,016	\$6.7727	\$1,016,012			
Tier 2	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 3	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 4	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
Tier 5	Reserved	0	\$0.0000	\$0	0	\$0.0000	\$0			
		148,835		\$1,008,016	150,016		\$1,016,012			
Grand Total				\$1,264,471			\$1,274,501			

District / Consolidated Group Code:	110	LIV
Consolidated Group Type / System:	0	
District / Consolidated Group Name:	Livermore	
Projected Year:	2024	0
Projected Year:	2025	

Industrial		IND	2024			2025		
Meter Sizes			# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)
5/8 x 3/4"			0	\$22.95	\$0	0	\$22.95	\$0
3/4"			0	\$34.43	\$0	0	\$34.43	\$0
1"			0	\$57.38	\$0	0	\$57.38	\$0
1-1/2"			0	\$114.75	\$0	0	\$114.75	\$0
2"			0	\$183.60	\$0	0	\$183.60	\$0
3"			0	\$344.25	\$0	0	\$344.25	\$0
4"			0	\$573.75	0	0	\$573.75	\$0
6"			0	\$1,147.50	0	0	\$1,147.50	\$0
8"			0	\$1,836.00	0	0	\$1,836.00	\$0
10"			0	\$2,639.25	0	0	\$2,639.25	\$0
12"			0	\$3,786.75	0	0	\$3,786.75	0
14"			0	\$5,163.75	0	0	\$5,163.75	0
16"			0	\$5,278.50	0	0	\$5,278.50	0
18"			0	\$5,622.75	0	0	\$5,622.75	0
			0		\$0	0		\$0
			0		\$0	0		\$0
Tier Blocks	Current Qty Tiers (CCF)		Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	All Usage		0	\$6.7727	\$0	0	\$6.7727	\$0
Tier 2	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 3	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 4	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 5	Reserved		0	\$0.0000	0	0	\$0.0000	0
			0		\$0	0		\$0
			0		\$0	0		\$0
Grand Total					\$0			\$0

Public Authority		PA	2024			2025		
Meter Sizes			# Services	Current Rates (\$)	Revenues at Present Rates (\$)	# Services	Current Rates (\$)	Revenues at Present Rates (\$)
5/8 x 3/4"			32	\$22.95	\$8,832	32	\$22.95	\$8,786
3/4"			0	\$34.43	\$0	0	\$34.43	\$0
1"			63	\$57.38	\$43,473	63	\$57.38	\$43,246
1-1/2"			46	\$114.75	\$63,479	46	\$114.75	\$63,147
2"			59	\$183.60	\$130,269	59	\$183.60	\$129,589
3"			16	\$344.25	\$66,239	16	\$344.25	\$65,893
4"			6	\$573.75	\$41,399	6	\$573.75	\$41,183
6"			2	\$1,147.50	\$27,599	2	\$1,147.50	\$27,455
8"			0	\$1,836.00	0	0	\$1,836.00	0
10"			0	\$2,639.25	0	0	\$2,639.25	0
12"			0	\$3,786.75	0	0	\$3,786.75	0
14"			0	\$5,163.75	0	0	\$5,163.75	0
16"			0	\$5,278.50	0	0	\$5,278.50	0
18"			0	\$5,622.75	0	0	\$5,622.75	0
			224		\$381,290	223		\$379,300
Tier Blocks	Current Qty Tiers (CCF)		Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)	Current Qty (CCF)	Current Rates (\$)	Revenues at Present Rates (\$)
Tier 1	All Usage		305,817	\$6.7727	\$2,071,204	305,817	\$6.7727	\$2,071,204
Tier 2	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 3	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 4	Reserved		0	\$0.0000	0	0	\$0.0000	0
Tier 5	Reserved		0	\$0.0000	0	0	\$0.0000	0
			305,817		\$2,071,204	305,817		\$2,071,204
Grand Total					\$2,452,494			\$2,450,504

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Filing Type: Application

Summary of Revenues at Present and Proposed Rates

Rate Tariff Classification	Water Sales (CCF)	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	% Change in Revenues	Check	Check	Check
Service Charge Revenues (Non-WRAM)								
Residential		\$7,376,248	\$8,848,833	\$1,472,585	19.96%	8,848,833	17,250,535	RESM
Non-Residential		1,440,794	3,073,862	1,633,068	113.34%	3,073,862	7,122,340	NRES+RCYC
Recycled		0	0	0	0.00%	26,099,368	71.91% RESM Prop %	TRUE
Reserved		0	0	0	0.00%	10,196,202	28.09% NRES+RCYC Prop	TRUE
Reserved		0	0	0	0.00%			32.85%
Subtotal		8,817,042	11,922,695	3,105,653	35.22%			32.85%
								TRUE
Quantity Rate Revenues (WRAM)								
Residential	2,339,554	13,057,377	17,250,535	4,193,159	32.11%			
Non-Residential	965,951	6,542,094	7,122,340	580,247	8.87%			
Recycled	0	0	0	0	0.00%			
Irrigation (1)	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			67.15%
Subtotal	3,305,504	19,599,471	24,372,876	4,773,405	24.35%			67.15%
								TRUE
Flat Rate Revenues	0	0	0	0	0.00%			
Private Fire Revenues	0	323,552	348,121	24,569	7.59%			
Public Fire Revenues	0	0	0	0	0.00%			
Total Water Sales and Revenues	3,305,504	28,740,064	36,643,691	7,903,627	27.50%			
Other Revenues	0	17,866	17,866	0	0.00%			
Total Operating Sales and Revenues	3,305,504	\$28,757,930	\$36,661,557	\$7,903,627	27.48%			

(1) Note: Irrigation quantity revenues not subject to WRAM

Residential Metered Service		RESM							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)
5/8 x 3/4"	12,299	\$30.60	\$36.71	\$6.11	19.97%	\$4,516,313	\$5,418,099	\$901,787	1.0	12,299.3	36.71
Fire Sprinkler w/ 3/4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
3/4"	0	45.90	\$55.06	9.16	19.96%	0	0	0	1.5	0.0	55.06
Fire Sprinkler w/ 1"	3,436	31.52	\$37.81	6.29	19.96%	1,299,643	1,558,995	259,351	1.03	3,539.1	37.81
1"	1,661	76.50	\$91.77	15.27	19.96%	1,524,380	1,828,659	304,278	2.5	4,151.4	91.77
1-1/2"	5	153.00	\$183.54	30.54	19.96%	9,255	11,103	1,847	5.0	25.2	183.54
Fire Sprinkler w/ 2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
2"	9	244.80	\$293.67	48.87	19.96%	26,656	31,977	5,321	8.0	72.6	293.67
3"	0	459.00	\$550.62	91.62	19.96%	0	0	0	15.0	0.0	550.62
4"	0	765.00	\$917.70	152.70	19.96%	0	0	0	25.0	0.0	917.70
6"	0	1,530.00	\$1,835.41	305.41	19.96%	0	0	0	50.0	0.0	1,835.41
8"	0	2,448.00	\$2,936.65	488.65	19.96%	0	0	0	80.0	0.0	2,936.65
10"	0	3,519.00	\$4,221.43	702.43	19.96%	0	0	0	115.0	0.0	4,221.43
12"	0	5,049.00	\$6,056.84	1,007.84	19.96%	0	0	0	165.0	0.0	6,056.84
14"	0	6,885.00	\$8,259.33	1,374.33	19.96%	0	0	0	225.0	0.0	8,259.33
16"	0	7,038.00	\$8,442.87	1,404.87	19.96%	0	0	0	230.0	0.0	8,442.87
18"	0	7,497.00	\$8,993.49	1,496.49	19.96%	0	0	0	245.0	0.0	8,993.49
Total	17,410					\$7,376,248	\$8,848,833	\$1,472,585		20,088	\$8,848,537

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	First 6	First 6	1,037,940	1,023,109	\$1.7575	\$1.8276	\$0.0701	3.99%	\$1,824,179	\$1,869,834	\$45,655	
Tier 2	Next 9	Next 9	761,539	788,370	6.9856	7.3106	0.3250	4.65%	5,319,809	5,763,455	443,645	
Tier 3	Next 8	Next 17	264,761	398,386	8.7283	14.6211	5.8928	67.51%	2,310,918	5,824,840	3,513,922	
Tier 4	Over 23	Over 32	275,313	129,689	13.0850	29.2423	16.1573	123.48%	3,602,470	3,792,406	189,936	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			2,339,554	2,339,554					\$13,057,377	\$17,250,535	\$4,193,159	
									Grand Total	\$20,433,624	\$26,099,368	\$5,665,744

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Non-Residential Metered Service		NRES			Open Tariff Excel Grouping							
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)	
5/8 x 3/4"	523	\$22.95	\$48.96	\$26.01	113.33%	\$143,991	\$307,180	\$163,189	1.00	522.8	\$48.96	
3/4"	0	34.43	\$73.45	39.02	113.33%	0	0	0	1.50	0.0	73.45	
1"	341	57.38	\$122.41	65.03	113.33%	234,998	501,326	266,328	2.50	853.2	122.41	
1-1/2"	198	114.75	\$244.82	130.07	113.35%	272,141	580,615	308,474	5.00	988.2	244.82	
2"	213	183.60	\$391.71	208.11	113.35%	469,076	1,000,772	531,696	8.00	1,703.3	391.71	
3"	39	344.25	\$734.45	390.20	113.35%	161,061	343,619	182,559	15.00	584.8	734.45	
4"	14	573.75	\$1,224.08	650.33	113.35%	96,479	205,836	109,357	25.00	350.3	1,224.08	
6"	3	1,147.50	\$2,448.17	1,300.67	113.35%	41,280	88,071	46,791	50.00	149.9	2,448.17	
8"	1	1,836.00	\$3,917.07	2,081.07	113.35%	21,768	46,443	24,674	80.00	79.0	3,917.07	
10"	0	2,639.25	\$5,630.79	2,991.54	113.35%	0	0	0	115.00	0.0	5,630.79	
12"	0	3,786.75	\$8,078.95	4,292.20	113.35%	0	0	0	165.00	0.0	8,078.95	
14"	0	5,163.75	\$11,016.76	5,853.01	113.35%	0	0	0	225.00	0.0	11,016.76	
16"	0	5,278.50	\$11,261.57	5,983.07	113.35%	0	0	0	230.00	0.0	11,261.57	
18"	0	5,622.75	\$11,996.02	6,373.27	113.35%	0	0	0	245.00	0.0	11,996.02	
Total	1,332					\$1,440,794	\$3,073,862	\$1,633,068		5,232	\$3,073,862	

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	965,951	965,951	\$6.7727	\$7.3734	\$0.6007	8.87%	\$6,542,094	\$7,122,340	\$580,247
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			965,951	965,951					\$6,542,094	\$7,122,340	\$580,247
Grand Total									\$7,982,888	\$10,196,202	\$2,213,314

RES Flat / Limited Flat Rate Service		RESF			Close Tariff Excel Grouping							
Premise Area	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)	
< 6K Sq Ft	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0	1.00	0.0	\$0.00	
> 6K to 10K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	1.50	0.0	0.00	
>10K to 16K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	2.50	0.0	0.00	
>16K to 25K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	5.00	0.0	0.00	
Add Single RES	0	0.00	0.00	0.00	0.00%	0	0	0	8.00	0.0	0.00	
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	15.00	0.0	0.00	
Limited RES Flat	0	0.00	0.00	0.00	0.00%	0	0	0	25.00	0.0	0.00	
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	50.00	0.0	0.00	
Alex Kosloff	0	0.00	0.00	0.00	0.00%	0	0	0	80.00	0.0	0.00	
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	115.00	0.0	0.00	
Total	0					\$0	\$0	\$0		0	\$0	

Recycled Metered Service		RCYC			Close Tariff Excel Grouping							
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)	
5/8 x 3/4"	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0	1.00	0.0	\$0.00	
3/4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	1.50	0.0	0.00	
1"	0	0.00	\$0.00	0.00	0.00%	0	0	0	2.50	0.0	0.00	
1-1/2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	5.00	0.0	0.00	
2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	8.00	0.0	0.00	
3"	0	0.00	\$0.00	0.00	0.00%	0	0	0	15.00	0.0	0.00	
4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	25.00	0.0	0.00	
6"	0	0.00	\$0.00	0.00	0.00%	0	0	0	50.00	0.0	0.00	
8"	0	0.00	\$0.00	0.00	0.00%	0	0	0	80.00	0.0	0.00	
10"	0	0.00	\$0.00	0.00	0.00%	0	0	0	115.00	0.0	0.00	
12"	0	0.00	\$0.00	0.00	0.00%	0	0	0	165.00	0.0	0.00	
14"	0	0.00	\$0.00	0.00	0.00%	0	0	0	225.00	0.0	0.00	
16"	0	0.00	\$0.00	0.00	0.00%	0	0	0	230.00	0.0	0.00	
18"	0	0.00	\$0.00	0.00	0.00%	0	0	0	245.00	0.0	0.00	
Total	0					\$0	\$0	\$0		0	\$0	

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2026

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Irrigation / Interruptible IRR and PA IRR										Close Tariff Excel Grouping		
Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Irrigation IRR												
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0	
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Interruptible IRR IIRR												
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Interruptible PA IRR IPAIRR												
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			0	0					\$0	\$0	\$0	

Fire Protection Service PRF										Open Tariff Excel Grouping		
Size of Connection	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code	Proposed Rate Change		
1"	2	\$9.84	\$10.59	\$0.75	7.62%	\$240	\$259	\$18	PRF1	7.59%		
1-1/2"	0	14.76	\$15.88	1.12	7.59%	0	0	0	PRF1	7.59%		
2"	22	19.68	\$21.17	1.49	7.57%	5,271	5,670	399	PRF1	7.59%		
3"	0	29.52	\$31.76	2.24	7.59%	0	0	0	PRF1	7.59%		
4"	80	39.36	\$42.35	2.99	7.60%	37,876	40,753	2,877	PRF1	7.59%		
6"	140	59.04	\$63.52	4.48	7.59%	99,062	106,578	7,517	PRF1	7.59%		
8"	169	78.72	\$84.70	5.98	7.60%	160,062	172,221	12,159	PRF1	7.59%		
10"	2	98.39	\$105.86	7.47	7.59%	2,405	2,587	183	PRF1	7.59%		
12"	13	118.08	\$127.05	8.97	7.60%	18,636	20,052	1,416	PRF1	7.59%		
14"	0	137.76	\$148.22	10.46	7.59%	0	0	0	PRF1	7.59%		
Total	429					\$323,552	\$348,121	\$24,569				

Service Connections	Total # of Inch of Diameter	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code
Rate Inch Diameter	2,742	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0	PRF2
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PRF3
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PRF4
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PRF5
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PRF6
Total	0					\$0	\$0	\$0	
Grand Total						\$323,552	\$348,121	\$24,569	

Public Fire Protection Service PUF										Close Tariff Excel Grouping
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code	
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PUF1	
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PUF2	
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	PUF3	
Total	0					\$0	\$0	\$0		

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2026

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50% \$7,903,415			
Revenues - Proposed Rates (Per Summary)	\$36,643,691	\$36,643,691	\$0	TRUE
Validation - Rates Produce Rev Req	\$212			

Rate Design Calculations

Rate Tariff Classifications	Present Rates (\$)	Current % Split	Proposed Rates (\$)	Proposed % Split	Revenue Incr (Decr) (\$)	% Change		Current Rates %	Proposed Rates %		
Service Charge Revenues											
Residential	20,433,624	\$7,376,248	25.958%	\$8,848,537	24.379%	\$1,472,289	19.96%	11,922,399	Service Charge 31.027882%	32.848274%	
Non-Residential	7,982,888	1,440,794	5.070%	3,073,862	8.469%	1,633,068	113.34%	24,372,959	Quantity 68.972118%	67.151726%	
Recycled	28,416,512	0	0.000%	0	0.000%	0	0.00%	36,295,358	Residential 71.907573%	71.907573%	
Reserved	TRUE	0	-	-	-	-	0.00%	TRUE	Non-Residential 28.092427%	28.092427%	
Reserved	0	-	-	-	-	-	0.00%		Water Sales Current Qty (CCF) Proposed Qty (CCF)		
Quantity Rate Revenues											
Residential	13,057,377	45.950%	17,250,574	47.528%	4,193,197	32.11%		Residential	2,339,554	2,339,554	
Non-Residential	6,542,094	23.022%	7,122,385	19.623%	580,291	8.87%		Non-Residential	965,951	965,951	
Recycled	0	0.000%	0	0.000%	0	0.00%		Recycled	0	0	
Irrigation	0	-	-	-	-	-	0.00%	70.77751%	Total	3,305,504	3,305,504
Reserved	0	-	-	-	-	-	0.00%	70.77751%	Residential	TRUE	TRUE
Reserved	0	-	-	-	-	-	0.00%		Non-Residential	TRUE	TRUE
Flat Rate	0	-	0	-	0	0.00%		Validation	\$	%	
Private Fire	323,552	-	348,121	-	24,569	7.59%		Service Charge	32.848274%	32.848274%	
Public Fire	0	-	-	-	-	0.00%		Quantity	67.151726%	67.151726%	
Total Water Revenues	28,740,064	\$28,740,064	100.000%	\$36,643,479	100.00%	\$7,903,415	27.50%	36,643,479	CHECK	0.00000	TRUE
Total Water Revenues	28,416,512	\$28,740,064	28,416,512	36,295,358	36,295,358	36,295,358	36,295,358	CHECK	0.00000	TRUE	
Validation from Summary	TRUE		TRUE		TRUE			Residential	TRUE	TRUE	
Total Revenue Requirement Less Other	NRES/RCYC Ratio	100.00%	\$36,643,479		\$7,903,415			Non-Residential	TRUE	TRUE	

Tier Blocks Change? If yes, change N to Y and make changes.

Classification	Response
Residential	Y
Non-Residential	N Not set-up for Change
Recycled	N Not set-up for Change
Reserved	N Not set-up for Change
Irrigation	N Not set-up for Change
Interruptible IRR	N Not set-up for Change
Interruptible PA	N Not set-up for Change

New Tier Blocks, Percentages and Proposed Rates to Recover Revenues

Tier Blocks	New Tiers - RES	RES Proposed Rates (\$)	Residential Quantity (CCF)	Reserved	RES Proposed Qty Rev (\$)
Tier 1 Usage	First 6	\$1.8276	1,023,109		\$1,869,834
Tier 2 Usage	Next 9	\$7.3106	788,370		5,763,455
Tier 3 Usage	Next 17	\$14.6211	398,386		5,824,840
Tier 4 Usage	Over 32	\$29.2423	129,689		3,792,406
Tier 5 Usage	Reserved	\$0.0000	0		0
Total			2,339,554		\$17,250,535
Validations			2,339,554		\$17,250,574
			TRUE		FALSE

Tier Blocks	New Tiers - Non-RES	Non-RES Proposed Rates (\$)	Non-RES Quantity	Reserved	Non-RES Proposed Qty Rev (\$)	Non-RES Quantity - BUS	Non-RES Quantity - MF	Non-RES Quantity - IND	Non-RES Quantity - PA	Non-RES Quantity - OTH	Non-RES Quantity - Reserved
Tier 1 Usage	First xx	\$0.0000	0		\$7,122,340	0	0	0	0	0	0
Tier 2 Usage	Next xx	0.0000	0		0	0	0	0	0	0	0
Tier 3 Usage	All Over xx	0.0000	0		0	0	0	0	0	0	0
Tier 4 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Tier 5 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Total			0		\$7,122,340	0	0	0	0	0	0
Validation			0		\$7,122,385						
			TRUE		FALSE						

Tier Blocks	New Tiers - RCYC	RCYC Proposed Rates (\$)	RCYC Quantity	Reserved	RCYC Proposed Qty Rev (\$)	N/A	N/A	N/A
Tier 1 Usage	First xx	\$0.0000	0		\$0	N/A	N/A	N/A
Tier 2 Usage	Next xx	0.0000	0		0	N/A	N/A	N/A
Tier 3 Usage	All Over xx	0.0000	0		0	N/A	N/A	N/A
Tier 4 Usage	Reserved	0.0000	0		0	N/A	N/A	N/A
Tier 5 Usage	Reserved	0.0000	0		0	N/A	N/A	N/A
Total			0		\$0	N/A	N/A	N/A
Validation			0		\$0	N/A	N/A	N/A
			TRUE		TRUE	N/A	N/A	N/A

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Work Area to Build New Tier Blocks and Rates

New Tier Blocks - RESM				Using Alternate methodology		ROM methodology		Alternate methodology		Key
Tier Blocks	Tier Blocks	% Sales	Quantity Rate	Tier Blocks	% Sales	Tier Blocks	% Sales	Tier Blocks	% Sales	
Tier 1	First 6	43.7310%	\$1.8276	First 6	44.3649%	First 6	43.7310%	First 6	43.7310%	9
Tier 2	Next 9	33.6974%	\$7.3106	Next 9	32.5506%	Next 9	33.6974%	Next 9	33.6974%	10
Tier 3	Next 17	17.0283%	\$14.6211	Next 8	11.3168%	Next 17	17.0283%	Next 17	17.0283%	11
Tier 4	Over 32	5.5433%	\$29.2423	Over 23	11.7678%	Over 32	5.5433%	Over 32	5.5433%	12
Tier 5	Reserved	0.0000%	0	Reserved	0.0000%	Reserved	0.0000%	Reserved	0.0000%	13
					100.0000%				100.0000%	
Y	Override to Alternate Qty Rates									
Y	Override to Alternate Tier Blocks & % Sales									

DOM Potable & Recycled Water	No	2024	2024	2026	2026	SQR Calc	Current Rates	Proposed Rates
Potable & Recycled Mix	West Basin	Current Rates	Current Rates	Proposed Rates	Proposed Rates	Res Quantity Revs	\$13,057,377	\$17,250,535
	Units (AF)	Unit Cost	\$/AF	Margin \$/AF	\$/AF	Margin \$/AF	Non-Res Qty Revs	\$6,542,094
West Basin Potable	0	0	2,583	2,583	3,212	3,212	Total Qty Revs	\$19,599,471
West Basin RO	0	0	0	0	0	0	Sales (ccf)	3,305,504
West Basin Nitrified	0	0	0	0	0	0	SQR	\$5.929
Title 22	0	0	0	0	0	0		\$7.373

	Current Rates			Proposed Rates			Margin Percentage Calculations - 2026			
	Ccf/AF	CWS Cost/Ccf	CWS Cost/AF	Ccf/AF	CWS Cost/Ccf	CWS Cost/AF	Prop. Margin %	Default	Average	Margin Target
West Basin Potable	435.6	5.929	2,583	435.6	7.373	3,212	24.35%	N/A	N/A	N/A
West Basin RO	435.6	0.000	0	435.6	0.000	0	0.00%	0.00%	0.00%	0.00%
West Basin Nitrified	435.6	0.000	0	435.6	0.000	0	0.00%	0.00%	0.00%	0.00%
Title 22	435.6	0.000	0	435.6	0.000	0	0.00%	0.00%	0.00%	0.00%

MATRIX ALGEBRA [coefficients] x [variables] = [results]

Coefficients				Variables				Multiply the Matrices (NB - use Ctrl+Shift+Enter) solve for variables			
a	Tier 1 quantity	1,023,109	from RD, above	Q1	Tier 1 quantity rat	1.8276	feeds back into RD				
b	Tier 2 quantity	788,370	from RD, above	Q2	Tier 2 quantity rat	7.3106	feeds back into RD				
c	Tier 3 quantity	398,386	from RD, above	Q3	Tier 3 quantity rat	14.6211	feeds back into RD				
d	Tier 4 quantity	129,689	from RD, above	Q4	Tier 4 quantity rat	29.2423	feeds back into RD				
N/A	N/A			R1	Tier 1 revenue	\$ 1,869,878.50	Tier 1 revenue				
r1	ratio between T1 and T2 rates	25%	fixed value	R2	Tier 2 revenue	\$ 5,763,433.12	Tier 2 revenue				
r2	ratio between T2 and T3 rates	200%	fixed value	R3	Tier 3 revenue	\$ 5,824,857.95	Tier 3 revenue				
r3	ratio between T2 and T4 rates	400%	fixed value	R4	Tier 4 revenue	\$ 3,792,404.80	Tier 4 revenue				
T	quantity revenue (total)	17,250,574	from RD, above	T	Total	17,250,574	Check	TRUE			

Coefficient Matrix [8x8]

a	0	0	0	-1	0	0	0
0	b	0	0	0	-1	0	0
0	0	c	0	0	0	-1	0
0	0	0	d	0	0	0	-1
r1	-1	0	0	0	0	0	0
0	r2	-1	0	0	0	0	0
0	0	r3	-1	0	0	0	0
0	0	0	0	1	1	1	1

Results Matrix [8x1]

0
0
0
0
0
0
0
T

Coefficient Matrix for Rate Design (based on coefficients from above)

1,023,109	0	0	0	-1	0	0	0
0	788,370	0	0	0	-1	0	0
0	0	398,386	0	0	0	-1	0
0	0	0	129,689	0	0	0	-1
400%	-1	0	0	0	0	0	0
0	200%	-1	0	0	0	0	0
0	0	200%	-1	0	0	0	0
0	0	0	0	1	1	1	1

Results Matrix [8x1]

0
0
0
0
0
0
0
17,250,574

Invert the Coefficient Matrix (NB - use Ctrl+Shift+Enter)

0.0000	0.0000	0.0000	0.0000	0.2229	0.0697	0.0137	0.0000
0.0000	0.0000	0.0000	0.0000	-0.1084	0.2788	0.0550	0.0000
0.0000	0.0000	0.0000	0.0000	-0.2168	-0.4425	0.1099	0.0000
0.0000	0.0000	0.0000	0.0000	-0.4336	-0.8850	-0.7802	0.0000
-0.8916	0.1084	0.1084	0.1084	228,052.2850	71,298.4238	14,057.6634	0.1084
0.3341	-0.6659	0.3341	0.3341	-85,455.4373	219,759.5708	43,329.2337	0.3341
0.3377	0.3377	-0.6623	0.3377	-86,366.1941	-176,284.2004	43,791.0229	0.3377
0.2198	0.2198	0.2198	-0.7802	-56,230.6535	-114,773.7942	-101,177.9200	0.2198

Results Matrix [8x1]

0
0
0
0
0
0
0
17,250,574

Ratio's Between Tiers

	Tier From	Tier To	Rate Ratio	Tier Factor	Recalculated	Check	Check	Check
r1 to r2	25%	100%	25.0%	400.00%	1.8276	1.8276	TRUE	0.0000000
Tier 2 (Fixed)	100%	100%	100.0%	100.00%	7.3106	7.3106	TRUE	0.0000000
r2 to r3	100%	200%	200.0%	200.00%	14.6211	14.6211	TRUE	0.0000000
r2 to r4	200%	400%	400.0%	200.00%	29.2423	29.2423	TRUE	0.0000000

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%			
	\$7,903,415			
Revenues - Proposed Rates (Per Summary)	\$36,643,691	\$36,643,691	\$0	TRUE
Validation - Rates Produce Rev Req	\$212			

Below this Row are the Revenue Classes that Comprise the Non-Residential Customer Classes (Excludes RES, IRR, RCYC and Fire Service)

Business		BUS							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"	489	\$22.95	\$48.96	\$26.01	113.33%	\$134,692	\$287,344	\$152,651			
3/4"	0	34.43	73.45	39.02	113.33%	0	0	0			
1"	272	57.38	122.41	65.03	113.33%	187,089	399,121	212,032			
1-1/2"	120	114.75	244.82	130.07	113.35%	164,624	351,226	186,603			
2"	99	183.60	391.71	208.11	113.35%	217,685	464,429	246,745			
3"	8	344.25	734.45	390.20	113.35%	32,653	69,664	37,011			
4"	2	573.75	1,224.08	650.33	113.35%	13,605	29,027	15,421			
6"	0	1,147.50	2,448.17	1,300.67	113.35%	0	0	0			
8"	1	1,836.00	3,917.07	2,081.07	113.35%	21,768	46,443	24,674			
10"	0	2,639.25	5,630.79	2,991.54	113.35%	0	0	0			
12"	0	3,786.75	8,078.95	4,292.20	113.35%	0	0	0			
14"	0	5,163.75	11,016.76	5,853.01	113.35%	0	0	0			
16"	0	5,278.50	11,261.57	5,983.07	113.35%	0	0	0			
18"	0	5,622.75	11,996.02	6,373.27	113.35%	0	0	0			
Total	990					\$772,116	\$1,647,253	\$875,137			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	497,591	497,591	\$6.7727	\$7.3734	\$0.6007	8.87%	\$3,370,037	\$3,668,940	\$298,903	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			497,591	497,591					\$3,370,037	\$3,668,940	\$298,903	
									Grand Total	\$4,142,153	\$5,316,193	\$1,174,040

Multi Family Dwelling		MF							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"	2	\$22.95	\$48.96	\$26.01	113.33%	\$559	\$1,192	\$633			
3/4"	0	34.43	73.45	39.02	113.33%	0	0	0			
1"	7	57.38	122.41	65.03	113.33%	4,890	10,431	5,541			
1-1/2"	32	114.75	244.82	130.07	113.35%	44,701	95,370	50,669			
2"	42	183.60	391.71	208.11	113.35%	91,637	195,507	103,870			
3"	15	344.25	734.45	390.20	113.35%	62,861	134,112	71,251			
4"	6	573.75	1,224.08	650.33	113.35%	41,907	89,408	47,501			
6"	1	1,147.50	2,448.17	1,300.67	113.35%	13,969	29,803	15,834			
8"	0	1,836.00	3,917.07	2,081.07	113.35%	0	0	0			
10"	0	2,639.25	5,630.79	2,991.54	113.35%	0	0	0			
12"	0	3,786.75	8,078.95	4,292.20	113.35%	0	0	0			
14"	0	5,163.75	11,016.76	5,853.01	113.35%	0	0	0			
16"	0	5,278.50	11,261.57	5,983.07	113.35%	0	0	0			
18"	0	5,622.75	11,996.02	6,373.27	113.35%	0	0	0			
Total	106					\$260,523	\$555,822	\$295,299			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	151,196	151,196	\$6.7727	\$7.3734	\$0.6007	8.87%	\$1,024,008	\$1,114,832	\$90,824	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			151,196	151,196					\$1,024,008	\$1,114,832	\$90,824	
									Grand Total	\$1,284,531	\$1,670,653	\$386,123

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Industrial **IND** **Close Tariff Excel Grouping**

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
5/8 x 3/4"	0	\$22.95	\$48.96	\$26.01	113.33%	\$0	\$0	\$0
3/4"	0	34.43	73.45	39.02	113.33%	0	0	0
1"	0	57.38	122.41	65.03	113.33%	0	0	0
1-1/2"	0	114.75	244.82	130.07	113.35%	0	0	0
2"	0	183.60	391.71	208.11	113.35%	0	0	0
3"	0	344.25	734.45	390.20	113.35%	0	0	0
4"	0	573.75	1,224.08	650.33	113.35%	0	0	0
6"	0	1,147.50	2,448.17	1,300.67	113.35%	0	0	0
8"	0	1,836.00	3,917.07	2,081.07	113.35%	0	0	0
10"	0	2,639.25	5,630.79	2,991.54	113.35%	0	0	0
12"	0	3,786.75	8,078.95	4,292.20	113.35%	0	0	0
14"	0	5,163.75	11,016.76	5,853.01	113.35%	0	0	0
16"	0	5,278.50	11,261.57	5,983.07	113.35%	0	0	0
18"	0	5,622.75	11,996.02	6,373.27	113.35%	0	0	0
Total	0					\$0	\$0	\$0

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)		
Tier 1	All Usage	All Usage	0	0	\$6.7727	\$7.3734	\$0.6007	8.87%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

Public Authority **PA** **Open Tariff Excel Grouping**

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
5/8 x 3/4"	32	\$22.95	\$48.96	\$26.01	113.33%	\$8,740	\$18,645	\$9,905
3/4"	0	34.43	73.45	39.02	113.33%	0	0	0
1"	62	57.38	122.41	65.03	113.33%	43,019	91,774	48,755
1-1/2"	46	114.75	244.82	130.07	113.35%	62,816	134,019	71,203
2"	59	183.60	391.71	208.11	113.35%	128,910	275,028	146,119
3"	16	344.25	734.45	390.20	113.35%	65,547	139,844	74,296
4"	6	573.75	1,224.08	650.33	113.35%	40,967	87,402	46,435
6"	2	1,147.50	2,448.17	1,300.67	113.35%	27,311	58,268	30,957
8"	0	1,836.00	3,917.07	2,081.07	113.35%	0	0	0
10"	0	2,639.25	5,630.79	2,991.54	113.35%	0	0	0
12"	0	3,786.75	8,078.95	4,292.20	113.35%	0	0	0
14"	0	5,163.75	11,016.76	5,853.01	113.35%	0	0	0
16"	0	5,278.50	11,261.57	5,983.07	113.35%	0	0	0
18"	0	5,622.75	11,996.02	6,373.27	113.35%	0	0	0
Total	222					\$377,310	\$804,980	\$427,669

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)		
Tier 1	All Usage	All Usage	305,817	305,817	\$6.7727	\$7.3734	\$0.6007	8.87%	\$2,071,204	\$2,254,908	\$183,704
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			305,817	305,817					\$2,071,204	\$2,254,908	\$183,704
Grand Total									\$2,448,514	\$3,059,887	\$611,373

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2026

Total Revenue Requirement	\$36,661,345	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,866	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$36,643,479	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$28,740,064	Projected Year:	2026	0
Revenue Incr (Decr) [% & \$]	27.50%		\$7,903,415	
Revenues - Proposed Rates (Per Summary)	\$36,643,691		\$36,643,691	\$0
Validation - Rates Produce Rev Req	\$212			TRUE

Other OTH Open Tariff Excel Grouping

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"	0	\$22.95	\$48.96	\$26.01	113.33%	\$0	\$0	\$0			
3/4"	0	34.43	73.45	39.02	113.33%	0	0	0			
1"	0	57.38	122.41	65.03	113.33%	0	0	0			
1-1/2"	0	114.75	244.82	130.07	113.35%	0	0	0			
2"	14	183.60	391.71	208.11	113.35%	30,845	65,807	34,962			
3"	0	344.25	734.45	390.20	113.35%	0	0	0			
4"	0	573.75	1,224.08	650.33	113.35%	0	0	0			
6"	0	1,147.50	2,448.17	1,300.67	113.35%	0	0	0			
8"	0	1,836.00	3,917.07	2,081.07	113.35%	0	0	0			
10"	0	2,639.25	5,630.79	2,991.54	113.35%	0	0	0			
12"	0	3,786.75	8,078.95	4,292.20	113.35%	0	0	0			
14"	0	5,163.75	11,016.76	5,853.01	113.35%	0	0	0			
16"	0	5,278.50	11,261.57	5,983.07	113.35%	0	0	0			
18"	0	5,622.75	11,996.02	6,373.27	113.35%	0	0	0			
Total	14					\$30,845	\$65,807	\$34,962			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	11,346	11,346	\$6.7727	\$7.3734	\$0.6007	8.87%	\$76,845	\$83,661	\$6,816
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			11,346	11,346					\$76,845	\$83,661	\$6,816
Grand Total									\$107,690	\$149,468	\$41,778

Reserved Reserved Close Tariff Excel Grouping

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"		\$22.95	\$48.96	\$26.01	113.33%	\$0	\$0	\$0			
3/4"		34.43	73.45	39.02	113.33%	0	0	0			
1"		57.38	122.41	65.03	113.33%	0	0	0			
1-1/2"		114.75	244.82	130.07	113.35%	0	0	0			
2"		183.60	391.71	208.11	113.35%	0	0	0			
3"		344.25	734.45	390.20	113.35%	0	0	0			
4"		573.75	1,224.08	650.33	113.35%	0	0	0			
6"		1,147.50	2,448.17	1,300.67	113.35%	0	0	0			
8"		1,836.00	3,917.07	2,081.07	113.35%	0	0	0			
10"		2,639.25	5,630.79	2,991.54	113.35%	0	0	0			
12"		3,786.75	8,078.95	4,292.20	113.35%	0	0	0			
14"		5,163.75	11,016.76	5,853.01	113.35%	0	0	0			
16"		5,278.50	11,261.57	5,983.07	113.35%	0	0	0			
18"		5,622.75	11,996.02	6,373.27	113.35%	0	0	0			
Total	0					\$0	\$0	\$0			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	0	0	\$6.7727	\$7.3734	\$0.6007	8.87%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2027

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24%			
	\$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Filing Type: Application

Summary of Revenues at Present and Proposed Rates

Rate Tariff Classification	Water Sales (CCF)	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	% Change in Revenues	Check	Check	Check
Service Charge Revenues (Non-WRAM)								
Residential		\$8,872,191	\$9,450,473	\$578,282	6.52%	9,450,473	18,386,854	RESM
Non-Residential		3,066,828	3,268,513	201,685	6.58%	3,268,513	7,615,579	NRES+RCYC
Recycled		0	0	0	0.00%	27,837,326	71.89%	RESM Prop %
Reserved		0	0	0	0.00%	10,884,092	28.11%	NRES+RCYC Prop
Reserved		0	0	0	0.00%			TRUE
Subtotal		11,939,019	12,718,986	779,967	6.53%			32.85%
								32.85%
								TRUE
Quantity Rate Revenues (WRAM)								
Residential	2,349,868	17,326,585	18,386,854	1,060,268	6.12%			
Non-Residential	973,287	7,176,432	7,615,579	439,147	6.12%			
Recycled	0	0	0	0	0.00%			
Irrigation (1)	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			67.15%
Subtotal	3,323,154	24,503,017	26,002,432	1,499,415	6.12%			67.15%
								TRUE
Flat Rate Revenues	0	0	0	0	0.00%			
Private Fire Revenues	0	350,539	365,202	14,663	4.18%			
Public Fire Revenues	0	0	0	0	0.00%			
Total Water Sales and Revenues	3,323,154	36,792,576	39,086,620	2,294,044	6.24%			
Other Revenues	0	17,235	17,235	0	0.00%			
Total Operating Sales and Revenues	3,323,154	\$36,809,811	\$39,103,855	\$2,294,044	6.23%			

(1) Note: Irrigation quantity revenues not subject to WRAM

Residential Metered Service		RESM							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)
5/8 x 3/4"	12,332	\$36.71	\$39.10	\$2.39	6.51%	\$5,432,401	\$5,786,077	\$353,676	1.0	12,331.8	39.10
Fire Sprinkler w/ 3/4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
3/4"	0	55.06	\$58.66	3.60	6.54%	0	0	0	1.5	0.0	58.66
Fire Sprinkler w/ 1"	3,445	37.81	\$40.28	2.47	6.53%	1,563,110	1,665,223	102,113	1.03	3,548.5	40.28
1"	1,665	91.77	\$97.76	5.99	6.53%	1,833,486	1,953,161	119,675	2.5	4,162.3	97.76
1-1/2"	5	183.54	\$195.52	11.98	6.53%	11,132	11,859	727	5.0	25.3	195.52
Fire Sprinkler w/ 2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
2"	9	293.67	\$312.83	19.16	6.52%	32,062	34,153	2,092	8.0	72.8	312.83
3"	0	550.62	\$586.56	35.94	6.53%	0	0	0	15.0	0.0	586.56
4"	0	917.70	\$977.61	59.91	6.53%	0	0	0	25.0	0.0	977.61
6"	0	1,835.41	\$1,955.21	119.80	6.53%	0	0	0	50.0	0.0	1,955.21
8"	0	2,936.65	\$3,128.34	191.69	6.53%	0	0	0	80.0	0.0	3,128.34
10"	0	4,221.43	\$4,496.99	275.56	6.53%	0	0	0	115.0	0.0	4,496.99
12"	0	6,056.84	\$6,452.20	395.36	6.53%	0	0	0	165.0	0.0	6,452.20
14"	0	8,259.33	\$8,798.46	539.13	6.53%	0	0	0	225.0	0.0	8,798.46
16"	0	8,442.87	\$8,993.98	551.11	6.53%	0	0	0	230.0	0.0	8,993.98
18"	0	8,993.49	\$9,580.54	587.05	6.53%	0	0	0	245.0	0.0	9,580.54
Total	17,456					\$8,872,191	\$9,450,473	\$578,282		20,141	\$9,451,008

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	First 6	First 6	1,027,620	1,027,620	\$1.8276	\$1.9394	\$0.1118	6.12%	\$1,878,078	\$1,992,966	\$114,888	
Tier 2	Next 9	Next 9	791,845	791,845	7.3106	7.7580	0.4474	6.12%	5,788,863	6,143,135	354,272	
Tier 3	Next 17	Next 17	400,142	400,142	14.6211	15.5158	0.8947	6.12%	5,850,519	6,208,526	358,007	
Tier 4	Over 32	Over 32	130,261	130,261	29.2423	31.0318	1.7895	6.12%	3,809,125	4,042,227	233,102	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			2,349,868	2,349,868					\$17,326,585	\$18,386,854	\$1,060,268	
									Grand Total	\$26,198,776	\$27,837,326	\$1,638,550

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24%			
	\$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Non-Residential Metered Service		NRES						Open Tariff Excel Grouping					
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)		
5/8 x 3/4"	522	\$48.96	\$52.18	\$3.22	6.58%	\$306,668	\$326,837	\$20,169	1.00	522.0	\$52.18		
3/4"	0	73.45	\$78.27	4.82	6.56%	0	0	0	1.50	0.0	78.27		
1"	341	122.41	\$130.46	8.05	6.58%	500,335	533,238	32,903	2.50	851.5	130.46		
1-1/2"	197	244.82	\$260.92	16.10	6.58%	580,135	618,286	38,151	5.00	987.3	260.92		
2"	212	391.71	\$417.47	25.76	6.58%	995,463	1,060,928	65,465	8.00	1,694.2	417.47		
3"	39	734.45	\$782.75	48.30	6.58%	343,826	366,438	22,611	15.00	585.2	782.75		
4"	14	1,224.08	\$1,304.58	80.50	6.58%	206,031	219,580	13,549	25.00	350.7	1,304.58		
6"	3	2,448.17	\$2,609.16	160.99	6.58%	87,996	93,783	5,787	50.00	149.8	2,609.16		
8"	1	3,917.07	\$4,174.65	257.58	6.58%	46,374	49,424	3,049	80.00	78.9	4,174.65		
10"	0	5,630.79	\$6,001.07	370.28	6.58%	0	0	0	115.00	0.0	6,001.07		
12"	0	8,078.95	\$8,610.22	531.27	6.58%	0	0	0	165.00	0.0	8,610.22		
14"	0	11,016.76	\$11,741.22	724.46	6.58%	0	0	0	225.00	0.0	11,741.22		
16"	0	11,261.57	\$12,002.13	740.56	6.58%	0	0	0	230.00	0.0	12,002.13		
18"	0	11,996.02	\$12,784.88	788.86	6.58%	0	0	0	245.00	0.0	12,784.88		
Total	1,329					3,066,828	\$3,268,513	\$201,685		5,220	\$3,268,502		

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	973,287	973,287	\$7.3734	\$7.8246	\$0.4512	6.12%	\$7,176,432	\$7,615,579	\$439,147
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			973,287	973,287					\$7,176,432	\$7,615,579	\$439,147
Grand Total									\$10,243,260	\$10,884,092	\$640,832

RES Flat / Limited Flat Rate Service		RESF						Close Tariff Excel Grouping					
Premise Area	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)		
< 6K Sq Ft	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0	1.00	0.0	\$0.00		
> 6K to 10K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	1.50	0.0	0.00		
>10K to 16K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	2.50	0.0	0.00		
>16K to 25K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0	5.00	0.0	0.00		
Add Single RES	0	0.00	0.00	0.00	0.00%	0	0	0	8.00	0.0	0.00		
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	15.00	0.0	0.00		
Limited RES Flat	0	0.00	0.00	0.00	0.00%	0	0	0	25.00	0.0	0.00		
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	50.00	0.0	0.00		
Alex Kosloff	0	0.00	0.00	0.00	0.00%	0	0	0	80.00	0.0	0.00		
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0	115.00	0.0	0.00		
Total	0					\$0	\$0	\$0		0	\$0		

Recycled Metered Service		RCYC						Close Tariff Excel Grouping					
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)		
5/8 x 3/4"	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0	1.00	0.0	\$0.00		
3/4"	0	0.00	0.00	0.00	0.00%	0	0	0	1.50	0.0	0.00		
1"	0	0.00	0.00	0.00	0.00%	0	0	0	2.50	0.0	0.00		
1-1/2"	0	0.00	0.00	0.00	0.00%	0	0	0	5.00	0.0	0.00		
2"	0	0.00	0.00	0.00	0.00%	0	0	0	8.00	0.0	0.00		
3"	0	0.00	0.00	0.00	0.00%	0	0	0	15.00	0.0	0.00		
4"	0	0.00	0.00	0.00	0.00%	0	0	0	25.00	0.0	0.00		
6"	0	0.00	0.00	0.00	0.00%	0	0	0	50.00	0.0	0.00		
8"	0	0.00	0.00	0.00	0.00%	0	0	0	80.00	0.0	0.00		
10"	0	0.00	0.00	0.00	0.00%	0	0	0	115.00	0.0	0.00		
12"	0	0.00	0.00	0.00	0.00%	0	0	0	165.00	0.0	0.00		
14"	0	0.00	0.00	0.00	0.00%	0	0	0	225.00	0.0	0.00		
16"	0	0.00	0.00	0.00	0.00%	0	0	0	230.00	0.0	0.00		
18"	0	0.00	0.00	0.00	0.00%	0	0	0	245.00	0.0	0.00		
Total	0					\$0	\$0	\$0		0	\$0		

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24%			
	\$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Irrigation / Interruptible IRR and PA		IRR							Close Tariff Excel Grouping		
Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Irrigation IRR											
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Interruptible IRR IIRR											
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Interruptible PA IRR IPAIIR											
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0

Fire Protection Service		PRF							Open Tariff Excel Grouping		
Size of Connection	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code	Proposed Rate Change	
1"	2	\$10.59	\$11.03	\$0.44	4.15%	\$261	\$272	\$11	PRF1	4.18%	
1-1/2"	0	15.88	\$16.54	0.66	4.16%	0	0	0	PRF1	4.18%	
2"	22	21.17	\$22.06	0.89	4.20%	5,712	5,952	240	PRF1	4.18%	
3"	0	31.76	\$33.09	1.33	4.19%	0	0	0	PRF1	4.18%	
4"	81	42.35	\$44.12	1.77	4.18%	41,058	42,774	1,716	PRF1	4.18%	
6"	141	63.52	\$66.18	2.66	4.19%	107,293	111,786	4,493	PRF1	4.18%	
8"	171	84.70	\$88.24	3.54	4.18%	173,413	180,661	7,248	PRF1	4.18%	
10"	2	105.86	\$110.29	4.43	4.18%	2,607	2,716	109	PRF1	4.18%	
12"	13	127.05	\$132.37	5.32	4.19%	20,196	21,042	846	PRF1	4.18%	
14"	0	148.22	\$154.42	6.20	4.18%	0	0	0	PRF1	4.18%	
Total		432				\$350,539	\$365,202	\$14,663			

Service Connections	Total # of Inch of Diameter	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code
Rate Inch Diameter	2,761	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0	PRF2
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code
									PRF3
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code
									PRF4 PRF5 PRF6
Total		0				\$0	\$0	\$0	
Grand Total						\$350,539	\$365,202	\$14,663	

Public Fire Protection Service		PUF							Close Tariff Excel Grouping	
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code	
									PUF1 PUF2 PUF3	
Total		0				\$0	\$0	\$0		

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24% \$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Rate Design Calculations

Rate Tariff Classifications	Present Rates (\$)	Current % Split	Proposed Rates (\$)	Proposed % Split	Revenue Incr (Decr) (\$)	% Change		Current Rates %	Proposed Rates %		
Service Charge Revenues											
Residential	26,198,776	\$8,872,191	24.34603%	\$9,451,008	24.407%	\$578,817	6.5239%	12,719,509	Service Charge 32.761668%	32.848274%	
Non-Residential	10,243,260	3,066,828	8.41563%	3,268,502	8.441%	201,674	6.5760%	26,002,493	Quantity 67.238332%	67.151726%	
Recycled	36,442,036	0	0.00000%	0	0.000%	0	0.0000%	38,722,002	Residential 71.891636%	71.891636%	
Reserved	TRUE	0	-	-	-	-	0.0000%	TRUE	Non-Residential 28.108364%	28.108364%	
Reserved	0	-	-	-	-	-	0.0000%		Water Sales Current Qty (CCF) Proposed Qty (CCF)		
Quantity Rate Revenues											
Residential	17,326,585	47.54560%	18,386,873	47.48430%	1,060,288	6.1194%		Residential	2,349,868	2,349,868	
Non-Residential	7,176,432	19.69273%	7,615,619	19.66742%	439,187	6.1199%		Non-Residential	973,287	973,287	
Recycled	0	0.00000%	0	0.00000%	0	0.00%		Recycled	0	0	
Irrigation	71.89164%	0	-	-	-	0.00%	32.84827%	Total	3,323,154	3,323,154	
Reserved	28.10836%	0	-	-	-	0.00%	67.15173%	Residential	TRUE	TRUE	
Reserved	0	-	-	-	-	0.00%		Non-Residential	TRUE	TRUE	
Flat Rate	0	-	0	-	0	0.00%		Validation	\$	%	
Private Fire	350,539	-	365,202	-	14,663	4.18%		Service Charge	32.848274%	32.848274%	
Public Fire	0	-	-	-	-	0.00%		Quantity	67.151726%	67.151726%	
Total Water Revenues	36,792,576	\$36,792,576	100.000%	\$39,087,204	100.00%	\$2,294,628	6.24%	39,087,204	CHECK	0.00000	TRUE
Total Water Revenues	36,442,036	\$36,792,576	36,442,036		38,722,002		39,087,204	38,722,002	CHECK	0.00000	TRUE
Validation from Summary	TRUE		TRUE		38,722,002		365,202		Residential	TRUE	TRUE
Total Revenue Requirement Less Other	NRES/RCYC Ratio	100.00%	\$39,087,204		\$2,294,628		38,722,002		Non-Residential	TRUE	TRUE

Tier Blocks Change? If yes, change N to Y and make changes.

Classification	Response
Residential	N Not set-up for Change
Non-Residential	N Not set-up for Change
Recycled	N Not set-up for Change
Reserved	N Not set-up for Change
Irrigation	N Not set-up for Change
Interruptible IRR	N Not set-up for Change
Interruptible PA	N Not set-up for Change

New Tier Blocks, Percentages and Proposed Rates to Recover Revenues

Tier Blocks	New Tiers - RES	RES Proposed Rates (\$)	Residential Quantity (CCF)	Reserved	RES Proposed Qty Rev (\$)
Tier 1 Usage	First xx	\$0.0000	0		\$1,992,966
Tier 2 Usage	Next xx	0.0000	0		6,143,135
Tier 3 Usage	All Over xx	0.0000	0		6,208,526
Tier 4 Usage	Reserved	0.0000	0		4,042,227
Tier 5 Usage	Reserved	0.0000	0		0
Total			0		\$18,386,854
Validations			0		\$18,386,873
			TRUE		FALSE

Tier Blocks	New Tiers - Non-RES	Non-RES Proposed Rates (\$)	Non-RES Quantity	Reserved	Non-RES Proposed Qty Rev (\$)	Non-RES Quantity - BUS	Non-RES Quantity - MF	Non-RES Quantity - IND	Non-RES Quantity - PA	Non-RES Quantity - OTH	Non-RES Quantity - Reserved
Tier 1 Usage	First xx	\$0.0000	0		\$7,615,579	0	0	0	0	0	0
Tier 2 Usage	Next xx	0.0000	0		0	0	0	0	0	0	0
Tier 3 Usage	All Over xx	0.0000	0		0	0	0	0	0	0	0
Tier 4 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Tier 5 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Total			0		\$7,615,579	0	0	0	0	0	0
Validation			0		\$7,615,619						
			TRUE		FALSE						

Tier Blocks	New Tiers - RCYC	RCYC Proposed Rates (\$)	RCYC Quantity	RCYC % of SQR	RCYC Proposed Qty Rev (\$)
Tier 1 Usage	First xx	\$0.0000	0	0.00%	\$0
Tier 2 Usage	Next xx	0.0000	0	0.00%	0
Tier 3 Usage	All Over xx	0.0000	0	0.00%	0
Tier 4 Usage	Reserved	0.0000	0	0.00%	0
Tier 5 Usage	Reserved	0.0000	0	0.00%	0
Total			0		\$0
Validation			0		\$0
			TRUE		TRUE

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24% \$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Below this Row are the Revenue Classes that Comprise the Non-Residential Customer Classes (Excludes RES, IRR, RCYC and Fire Service)

Business		BUS								Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"	488	\$48.96	\$52.18	\$3.22	6.58%	\$286,920	\$305,790	\$18,870				
3/4"	0	73.45	78.27	4.82	6.56%	0	0	0				
1"	271	122.41	130.46	8.05	6.58%	398,533	424,741	26,209				
1-1/2"	119	244.82	260.92	16.10	6.58%	350,709	373,772	23,064				
2"	99	391.71	417.47	25.76	6.58%	463,745	494,242	30,497				
3"	8	734.45	782.75	48.30	6.58%	69,561	74,136	4,575				
4"	2	1,224.08	1,304.58	80.50	6.58%	28,984	30,890	1,906				
6"	0	2,448.17	2,609.16	160.99	6.58%	0	0	0				
8"	1	3,917.07	4,174.65	257.58	6.58%	46,374	49,424	3,049				
10"	0	5,630.79	6,001.07	370.28	6.58%	0	0	0				
12"	0	8,078.95	8,610.22	531.27	6.58%	0	0	0				
14"	0	11,016.76	11,741.22	724.46	6.58%	0	0	0				
16"	0	11,261.57	12,002.13	740.56	6.58%	0	0	0				
18"	0	11,996.02	12,784.88	788.86	6.58%	0	0	0				
Total	989					\$1,644,825	\$1,752,994	\$108,170				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	502,297	502,297	\$7.3734	\$7.8246	\$0.4512	6.12%	\$3,703,639	\$3,930,275	\$226,637	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			502,297	502,297					\$3,703,639	\$3,930,275	\$226,637	
									Grand Total	\$5,348,464	\$5,683,270	\$334,806

Multi Family Dwelling

MF

Open Tariff Excel Grouping

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
5/8 x 3/4"	2	\$48.96	\$52.18	\$3.22	6.58%	\$1,201	\$1,280	\$79
3/4"	0	73.45	78.27	4.82	6.56%	0	0	0
1"	7	122.41	130.46	8.05	6.58%	10,513	11,204	691
1-1/2"	33	244.82	260.92	16.10	6.58%	96,114	102,435	6,321
2"	42	391.71	417.47	25.76	6.58%	197,033	209,991	12,957
3"	15	734.45	782.75	48.30	6.58%	135,159	144,048	8,889
4"	6	1,224.08	1,304.58	80.50	6.58%	90,106	96,031	5,926
6"	1	2,448.17	2,609.16	160.99	6.58%	30,035	32,010	1,975
8"	0	3,917.07	4,174.65	257.58	6.58%	0	0	0
10"	0	5,630.79	6,001.07	370.28	6.58%	0	0	0
12"	0	8,078.95	8,610.22	531.27	6.58%	0	0	0
14"	0	11,016.76	11,741.22	724.46	6.58%	0	0	0
16"	0	11,261.57	12,002.13	740.56	6.58%	0	0	0
18"	0	11,996.02	12,784.88	788.86	6.58%	0	0	0
Total	106					\$560,162	\$597,000	\$36,838

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	149,135	149,135	\$7.3734	\$7.8246	\$0.4512	6.12%	\$1,099,635	\$1,166,925	\$67,290	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			149,135	149,135					\$1,099,635	\$1,166,925	\$67,290	
									Grand Total	\$1,659,797	\$1,763,925	\$104,128

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2027

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24%		\$2,294,628	
Revenues - Proposed Rates (Per Summary)	\$39,086,620		\$39,086,620	\$0 TRUE
Validation - Rates Produce Rev Req			(\$584)	

Industrial		IND		Close Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"	0	\$48.96	\$52.18	\$3.22	6.58%	\$0	\$0	\$0				
3/4"	0	73.45	78.27	4.82	6.56%	0	0	0				
1"	0	122.41	130.46	8.05	6.58%	0	0	0				
1-1/2"	0	244.82	260.92	16.10	6.58%	0	0	0				
2"	0	391.71	417.47	25.76	6.58%	0	0	0				
3"	0	734.45	782.75	48.30	6.58%	0	0	0				
4"	0	1,224.08	1,304.58	80.50	6.58%	0	0	0				
6"	0	2,448.17	2,609.16	160.99	6.58%	0	0	0				
8"	0	3,917.07	4,174.65	257.58	6.58%	0	0	0				
10"	0	5,630.79	6,001.07	370.28	6.58%	0	0	0				
12"	0	8,078.95	8,610.22	531.27	6.58%	0	0	0				
14"	0	11,016.76	11,741.22	724.46	6.58%	0	0	0				
16"	0	11,261.57	12,002.13	740.56	6.58%	0	0	0				
18"	0	11,996.02	12,784.88	788.86	6.58%	0	0	0				
Total	0					\$0	\$0	\$0				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	0	0	\$7.3734	\$7.8246	\$0.4512	6.12%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

Public Authority		PA		Open Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"	32	\$48.96	\$52.18	\$3.22	6.58%	\$18,546	\$19,766	\$1,220				
3/4"	0	73.45	78.27	4.82	6.56%	0	0	0				
1"	62	122.41	130.46	8.05	6.58%	91,290	97,293	6,003				
1-1/2"	45	244.82	260.92	16.10	6.58%	133,312	142,079	8,767				
2"	58	391.71	417.47	25.76	6.58%	273,578	291,569	17,991				
3"	16	734.45	782.75	48.30	6.58%	139,106	148,254	9,148				
4"	6	1,224.08	1,304.58	80.50	6.58%	86,941	92,659	5,718				
6"	2	2,448.17	2,609.16	160.99	6.58%	57,961	61,773	3,811				
8"	0	3,917.07	4,174.65	257.58	6.58%	0	0	0				
10"	0	5,630.79	6,001.07	370.28	6.58%	0	0	0				
12"	0	8,078.95	8,610.22	531.27	6.58%	0	0	0				
14"	0	11,016.76	11,741.22	724.46	6.58%	0	0	0				
16"	0	11,261.57	12,002.13	740.56	6.58%	0	0	0				
18"	0	11,996.02	12,784.88	788.86	6.58%	0	0	0				
Total	221					\$800,735	\$853,393	\$52,659				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	310,508	310,508	\$7.3734	\$7.8246	\$0.4512	6.12%	\$2,289,497	\$2,429,598	\$140,101
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			310,508	310,508					\$2,289,497	\$2,429,598	\$140,101
Grand Total									\$3,090,231	\$3,282,991	\$192,760

Total Revenue Requirement	\$39,104,439	District / Consolidated Group Code:	110	LIV
Other Revenues	\$17,235	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$39,087,204	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$36,792,576	Projected Year:	2027	
Revenue Incr (Decr) [% & \$]	6.24%			
	\$2,294,628			
Revenues - Proposed Rates (Per Summary)	\$39,086,620	\$39,086,620	\$0	TRUE
Validation - Rates Produce Rev Req	(\$584)			

Other		OTH		Open Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"	0	\$48.96	\$52.18	\$3.22	6.58%	\$0	\$0	\$0				
3/4"	0	73.45	78.27	4.82	6.56%	0	0	0				
1"	0	122.41	130.46	8.05	6.58%	0	0	0				
1-1/2"	0	244.82	260.92	16.10	6.58%	0	0	0				
2"	13	391.71	417.47	25.76	6.58%	61,107	65,125	4,019				
3"	0	734.45	782.75	48.30	6.58%	0	0	0				
4"	0	1,224.08	1,304.58	80.50	6.58%	0	0	0				
6"	0	2,448.17	2,609.16	160.99	6.58%	0	0	0				
8"	0	3,917.07	4,174.65	257.58	6.58%	0	0	0				
10"	0	5,630.79	6,001.07	370.28	6.58%	0	0	0				
12"	0	8,078.95	8,610.22	531.27	6.58%	0	0	0				
14"	0	11,016.76	11,741.22	724.46	6.58%	0	0	0				
16"	0	11,261.57	12,002.13	740.56	6.58%	0	0	0				
18"	0	11,996.02	12,784.88	788.86	6.58%	0	0	0				
Total	13					\$61,107	\$65,125	\$4,019				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	11,346	11,346	\$7.3734	\$7.8246	\$0.4512	6.12%	\$83,661	\$88,781	\$5,119
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			11,346	11,346					\$83,661	\$88,781	\$5,119
Grand Total									\$144,768	\$153,906	\$9,138

Reserved		Reserved		Close Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"		\$48.96	\$52.18	\$3.22	6.58%	\$0	\$0	\$0				
3/4"		73.45	78.27	4.82	6.56%	0	0	0				
1"		122.41	130.46	8.05	6.58%	0	0	0				
1-1/2"		244.82	260.92	16.10	6.58%	0	0	0				
2"		391.71	417.47	25.76	6.58%	0	0	0				
3"		734.45	782.75	48.30	6.58%	0	0	0				
4"		1,224.08	1,304.58	80.50	6.58%	0	0	0				
6"		2,448.17	2,609.16	160.99	6.58%	0	0	0				
8"		3,917.07	4,174.65	257.58	6.58%	0	0	0				
10"		5,630.79	6,001.07	370.28	6.58%	0	0	0				
12"		8,078.95	8,610.22	531.27	6.58%	0	0	0				
14"		11,016.76	11,741.22	724.46	6.58%	0	0	0				
16"		11,261.57	12,002.13	740.56	6.58%	0	0	0				
18"		11,996.02	12,784.88	788.86	6.58%	0	0	0				
Total	0					\$0	\$0	\$0				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	0	0	\$7.3734	\$7.8246	\$0.4512	6.12%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2028

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62% \$2,597,095			
Revenues - Proposed Rates (Per Summary)	\$41,840,410	\$41,840,410	\$0	TRUE
Validation - Rates Produce Rev Req	(\$445)			

Filing Type: Application

Summary of Revenues at Present and Proposed Rates

Rate Tariff Classification	Water Sales (CCF)	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	% Change in Revenues	Check	Check	Check
Service Charge Revenues (Non-WRAM)								
Residential		\$9,475,354	\$10,129,586	\$654,233	6.90%	10,129,586	19,668,170	RESM
Non-Residential		3,261,016	3,488,123	227,106	6.96%	3,488,123	8,171,256	NRES+RCYC
Recycled		0	0	0	0.00%	29,797,756	71.88%	RESM Prop %
Reserved		0	0	0	0.00%	11,659,379	28.12%	NRES+RCYC Prop
Reserved		0	0	0	0.00%			32.85%
Subtotal		12,736,370	13,617,709	881,339	6.92%			32.85%
								TRUE
Quantity Rate Revenues (WRAM)								
Residential	2,360,151	18,467,312	19,668,170	1,200,857	6.50%			
Non-Residential	980,543	7,672,356	8,171,256	498,900	6.50%			
Recycled	0	0	0	0	0.00%			
Irrigation (1)	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			
Reserved	0	0	0	0	0.00%			67.15%
Subtotal	3,340,693	26,139,668	27,839,426	1,699,758	6.50%			67.15%
								TRUE
Flat Rate Revenues	0	0	0	0	0.00%			
Private Fire Revenues	0	367,722	383,276	15,553	4.23%			
Public Fire Revenues	0	0	0	0	0.00%			
Total Water Sales and Revenues	3,340,693	39,243,760	41,840,410	2,596,650	6.62%			
Other Revenues	0	16,968	16,968	0	0.00%			
Total Operating Sales and Revenues	3,340,693	\$39,260,728	\$41,857,378	\$2,596,650	6.61%			

(1) Note: Irrigation quantity revenues not subject to WRAM

Residential Metered Service		RESM							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)
5/8 x 3/4"	12,364	\$39.10	\$41.80	\$2.70	6.91%	\$5,801,310	\$6,201,912	\$400,602	1.0	12,364.3	41.80
Fire Sprinkler w/ 3/4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
3/4"	0	58.66	\$62.71	4.05	6.90%	0	0	0	1.5	0.0	62.71
Fire Sprinkler w/ 1"	3,454	40.28	\$43.06	2.78	6.90%	1,669,607	1,784,838	115,231	1.03	3,557.8	43.06
1"	1,669	97.76	\$104.51	6.75	6.90%	1,958,303	2,093,517	135,214	2.5	4,173.3	104.51
1-1/2"	5	195.52	\$209.02	13.50	6.90%	11,890	12,711	821	5.0	25.3	209.02
Fire Sprinkler w/ 2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	0.0	0.0	0.00
2"	9	312.83	\$334.43	21.60	6.90%	34,243	36,608	2,364	8.0	73.0	334.43
3"	0	586.56	\$627.05	40.49	6.90%	0	0	0	15.0	0.0	627.05
4"	0	977.61	\$1,045.09	67.48	6.90%	0	0	0	25.0	0.0	1,045.09
6"	0	1,955.21	\$2,090.18	134.97	6.90%	0	0	0	50.0	0.0	2,090.18
8"	0	3,128.34	\$3,344.29	215.95	6.90%	0	0	0	80.0	0.0	3,344.29
10"	0	4,496.99	\$4,807.41	310.42	6.90%	0	0	0	115.0	0.0	4,807.41
12"	0	6,452.20	\$6,897.59	445.39	6.90%	0	0	0	165.0	0.0	6,897.59
14"	0	8,798.46	\$9,405.81	607.35	6.90%	0	0	0	225.0	0.0	9,405.81
16"	0	8,993.98	\$9,614.82	620.84	6.90%	0	0	0	230.0	0.0	9,614.82
18"	0	9,580.54	\$10,241.88	661.34	6.90%	0	0	0	245.0	0.0	10,241.88
Total	17,502					\$9,475,354	\$10,129,586	\$654,233		20,194	\$10,130,002

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	First 6	First 6	1,032,116	1,032,116	\$1.9394	\$2.0655	\$0.1261	6.50%	\$2,001,687	\$2,131,836	\$130,150	
Tier 2	Next 9	Next 9	795,310	795,310	7.7580	8.2625	0.5045	6.50%	6,170,017	6,571,251	401,234	
Tier 3	Next 17	Next 17	401,893	401,893	15.5158	16.5247	1.0089	6.50%	6,235,694	6,641,164	405,470	
Tier 4	Over 32	Over 32	130,831	130,831	31.0318	33.0497	2.0179	6.50%	4,059,915	4,323,919	264,003	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			2,360,151	2,360,151					\$18,467,312	\$19,668,170	\$1,200,857	
									Grand Total	\$27,942,666	\$29,797,756	\$1,855,090

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62%		\$2,597,095	
Revenues - Proposed Rates (Per Summary)	\$41,840,410		\$41,840,410	\$0
Validation - Rates Produce Rev Req				TRUE

Non-Residential Metered Service		NRES						Open Tariff Excel Grouping			
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)
5/8 x 3/4"	521	\$52.18	\$55.82	\$3.64	6.98%	\$326,290	\$349,052	\$22,762	1.00	521.1	\$55.82
3/4"	0	78.27	\$83.73	5.46	6.98%	0	0	0	1.50	0.0	83.73
1"	340	130.46	\$139.54	9.08	6.96%	532,182	569,222	37,040	2.50	849.8	139.54
1-1/2"	197	260.92	\$279.09	18.17	6.96%	617,775	660,796	43,021	5.00	986.5	279.09
2"	211	417.47	\$446.54	29.07	6.96%	1,055,269	1,128,752	73,482	8.00	1,685.2	446.54
3"	39	782.75	\$837.26	54.51	6.96%	366,658	392,192	25,534	15.00	585.5	837.26
4"	14	1,304.58	\$1,395.43	90.85	6.96%	219,787	235,093	15,306	25.00	351.0	1,395.43
6"	3	2,609.16	\$2,790.86	181.70	6.96%	93,704	100,229	6,525	50.00	149.6	2,790.86
8"	1	4,174.65	\$4,465.37	290.72	6.96%	49,351	52,787	3,437	80.00	78.8	4,465.37
10"	0	6,001.07	\$6,418.97	417.90	6.96%	0	0	0	115.00	0.0	6,418.97
12"	0	8,610.22	\$9,209.83	599.61	6.96%	0	0	0	165.00	0.0	9,209.83
14"	0	11,741.22	\$12,558.86	817.64	6.96%	0	0	0	225.00	0.0	12,558.86
16"	0	12,002.13	\$12,837.95	835.82	6.96%	0	0	0	230.00	0.0	12,837.95
18"	0	12,784.88	\$13,675.20	890.32	6.96%	0	0	0	245.00	0.0	13,675.20
Total	1,326					\$3,261,016	\$3,488,123	\$227,106		5,208	\$3,488,098

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	980,543	980,543	\$7.8246	\$8.3334	\$0.5088	6.50%	\$7,672,356	\$8,171,256	\$498,900
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			980,543	980,543					\$7,672,356	\$8,171,256	\$498,900
Grand Total									\$10,933,372	\$11,659,379	\$726,006

RES Flat / Limited Flat Rate Service		RESF						Close Tariff Excel Grouping			
Premise Area	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
< 6K Sq Ft	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0			
> 6K to 10K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0			
>10K to 16K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0			
>16K to 25K Sq Ft	0	0.00	0.00	0.00	0.00%	0	0	0			
Add Single RES	0	0.00	0.00	0.00	0.00%	0	0	0			
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0			
Limited RES Flat	0	0.00	0.00	0.00	0.00%	0	0	0			
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0			
Alex Kosloff	0	0.00	0.00	0.00	0.00%	0	0	0			
Reserved	0	0.00	0.00	0.00	0.00%	0	0	0			
Total	0					\$0	\$0	\$0			

Recycled Metered Service		RCYC						Close Tariff Excel Grouping			
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Meter Size Equivalents (LWB Factors)	Meter Size Equivalents	LWB Service Charge Rate (\$)
5/8 x 3/4"	0	\$0.00	\$0.00	\$0.00	0.00%	\$0	\$0	\$0	1.00	0.0	\$0.00
3/4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	1.50	0.0	0.00
1"	0	0.00	\$0.00	0.00	0.00%	0	0	0	2.50	0.0	0.00
1-1/2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	5.00	0.0	0.00
2"	0	0.00	\$0.00	0.00	0.00%	0	0	0	8.00	0.0	0.00
3"	0	0.00	\$0.00	0.00	0.00%	0	0	0	15.00	0.0	0.00
4"	0	0.00	\$0.00	0.00	0.00%	0	0	0	25.00	0.0	0.00
6"	0	0.00	\$0.00	0.00	0.00%	0	0	0	50.00	0.0	0.00
8"	0	0.00	\$0.00	0.00	0.00%	0	0	0	80.00	0.0	0.00
10"	0	0.00	\$0.00	0.00	0.00%	0	0	0	115.00	0.0	0.00
12"	0	0.00	\$0.00	0.00	0.00%	0	0	0	165.00	0.0	0.00
14"	0	0.00	\$0.00	0.00	0.00%	0	0	0	225.00	0.0	0.00
16"	0	0.00	\$0.00	0.00	0.00%	0	0	0	230.00	0.0	0.00
18"	0	0.00	\$0.00	0.00	0.00%	0	0	0	245.00	0.0	0.00
Total	0					\$0	\$0	\$0		0	\$0

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2028

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62% \$2,597,095			
Revenues - Proposed Rates (Per Summary)	\$41,840,410	\$41,840,410	\$0	TRUE
Validation - Rates Produce Rev Req	(\$445)			

Irrigation / Interruptible IRR and PA		IRR							Close Tariff Excel Grouping		
Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Irrigation IRR											
Tier 1	0	0	0	0	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Interruptible IRR IIRR											
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Interruptible PA IRR IPAIRR											
Tier 1	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 2	0	0	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0

Fire Protection Service		PRF							Open Tariff Excel Grouping		
Size of Connection	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code	Proposed Rate Change	
1"	2	\$11.03	\$11.50	\$0.47	4.26%	\$274	\$285	\$12	PRF1	4.23%	
1-1/2"	0	16.54	\$17.24	0.70	4.23%	0	0	0	PRF1	4.23%	
2"	23	22.06	\$22.99	0.93	4.22%	5,995	6,248	253	PRF1	4.23%	
3"	0	33.09	\$34.49	1.40	4.23%	0	0	0	PRF1	4.23%	
4"	81	44.12	\$45.99	1.87	4.24%	43,090	44,917	1,826	PRF1	4.23%	
6"	142	66.18	\$68.98	2.80	4.23%	112,530	117,291	4,761	PRF1	4.23%	
8"	172	88.24	\$91.97	3.73	4.23%	181,903	189,593	7,689	PRF1	4.23%	
10"	2	110.29	\$114.96	4.67	4.23%	2,737	2,853	116	PRF1	4.23%	
12"	13	132.37	\$137.97	5.60	4.23%	21,192	22,088	897	PRF1	4.23%	
14"	0	154.42	\$160.95	6.53	4.23%	0	0	0	PRF1	4.23%	
Total						\$367,722	\$383,276	\$15,553			

Service Connections	Total # of Inch of Diameter	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	Tariff Code
Rate Inch Diameter	2,780	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0	\$0	\$0	PRF2
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code
									PRF3
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code
									PRF4 PRF5 PRF6
Total		0				\$0	\$0	\$0	
Grand Total						\$367,722	\$383,276	\$15,553	

Public Fire Protection Service		PUF							Close Tariff Excel Grouping	
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Tariff Code	
									PUF1 PUF2 PUF3	
Total		0				\$0	\$0	\$0		

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62% \$2,597,095			
Revenues - Proposed Rates (Per Summary)	\$41,840,410	\$41,840,410	\$0	TRUE
Validation - Rates Produce Rev Req	(\$445)			

Rate Design Calculations

Rate Tariff Classifications	Present Rates (\$)	Current % Split	Proposed Rates (\$)	Proposed % Split	Revenue Incr (Decr) (\$)	% Change	Current Rates %	Proposed Rates %
Service Charge Revenues								
Residential	27,942,666	9,475,354	24.373%	\$10,130,002	24.435%	\$654,648	6.91%	13,618,100
Non-Residential	10,933,372	3,261,016	8.388%	3,488,098	8.414%	227,082	6.96%	27,839,481
Recycled	38,876,038	0	0.000%	0	0.000%	0	0.00%	41,457,580
Reserved	TRUE	0	-	-	-	-	0.00%	TRUE
Reserved	0	-	-	-	-	-	0.00%	TRUE
Quantity Rate Revenues								
Residential	18,467,312	47.503%	19,668,182	47.44170%	1,200,869	6.50%	32.84827%	67.15173%
Non-Residential	7,672,356	19.735%	8,171,299	19.71002%	498,943	6.50%		
Recycled	0	0.000%	0	0.00000%	0	0.00%		
Irrigation	71.87632%	0	-	-	-	-	0.00%	
Reserved	28.12368%	0	-	-	-	-	0.00%	
Reserved	0	-	-	-	-	-	0.00%	
Flat Rate	0	-	0	-	0	0.00%		
Private Fire	367,722	-	383,276	-	15,553	4.23%		
Public Fire	0	-	-	-	-	0.00%		
Total Water Revenues	39,243,760	\$39,243,760	100.000%	\$41,840,856	100.00%	\$2,597,095	6.62%	41,840,856
Total Water Revenues	38,876,038	\$39,243,760	38,876,038		41,457,580			41,457,580
Validation from Summary	TRUE		TRUE		TRUE			TRUE
Total Revenue Requirement Less Other	NRES/RCYC Ratio	100.00%	\$41,840,856		\$2,597,095			

Tier Blocks Change? If yes, change N to Y and make changes.

Classification	Response
Residential	N Not set-up for Change
Non-Residential	N Not set-up for Change
Recycled	N Not set-up for Change
Reserved	N Not set-up for Change
Irrigation	N Not set-up for Change
Interruptible IRR	N Not set-up for Change
Interruptible PA	N Not set-up for Change

New Tier Blocks, Percentages and Proposed Rates to Recover Revenues

Tier Blocks	New Tiers - RES	RES Proposed Rates (\$)	Residential Quantity (CCF)	Reserved	RES Proposed Qty Rev (\$)
Tier 1 Usage	First xx	\$0.0000	0		\$2,131,836
Tier 2 Usage	Next xx	0.0000	0		6,571,251
Tier 3 Usage	All Over xx	0.0000	0		6,641,164
Tier 4 Usage	Reserved	0.0000	0		4,323,919
Tier 5 Usage	Reserved	0.0000	0		0
Total			0		\$19,668,170
Validations			0		\$19,668,182
			TRUE		FALSE

Tier Blocks	New Tiers - Non-RES	Non-RES Proposed Rates (\$)	Non-RES Quantity	Reserved	Non-RES Proposed Qty Rev (\$)	Non-RES Quantity - BUS	Non-RES Quantity - MF	Non-RES Quantity - IND	Non-RES Quantity - PA	Non-RES Quantity - OTH	Non-RES Quantity - Reserved
Tier 1 Usage	First xx	\$0.0000	0		\$8,171,256	0	0	0	0	0	0
Tier 2 Usage	Next xx	0.0000	0		0	0	0	0	0	0	0
Tier 3 Usage	All Over xx	0.0000	0		0	0	0	0	0	0	0
Tier 4 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Tier 5 Usage	Reserved	0.0000	0		0	0	0	0	0	0	0
Total			0		\$8,171,256	0	0	0	0	0	0
Validation			0		\$8,171,299						
			TRUE		FALSE						

Tier Blocks	New Tiers - RCYC	RCYC Proposed Rates (\$)	RCYC Quantity	RCYC % of SQR	RCYC Proposed Qty Rev (\$)
Tier 1 Usage	First xx	\$0.0000	0	0.00%	\$0
Tier 2 Usage	Next xx	0.0000	0	0.00%	0
Tier 3 Usage	All Over xx	0.0000	0	0.00%	0
Tier 4 Usage	Reserved	0.0000	0	0.00%	0
Tier 5 Usage	Reserved	0.0000	0	0.00%	0
Total			0		\$0
Validation			0		\$0
			TRUE		TRUE

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62% \$2,597,095			
Revenues - Proposed Rates (Per Summary)	\$41,840,410	\$41,840,410	\$0	TRUE
Validation - Rates Produce Rev Req	(\$445)			

Below this Row are the Revenue Classes that Comprise the Non-Residential Customer Classes (Excludes RES, IRR, RCYC and Fire Service)

Business		BUS							Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"	488	\$52.18	\$55.82	\$3.64	6.98%	\$305,339	\$326,639	\$21,300			
3/4"	0	78.27	83.73	5.46	6.98%	0	0	0			
1"	271	130.46	139.54	9.08	6.96%	424,114	453,632	29,518			
1-1/2"	119	260.92	279.09	18.17	6.96%	373,220	399,211	25,990			
2"	99	417.47	446.54	29.07	6.96%	493,512	527,877	34,365			
3"	8	782.75	837.26	54.51	6.96%	74,026	79,181	5,155			
4"	2	1,304.58	1,395.43	90.85	6.96%	30,844	32,992	2,148			
6"	0	2,609.16	2,790.86	181.70	6.96%	0	0	0			
8"	1	4,174.65	4,465.37	290.72	6.96%	49,351	52,787	3,437			
10"	0	6,001.07	6,418.97	417.90	6.96%	0	0	0			
12"	0	8,610.22	9,209.83	599.61	6.96%	0	0	0			
14"	0	11,741.22	12,558.86	817.64	6.96%	0	0	0			
16"	0	12,002.13	12,837.95	835.82	6.96%	0	0	0			
18"	0	12,784.88	13,675.20	890.32	6.96%	0	0	0			
Total	987					\$1,750,406	\$1,872,320	\$121,914			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	506,992	506,992	\$7.8246	\$8.3334	\$0.5088	6.50%	\$3,967,013	\$4,224,971	\$257,958	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			506,992	506,992					\$3,967,013	\$4,224,971	\$257,958	
									Grand Total	\$5,717,419	\$6,097,291	\$379,871

Multi Family Dwelling

MF

Open Tariff Excel Grouping

Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)			
5/8 x 3/4"	2	\$52.18	\$55.82	\$3.64	6.98%	\$1,290	\$1,380	\$90			
3/4"	0	78.27	83.73	5.46	6.98%	0	0	0			
1"	7	130.46	139.54	9.08	6.96%	11,291	12,076	786			
1-1/2"	33	260.92	279.09	18.17	6.96%	103,229	110,417	7,189			
2"	42	417.47	446.54	29.07	6.96%	211,618	226,354	14,736			
3"	15	782.75	837.26	54.51	6.96%	145,164	155,273	10,109			
4"	6	1,304.58	1,395.43	90.85	6.96%	96,775	103,515	6,739			
6"	1	2,609.16	2,790.86	181.70	6.96%	32,258	34,505	2,246			
8"	0	4,174.65	4,465.37	290.72	6.96%	0	0	0			
10"	0	6,001.07	6,418.97	417.90	6.96%	0	0	0			
12"	0	8,610.22	9,209.83	599.61	6.96%	0	0	0			
14"	0	11,741.22	12,558.86	817.64	6.96%	0	0	0			
16"	0	12,002.13	12,837.95	835.82	6.96%	0	0	0			
18"	0	12,784.88	13,675.20	890.32	6.96%	0	0	0			
Total	107					\$601,625	\$643,520	\$41,895			

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)	
Tier 1	All Usage	All Usage	147,066	147,066	\$7.8246	\$8.3334	\$0.5088	6.50%	\$1,150,735	\$1,225,562	\$74,827	
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0	
Total			147,066	147,066					\$1,150,735	\$1,225,562	\$74,827	
									Grand Total	\$1,752,360	\$1,869,082	\$116,722

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2028

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & %]	6.62%			
	\$2,597,095			
Revenues - Proposed Rates (Per Summary)	\$41,840,410	\$41,840,410	\$0	TRUE
Validation - Rates Produce Rev Req	(\$445)			

Industrial										IND			Close Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)							
5/8 x 3/4"	0	\$52.18	\$55.82	\$3.64	6.98%	\$0	\$0	\$0							
3/4"	0	78.27	83.73	5.46	6.98%	0	0	0							
1"	0	130.46	139.54	9.08	6.96%	0	0	0							
1-1/2"	0	260.92	279.09	18.17	6.96%	0	0	0							
2"	0	417.47	446.54	29.07	6.96%	0	0	0							
3"	0	782.75	837.26	54.51	6.96%	0	0	0							
4"	0	1,304.58	1,395.43	90.85	6.96%	0	0	0							
6"	0	2,609.16	2,790.86	181.70	6.96%	0	0	0							
8"	0	4,174.65	4,465.37	290.72	6.96%	0	0	0							
10"	0	6,001.07	6,418.97	417.90	6.96%	0	0	0							
12"	0	8,610.22	9,209.83	599.61	6.96%	0	0	0							
14"	0	11,741.22	12,558.86	817.64	6.96%	0	0	0							
16"	0	12,002.13	12,837.95	835.82	6.96%	0	0	0							
18"	0	12,784.88	13,675.20	890.32	6.96%	0	0	0							
Total	0					\$0	\$0	\$0							

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	0	0	\$7.8246	\$8.3334	\$0.5088	6.50%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

Public Authority										PA			Open Tariff Excel Grouping		
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)							
5/8 x 3/4"	31	\$52.18	\$55.82	\$3.64	6.98%	\$19,661	\$21,033	\$1,372							
3/4"	0	78.27	83.73	5.46	6.98%	0	0	0							
1"	62	130.46	139.54	9.08	6.96%	96,777	103,513	6,736							
1-1/2"	45	260.92	279.09	18.17	6.96%	141,326	151,167	9,842							
2"	58	417.47	446.54	29.07	6.96%	290,024	310,219	20,195							
3"	16	782.75	837.26	54.51	6.96%	147,469	157,738	10,270							
4"	6	1,304.58	1,395.43	90.85	6.96%	92,168	98,586	6,418							
6"	2	2,609.16	2,790.86	181.70	6.96%	61,445	65,724	4,279							
8"	0	4,174.65	4,465.37	290.72	6.96%	0	0	0							
10"	0	6,001.07	6,418.97	417.90	6.96%	0	0	0							
12"	0	8,610.22	9,209.83	599.61	6.96%	0	0	0							
14"	0	11,741.22	12,558.86	817.64	6.96%	0	0	0							
16"	0	12,002.13	12,837.95	835.82	6.96%	0	0	0							
18"	0	12,784.88	13,675.20	890.32	6.96%	0	0	0							
Total	220					\$848,869	\$907,981	\$59,111							

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	315,138	315,138	\$7.8246	\$8.3334	\$0.5088	6.50%	\$2,465,828	\$2,626,170	\$160,342
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			315,138	315,138					\$2,465,828	\$2,626,170	\$160,342
Grand Total									\$3,314,697	\$3,534,150	\$219,454

California Water Service Company
 Rate Design Calculation
 2024 General Rate Case
 Projected Year: 2028

Total Revenue Requirement	\$41,857,823	District / Consolidated Group Code:	110	LIV
Other Revenues	\$16,968	Consolidated Group Type / System:	0	
Water Revenues Through Water Tariff Rates	\$41,840,856	District / Consolidated Group Name:	Livermore	
Water Revenues - Present Rates (per Summary)	\$39,243,760	Projected Year:	2028	
Revenue Incr (Decr) [% & \$]	6.62%		\$2,597,095	
Revenues - Proposed Rates (Per Summary)	\$41,840,410		\$41,840,410	\$0 TRUE
Validation - Rates Produce Rev Req	(\$445)			

Other		OTH		Open Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"	0	\$52.18	\$55.82	\$3.64	6.98%	\$0	\$0	\$0				
3/4"	0	78.27	83.73	5.46	6.98%	0	0	0				
1"	0	130.46	139.54	9.08	6.96%	0	0	0				
1-1/2"	0	260.92	279.09	18.17	6.96%	0	0	0				
2"	12	417.47	446.54	29.07	6.96%	60,116	64,302	4,186				
3"	0	782.75	837.26	54.51	6.96%	0	0	0				
4"	0	1,304.58	1,395.43	90.85	6.96%	0	0	0				
6"	0	2,609.16	2,790.86	181.70	6.96%	0	0	0				
8"	0	4,174.65	4,465.37	290.72	6.96%	0	0	0				
10"	0	6,001.07	6,418.97	417.90	6.96%	0	0	0				
12"	0	8,610.22	9,209.83	599.61	6.96%	0	0	0				
14"	0	11,741.22	12,558.86	817.64	6.96%	0	0	0				
16"	0	12,002.13	12,837.95	835.82	6.96%	0	0	0				
18"	0	12,784.88	13,675.20	890.32	6.96%	0	0	0				
Total	12					\$60,116	\$64,302	\$4,186				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	11,346	11,346	\$7.8246	\$8.3334	\$0.5088	6.50%	\$88,781	\$94,554	\$5,773
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			11,346	11,346					\$88,781	\$94,554	\$5,773
Grand Total									\$148,896	\$158,855	\$9,959

Reserved		Reserved		Close Tariff Excel Grouping								
Meter Sizes	# Services	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)				
5/8 x 3/4"		\$52.18	\$55.82	\$3.64	6.98%	\$0	\$0	\$0				
3/4"		78.27	83.73	5.46	6.98%	0	0	0				
1"		130.46	139.54	9.08	6.96%	0	0	0				
1-1/2"		260.92	279.09	18.17	6.96%	0	0	0				
2"		417.47	446.54	29.07	6.96%	0	0	0				
3"		782.75	837.26	54.51	6.96%	0	0	0				
4"		1,304.58	1,395.43	90.85	6.96%	0	0	0				
6"		2,609.16	2,790.86	181.70	6.96%	0	0	0				
8"		4,174.65	4,465.37	290.72	6.96%	0	0	0				
10"		6,001.07	6,418.97	417.90	6.96%	0	0	0				
12"		8,610.22	9,209.83	599.61	6.96%	0	0	0				
14"		11,741.22	12,558.86	817.64	6.96%	0	0	0				
16"		12,002.13	12,837.95	835.82	6.96%	0	0	0				
18"		12,784.88	13,675.20	890.32	6.96%	0	0	0				
Total	0					\$0	\$0	\$0				

Tier Blocks	Current Qty Tiers (CCF)	Proposed Qty Tiers (CCF)	Current Qty (CCF)	Proposed Qty (CCF)	Current Rates (\$)	Proposed Rates (\$)	Change in Rates (\$)	% Change in Rates	Revenues at Present Rates (\$)	Revenues at Proposed Rates (\$)	Change in Revenues (\$)
Tier 1	All Usage	All Usage	0	0	\$7.8246	\$8.3334	\$0.5088	6.50%	\$0	\$0	\$0
Tier 2	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 3	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 4	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Tier 5	Reserved	Reserved	0	0	0.0000	0.0000	0.0000	0.00%	0	0	0
Total			0	0					\$0	\$0	\$0
Grand Total									\$0	\$0	\$0

CHAPTER 12

PLANT ADDITIONS FOR FIVE RECORDED YEARS

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201901	00106542	Install 8" Pipe- Catalina Court	CWSCO Non-Spec Water Reg Extension	103436	113,176.00
Livermore		2019	201901	00106542	Install 8" Pipe- Catalina Court	CWSCO Non-Spec Water Reg Extension	103450	73,478.00
Livermore		2019	201901	00106542	Install 8" Pipe- Catalina Court	CWSCO Non-Spec Water Reg Extension	103480	85,881.00
Livermore		2019	201901	00119181	Replace Awnings at Yard	CWSCO Non-Spec Water Regulated	103710	5,335.71
Livermore		2019	201901	00119181	Replace Awnings at Yard	CWSCO Non-Spec Water Regulated	149310	73.05
Livermore		2019	201901	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	19,257.40
Livermore		2019	201901	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	10.24
Livermore		2019	201901	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	5,297.16
Livermore		2019	201901	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	178.88
Livermore		2019	201901	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	27,197.14
Livermore		2019	201901	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	50.81
Livermore		2019	201901	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	18,412.51
Livermore		2019	201901	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	44.53
Livermore		2019	201901	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	47,274.33
Livermore		2019	201901	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	373.25
Livermore		2019	201901	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	3,706.71
Livermore		2019	201901	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	109.23
Livermore		2019	201901	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	9,436.12
Livermore		2019	201901	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	215.08
Livermore		2019	201902	00063953	Replace booster station at LIV 23	CWSCO Specific Water Regulated	103240	1,911.42
Livermore		2019	201902	00063953	Replace booster station at LIV 23	CWSCO Specific Water Regulated	149310	17.22
Livermore		2019	201902	00118711	Field Yard Emergency Gates	CWSCO Non-Spec Water Regulated	103710	6,943.14
Livermore		2019	201902	00118711	Field Yard Emergency Gates	CWSCO Non-Spec Water Regulated	149310	61.40
Livermore		2019	201902	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103433	293.77
Livermore		2019	201902	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	1,300.41
Livermore		2019	201902	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	1,500.74
Livermore		2019	201902	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	181.29
Livermore		2019	201902	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	5,517.42
Livermore		2019	201902	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	7,708.32
Livermore		2019	201902	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	214.91
Livermore		2019	201902	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	1,351.91
Livermore		2019	201902	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	36.06
Livermore		2019	201902	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	49,118.68
Livermore		2019	201902	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	673.61
Livermore		2019	201902	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,615.81
Livermore		2019	201902	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	14.51

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201902	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,082.63
Livermore		2019	201902	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	78.21
Livermore		2019	201903	00109505	City Council Building 6" F.S.	CWSCO Non-Spec Water Reg Contributn	103450	9,147.71
Livermore		2019	201903	00109505	City Council Building 6" F.S.	CWSCO Non-Spec Water Reg Contributn	149310	266.06
Livermore		2019	201903	00119361	Overlay Field Yard Roof	CWSCO Non-Spec Water Regulated	103710	17,228.37
Livermore		2019	201903	00119361	Overlay Field Yard Roof	CWSCO Non-Spec Water Regulated	149310	154.00
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	(19,257.40)
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103433	(293.77)
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	(1,300.41)
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	10,483.62
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149310	191.53
Livermore		2019	201903	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	(191.53)
Livermore		2019	201903	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	621.36
Livermore		2019	201903	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149310	184.46
Livermore		2019	201903	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	(178.88)
Livermore		2019	201903	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	4,912.91
Livermore		2019	201903	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149310	527.72
Livermore		2019	201903	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	(265.72)
Livermore		2019	201903	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	16,855.99
Livermore		2019	201903	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149310	455.97
Livermore		2019	201903	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	(80.59)
Livermore		2019	201903	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	365,253.49
Livermore		2019	201903	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	1,549.70
Livermore		2019	201903	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(1,046.86)
Livermore		2019	201903	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	9,326.87
Livermore		2019	201903	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	174.51
Livermore		2019	201903	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(123.74)
Livermore		2019	201903	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,140.91
Livermore		2019	201903	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	950.75
Livermore		2019	201903	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(885.90)
Livermore		2019	201904	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103435	101,982.34
Livermore		2019	201904	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103436	180,801.07
Livermore		2019	201904	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103450	62,424.00
Livermore		2019	201904	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103480	55,188.00
Livermore		2019	201904	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	149310	56.59
Livermore		2019	201904	00105257	Install 4" FS: 6" FH-Old First St.	CWSCO Non-Spec Water Reg Contributn	103450	54,681.82

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201904	00105257	Install 4" FS: 6" FH-Old First St.	CWSCO Non-Spec Water Reg Contributn	103480	36,685.32
Livermore		2019	201904	00110259	LIV 010-B: Replace Pump and Motor	CWSCO Non-Spec Water Regulated	103240	74,041.71
Livermore		2019	201904	00110259	LIV 010-B: Replace Pump and Motor	CWSCO Non-Spec Water Regulated	149310	1,995.68
Livermore		2019	201904	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	103436	1,979,699.75
Livermore		2019	201904	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	103450	547,751.01
Livermore		2019	201904	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	103480	38,399.19
Livermore		2019	201904	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	149310	27,505.17
Livermore		2019	201904	00119422	Relocate 6" Main on Sunset	CWSCO Non-Spec Water Regulated	103436	32,282.77
Livermore		2019	201904	00119422	Relocate 6" Main on Sunset	CWSCO Non-Spec Water Regulated	103450	9,070.00
Livermore		2019	201904	00119422	Relocate 6" Main on Sunset	CWSCO Non-Spec Water Regulated	149310	480.22
Livermore		2019	201904	00119431	Sit-Stand Workstation Modules	CWSCO Non-Spec Water Reg Equipment	103720	5,422.09
Livermore		2019	201904	00119431	Sit-Stand Workstation Modules	CWSCO Non-Spec Water Reg Equipment	149310	19.98
Livermore		2019	201904	00119714	Livermore Stat10 Air and Vacuum Val	CWSCO Non-Spec Water Regulated	103240	2,728.61
Livermore		2019	201904	00119714	Livermore Stat10 Air and Vacuum Val	CWSCO Non-Spec Water Regulated	149310	52.61
Livermore		2019	201904	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	11,717.79
Livermore		2019	201904	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	8.82
Livermore		2019	201904	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	13,706.36
Livermore		2019	201904	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	63.60
Livermore		2019	201904	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	1,091.85
Livermore		2019	201904	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	37.15
Livermore		2019	201904	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	1,080.07
Livermore		2019	201904	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	26.52
Livermore		2019	201904	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	(315,920.29)
Livermore		2019	201904	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	266.61
Livermore		2019	201904	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	13,318.94
Livermore		2019	201904	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	185.13
Livermore		2019	201904	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	25,124.26
Livermore		2019	201904	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	270.41
Livermore		2019	201905	00110149	820' 6" PVC North M St & Elm St	CWSCO Main Replace Spcific (NON)	103436	35,715.65
Livermore		2019	201905	00110149	820' 6" PVC North M St & Elm St	CWSCO Main Replace Spcific (NON)	103450	51.63
Livermore		2019	201905	00110149	820' 6" PVC North M St & Elm St	CWSCO Main Replace Spcific (NON)	149310	330.28
Livermore		2019	201905	00110259	LIV 010-B: Replace Pump and Motor	CWSCO Non-Spec Water Regulated	103240	(92.53)
Livermore		2019	201905	00110421	1350' 6" PVC Andrews St	CWSCO Main Replace Spcific (NON)	103436	27,107.98
Livermore		2019	201905	00110421	1350' 6" PVC Andrews St	CWSCO Main Replace Spcific (NON)	149310	237.79
Livermore		2019	201905	00118711	Field Yard Emergency Gates	CWSCO Non-Spec Water Regulated	103710	3,552.00
Livermore		2019	201905	00118711	Field Yard Emergency Gates	CWSCO Non-Spec Water Regulated	149310	32.00

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201905	00119314	LIV 009-C - Replace Pump and Motor	CWSCO Non-Spec Water Regulated	103240	36,081.07
Livermore		2019	201905	00119314	LIV 009-C - Replace Pump and Motor	CWSCO Non-Spec Water Regulated	149310	617.56
Livermore		2019	201905	00120034	Install Gate valve@ Railroad x L.st	CWSCO Non-Spec Water Regulated	103434	38,285.27
Livermore		2019	201905	00120034	Install Gate valve@ Railroad x L.st	CWSCO Non-Spec Water Regulated	149310	350.04
Livermore		2019	201905	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	987.07
Livermore		2019	201905	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	13,077.56
Livermore		2019	201905	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	288.76
Livermore		2019	201905	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	19,107.52
Livermore		2019	201905	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	214.52
Livermore		2019	201905	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	17.58
Livermore		2019	201905	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	1.55
Livermore		2019	201905	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	72,866.62
Livermore		2019	201905	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	342.02
Livermore		2019	201905	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	75,734.50
Livermore		2019	201905	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	540.80
Livermore		2019	201905	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,186.29
Livermore		2019	201905	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	13.73
Livermore		2019	201905	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	28,303.18
Livermore		2019	201905	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	152.73
Livermore		2019	201906	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	103436	836,433.12
Livermore		2019	201906	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	103450	217,740.08
Livermore		2019	201906	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	103480	11,149.15
Livermore		2019	201906	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	149310	20,418.79
Livermore		2019	201906	00116049	LIV 022-T2 - Replace Berm	CWSCO Specific Water Regulated	103411	23,651.48
Livermore		2019	201906	00116049	LIV 022-T2 - Replace Berm	CWSCO Specific Water Regulated	149310	257.84
Livermore		2019	201906	00117314	00117314	CWSCO Non-Spec Water Regulated	103030	-
Livermore		2019	201906	00117314	00117314	CWSCO Non-Spec Water Regulated	149310	108.87
Livermore		2019	201906	00119714	Livermore Stat10 Air and Vacuum Val	CWSCO Non-Spec Water Regulated	103240	(7.66)
Livermore		2019	201906	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	(987.07)
Livermore		2019	201906	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	(4,431.43)
Livermore		2019	201906	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149310	346.72
Livermore		2019	201906	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	(297.58)
Livermore		2019	201906	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	30,669.53
Livermore		2019	201906	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149310	717.72
Livermore		2019	201906	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	(278.12)
Livermore		2019	201906	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	-

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201906	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149310	38.70
Livermore		2019	201906	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	(38.70)
Livermore		2019	201906	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	263,813.26
Livermore		2019	201906	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149310	2,189.24
Livermore		2019	201906	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	(368.54)
Livermore		2019	201906	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	19,598.69
Livermore		2019	201906	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	1,656.52
Livermore		2019	201906	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(807.41)
Livermore		2019	201906	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	4,529.42
Livermore		2019	201906	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	321.79
Livermore		2019	201906	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(198.86)
Livermore		2019	201906	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	17,034.13
Livermore		2019	201906	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	687.43
Livermore		2019	201906	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(423.14)
Livermore		2019	201907	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	103436	163.73
Livermore		2019	201907	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	149310	1.48
Livermore		2019	201907	00112362	Sonoma Tract 8343 Wayland	CWSCO Non-Spec Water Reg Extension	103434	27,490.00
Livermore		2019	201907	00112362	Sonoma Tract 8343 Wayland	CWSCO Non-Spec Water Reg Extension	103436	117,761.00
Livermore		2019	201907	00112362	Sonoma Tract 8343 Wayland	CWSCO Non-Spec Water Reg Extension	103450	97,629.42
Livermore		2019	201907	00112362	Sonoma Tract 8343 Wayland	CWSCO Non-Spec Water Reg Extension	103480	46,331.00
Livermore		2019	201907	00112362	Sonoma Tract 8343 Wayland	CWSCO Non-Spec Water Reg Extension	149310	124.58
Livermore		2019	201907	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103433	15,757.18
Livermore		2019	201907	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103436	217,706.81
Livermore		2019	201907	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103450	123,118.18
Livermore		2019	201907	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103480	10,798.29
Livermore		2019	201907	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	149310	8,571.85
Livermore		2019	201907	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	3,633.26
Livermore		2019	201907	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	32.30
Livermore		2019	201907	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	(573.92)
Livermore		2019	201907	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	28.68
Livermore		2019	201907	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	405.09
Livermore		2019	201907	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	13.61
Livermore		2019	201907	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	135,329.89
Livermore		2019	201907	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	608.13
Livermore		2019	201907	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	61,517.87
Livermore		2019	201907	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	100.58

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201907	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,528.98
Livermore		2019	201907	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	2.91
Livermore		2019	201907	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	17,765.48
Livermore		2019	201907	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	54.08
Livermore		2019	201908	00097724	Tank Mixing at Sta 23	CWSCO Specific Water Regulated	103320	130,940.87
Livermore		2019	201908	00097724	Tank Mixing at Sta 23	CWSCO Specific Water Regulated	149310	436.34
Livermore		2019	201908	00115654	LIV 022-T1 - Tank Structure Retro	CWSCO Specific Water Regulated	103420	51,215.31
Livermore		2019	201908	00115654	LIV 022-T1 - Tank Structure Retro	CWSCO Specific Water Regulated	149310	590.80
Livermore		2019	201908	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	177.26
Livermore		2019	201908	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	202.53
Livermore		2019	201908	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	12.76
Livermore		2019	201908	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	1,440.80
Livermore		2019	201908	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	6.80
Livermore		2019	201908	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	35,494.80
Livermore		2019	201908	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	69.70
Livermore		2019	201908	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	29,048.69
Livermore		2019	201908	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	107.06
Livermore		2019	201908	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	51,238.63
Livermore		2019	201908	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	94.89
Livermore		2019	201908	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,274.84
Livermore		2019	201908	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	6.80
Livermore		2019	201908	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	42,795.72
Livermore		2019	201908	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	247.63
Livermore		2019	201909	00115866	LIV 022-PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	103210	35,769.36
Livermore		2019	201909	00115866	LIV 022-PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	103240	289,146.46
Livermore		2019	201909	00115866	LIV 022-PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	149310	5,070.67
Livermore		2019	201909	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	(177.26)
Livermore		2019	201909	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	784.89
Livermore		2019	201909	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149310	65.46
Livermore		2019	201909	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	(45.06)
Livermore		2019	201909	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	1,682.30
Livermore		2019	201909	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149310	67.78
Livermore		2019	201909	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	(35.48)
Livermore		2019	201909	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	(5,948.72)
Livermore		2019	201909	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149310	108.59
Livermore		2019	201909	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	(83.31)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201909	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	(3,262.07)
Livermore		2019	201909	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149310	742.39
Livermore		2019	201909	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	(715.19)
Livermore		2019	201909	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	35,407.10
Livermore		2019	201909	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	353.70
Livermore		2019	201909	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(195.47)
Livermore		2019	201909	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	6,382.61
Livermore		2019	201909	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	25.94
Livermore		2019	201909	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(9.71)
Livermore		2019	201909	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	1,235.27
Livermore		2019	201909	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	376.57
Livermore		2019	201909	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(301.71)
Livermore		2019	201910	00098523	2016 Control Valve Overhaul - 110	CWSCO Specific Water Regulated	103240	27,630.62
Livermore		2019	201910	00098523	2016 Control Valve Overhaul - 110	CWSCO Specific Water Regulated	103434	14,882.03
Livermore		2019	201910	00118654	Install 2-1" SVCs @ 346 N K	CWSCO Non-Spec Water Reg Contributn	103450	2,405.02
Livermore		2019	201910	00118654	Install 2-1" SVCs @ 346 N K	CWSCO Non-Spec Water Reg Contributn	149310	28.61
Livermore		2019	201910	00119660	Install Fire Service @ 4964 Tesla	CWSCO Non-Spec Water Reg Contributn	103450	13,012.02
Livermore		2019	201910	00119660	Install Fire Service @ 4964 Tesla	CWSCO Non-Spec Water Reg Contributn	149310	195.79
Livermore		2019	201910	00120338	LIV Ricoh Scanner/Copiers	CWSCO Non-Spec Water Reg Equipment	103721	18,522.71
Livermore		2019	201910	00120338	LIV Ricoh Scanner/Copiers	CWSCO Non-Spec Water Reg Equipment	149310	16.29
Livermore		2019	201910	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103433	155.81
Livermore		2019	201910	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	5.23
Livermore		2019	201910	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	344.29
Livermore		2019	201910	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	(778.14)
Livermore		2019	201910	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	29,409.49
Livermore		2019	201910	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	85.97
Livermore		2019	201910	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	150.89
Livermore		2019	201910	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	5,559.83
Livermore		2019	201910	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	92.64
Livermore		2019	201911	00063357	LIV 32 A:B&C: Replace Booster Pack	CWSCO Specific Water Regulated	103210	18,046.22
Livermore		2019	201911	00063357	LIV 32 A:B&C: Replace Booster Pack	CWSCO Specific Water Regulated	103240	62,342.33
Livermore		2019	201911	00063357	LIV 32 A:B&C: Replace Booster Pack	CWSCO Specific Water Regulated	149310	1,367.65
Livermore		2019	201911	00098870	Flow Meter Zone7 TO # VII	CWSCO Specific Water Regulated	103240	68,726.03
Livermore		2019	201911	00098870	Flow Meter Zone7 TO # VII	CWSCO Specific Water Regulated	149310	1,125.50
Livermore		2019	201911	00119904	800' 12" DI on S. Livermore Ave	CWSCO Main Replace Spcific (NON)	103435	554,145.19
Livermore		2019	201911	00119904	800' 12" DI on S. Livermore Ave	CWSCO Main Replace Spcific (NON)	103480	12,175.89

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201911	00119904	800' 12" DI on S. Livermore Ave	CWSCO Main Replace Spcific (NON)	149310	2,385.29
Livermore		2019	201911	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	6,200.00
Livermore		2019	201911	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	3,665.22
Livermore		2019	201911	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	53,126.67
Livermore		2019	201911	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	57.18
Livermore		2019	201911	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	154.24
Livermore		2019	201911	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	3.05
Livermore		2019	201911	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,524.88
Livermore		2019	201911	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	78.34
Livermore		2019	201912	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103435	-
Livermore		2019	201912	00004925	SubArea 5 Tract 7171 - Centex	CWSCO Non-Spec Water Reg Extension	103436	-
Livermore		2019	201912	00097647	LIV 2016 CP Sytem Upgrades	CWSCO Specific Water Regulated	103420	-
Livermore		2019	201912	00098846	Replace 3 RTUs in 2016	CWSCO Specific Water Regulated	103241	-
Livermore		2019	201912	00098854	Replace SCADA Modicon RTUs	CWSCO Specific Water Regulated	103241	-
Livermore		2019	201912	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	103436	-
Livermore		2019	201912	00110146	1765' 8" PVC 3rd & S. 'R' St	CWSCO Main Replace Spcific (NON)	103450	-
Livermore		2019	201912	00110259	LIV 010-B: Replace Pump and Motor	CWSCO Non-Spec Water Regulated	103240	-
Livermore		2019	201912	00110417	5030' 6"/8" PVC Palm/7th St/S. J St	CWSCO Main Replace Spcific (NON)	103480	-
Livermore		2019	201912	00110420	1420' 8" PVC Maple St/7th St	CWSCO Main Replace Spcific (NON)	103436	1,038,630.12
Livermore		2019	201912	00110420	1420' 8" PVC Maple St/7th St	CWSCO Main Replace Spcific (NON)	103450	316,671.50
Livermore		2019	201912	00110420	1420' 8" PVC Maple St/7th St	CWSCO Main Replace Spcific (NON)	103480	17,607.17
Livermore		2019	201912	00110420	1420' 8" PVC Maple St/7th St	CWSCO Main Replace Spcific (NON)	149310	8,124.69
Livermore		2019	201912	00110421	1350' 6" PVC Andrews St	CWSCO Main Replace Spcific (NON)	103480	-
Livermore		2019	201912	00115654	LIV 022-T1 - Tank Structure Retro	CWSCO Specific Water Regulated	103420	-
Livermore		2019	201912	00115866	LIV 022-PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	103240	-
Livermore		2019	201912	00117314	00117314	CWSCO Non-Spec Water Regulated	103030	-
Livermore		2019	201912	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103433	-
Livermore		2019	201912	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103436	-
Livermore		2019	201912	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103450	-
Livermore		2019	201912	00117784	525' 6" PVC Florida Court	CWSCO Main Replace Spcific (NON)	103480	-
Livermore		2019	201912	00119314	LIV 009-C - Replace Pump and Motor	CWSCO Non-Spec Water Regulated	103240	-
Livermore		2019	201912	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	6,386.99
Livermore		2019	201912	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	173.62
Livermore		2019	201912	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(143.15)
Livermore		2019	201912	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	857.33
Livermore		2019	201912	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	31.84

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2019	201912	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(3.05)
Livermore		2019	201912	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,994.86
Livermore		2019	201912	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	244.63
Livermore		2019	201912	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(170.98)
								9,558,798.18

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202001	00119082	305' 6" PVC N St	CWSCO Main Replace Spcific (NON)	103436	125,517.51
Livermore		2020	202001	00119082	305' 6" PVC N St	CWSCO Main Replace Spcific (NON)	103450	35,124.93
Livermore		2020	202001	00119082	305' 6" PVC N St	CWSCO Main Replace Spcific (NON)	103480	6,554.39
Livermore		2020	202001	00119082	305' 6" PVC N St	CWSCO Main Replace Spcific (NON)	149310	1,031.61
Livermore		2020	202001	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	671.71
Livermore		2020	202001	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	3,700.88
Livermore		2020	202001	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103435	671.72
Livermore		2020	202001	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	39.27
Livermore		2020	202001	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	358.13
Livermore		2020	202001	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	107,908.58
Livermore		2020	202001	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	65.72
Livermore		2020	202001	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,910.72
Livermore		2020	202001	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	65.16
Livermore		2020	202002	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	(6,200.00)
Livermore		2020	202002	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	2,877.07
Livermore		2020	202002	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	6.68
Livermore		2020	202002	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	4,404.85
Livermore		2020	202002	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	3.34
Livermore		2020	202002	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	67,119.89
Livermore		2020	202002	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	58.45
Livermore		2020	202002	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	750.99
Livermore		2020	202002	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	22.09
Livermore		2020	202002	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,922.23
Livermore		2020	202002	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	113.20
Livermore		2020	202003	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	103241	482,699.57
Livermore		2020	202003	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	149310	1,796.98
Livermore		2020	202003	00115633	LIV 009-T4 - New 30" Manway	CWSCO Specific Water Regulated	103420	20,258.13
Livermore		2020	202003	00115633	LIV 009-T4 - New 30" Manway	CWSCO Specific Water Regulated	149310	47.98
Livermore		2020	202003	00115990	LIV 013-T2 - Tank Retrofits	CWSCO Specific Water Regulated	103420	49,769.89
Livermore		2020	202003	00115990	LIV 013-T2 - Tank Retrofits	CWSCO Specific Water Regulated	149310	1,678.11
Livermore		2020	202003	LIV0100	LIV- For misc JE's & Transfers	CWSCO Non-Spec Water Regulated	103210	5,306.68
Livermore		2020	202003	LIV0100	LIV- For misc JE's & Transfers	CWSCO Non-Spec Water Regulated	103240	22,206.17
Livermore		2020	202003	LIV0100	LIV- For misc JE's & Transfers	CWSCO Non-Spec Water Regulated	103420	73,044.08
Livermore		2020	202003	LIV0100	LIV- For misc JE's & Transfers	CWSCO Non-Spec Water Regulated	103436	584,438.07
Livermore		2020	202003	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	(4,404.85)
Livermore		2020	202003	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103435	22,822.56

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202003	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103436	17,562.19
Livermore		2020	202003	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149310	3.34
Livermore		2020	202003	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	149316	(3.34)
Livermore		2020	202003	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	64,098.20
Livermore		2020	202003	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	152.56
Livermore		2020	202003	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(124.17)
Livermore		2020	202003	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,828.17
Livermore		2020	202003	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	79.92
Livermore		2020	202003	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(22.09)
Livermore		2020	202003	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,082.55
Livermore		2020	202003	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	205.08
Livermore		2020	202003	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(178.36)
Livermore		2020	202004	00110419	3400' 8" PVC Maple St/3rd St	CWSCO Main Replace Spcific (NON)	103436	2,228,826.00
Livermore		2020	202004	00110419	3400' 8" PVC Maple St/3rd St	CWSCO Main Replace Spcific (NON)	103450	607,774.31
Livermore		2020	202004	00110419	3400' 8" PVC Maple St/3rd St	CWSCO Main Replace Spcific (NON)	103480	15,781.44
Livermore		2020	202004	00110419	3400' 8" PVC Maple St/3rd St	CWSCO Main Replace Spcific (NON)	149310	15,629.21
Livermore		2020	202004	00110420	1420' 8" PVC Maple St/7th St	CWSCO Main Replace Spcific (NON)	103436	5,183.57
Livermore		2020	202004	00115816	2019 Vehicle Replacement Program	CWSCO Specific Water Regulated	103730	35,370.36
Livermore		2020	202004	00115816	2019 Vehicle Replacement Program	CWSCO Specific Water Regulated	103780	10,811.88
Livermore		2020	202004	00115816	2019 Vehicle Replacement Program	CWSCO Specific Water Regulated	149310	35.09
Livermore		2020	202004	00120732	Lower & Raise Water Valves	CWSCO Non-Spec Water Regulated	103434	193,101.88
Livermore		2020	202004	00120732	Lower & Raise Water Valves	CWSCO Non-Spec Water Regulated	149310	6.80
Livermore		2020	202004	00121603	Purchase Field Yard Barbecue	CWSCO Non-Spec Water Reg Equipment	103780	590.56
Livermore		2020	202004	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103432	91.19
Livermore		2020	202004	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103434	333.84
Livermore		2020	202004	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	149316	11.69
Livermore		2020	202004	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	44,458.32
Livermore		2020	202004	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	13.86
Livermore		2020	202004	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	18,082.98
Livermore		2020	202004	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	7,824.77
Livermore		2020	202004	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	177,132.74
Livermore		2020	202004	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	45.59
Livermore		2020	202004	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,047.91
Livermore		2020	202004	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	36.97
Livermore		2020	202004	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	615.33
Livermore		2020	202004	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	21.71

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202005	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	103241	14,250.43
Livermore		2020	202005	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	149310	120.17
Livermore		2020	202005	00119904	800' 12" DI on S. Livermore Ave	CWSCO Main Replace Spcific (NON)	103435	7.01
Livermore		2020	202005	00120241	Replace Chemical Pumps	CWSCO Non-Spec Water Regulated	103320	79,679.30
Livermore		2020	202005	00120241	Replace Chemical Pumps	CWSCO Non-Spec Water Regulated	149310	109.38
Livermore		2020	202005	00120494	Op.Ctr.Conf.Table Chairs	CWSCO Non-Spec Water Reg Equipment	103720	4,146.19
Livermore		2020	202005	00120849	Purchase Power Washer for V206014	CWSCO Non-Spec Water Reg Equipment	103780	1,572.18
Livermore		2020	202005	00120849	Purchase Power Washer for V206014	CWSCO Non-Spec Water Reg Equipment	149310	5.93
Livermore		2020	202005	00120998	New Signage for Commercial Office	CWSCO Non-Spec Water Reg Equipment	103720	2,123.12
Livermore		2020	202005	LIV0500	LIV Unsch Main Replacements	CWSCO Non-Spec Water Regulated	103436	671.72
Livermore		2020	202005	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	1,434.19
Livermore		2020	202005	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	14.87
Livermore		2020	202005	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	(2,388.01)
Livermore		2020	202005	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	3.84
Livermore		2020	202005	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	(173.43)
Livermore		2020	202005	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	41,763.29
Livermore		2020	202005	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	9.35
Livermore		2020	202005	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	193.75
Livermore		2020	202005	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	850.83
Livermore		2020	202005	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	30.03
Livermore		2020	202006	00116248	LIV 023-T2 - Tank Retrofits	CWSCO Specific Water Regulated	103420	94,499.49
Livermore		2020	202006	00116248	LIV 023-T2 - Tank Retrofits	CWSCO Specific Water Regulated	149310	24.70
Livermore		2020	202006	00117756	Install 8" Fire Service 3951 East	CWSCO Non-Spec Water Reg Contributn	103450	98,996.49
Livermore		2020	202006	00117756	Install 8" Fire Service 3951 East	CWSCO Non-Spec Water Reg Contributn	149310	31.39
Livermore		2020	202006	00120612	45 Gallon Flammable cabinets	CWSCO Non-Spec Water Reg Equipment	103740	2,046.49
Livermore		2020	202006	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	93,829.56
Livermore		2020	202006	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149310	28.73
Livermore		2020	202006	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	(28.73)
Livermore		2020	202006	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	10,121.33
Livermore		2020	202006	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149310	10.52
Livermore		2020	202006	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	(10.52)
Livermore		2020	202006	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	(115,089.51)
Livermore		2020	202006	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	95.02
Livermore		2020	202006	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(54.94)
Livermore		2020	202006	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,988.81
Livermore		2020	202006	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	102.57

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202006	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(36.97)
Livermore		2020	202006	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	1,390.36
Livermore		2020	202006	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	71.86
Livermore		2020	202006	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(51.74)
Livermore		2020	202007	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103435	93,225.11
Livermore		2020	202007	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103436	1,318,189.24
Livermore		2020	202007	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103450	639,265.42
Livermore		2020	202007	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103480	9,785.23
Livermore		2020	202007	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	149310	7,407.77
Livermore		2020	202007	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	6,994.80
Livermore		2020	202007	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	80,383.81
Livermore		2020	202007	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	23.38
Livermore		2020	202007	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	2,112.72
Livermore		2020	202007	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	16.70
Livermore		2020	202007	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,219.65
Livermore		2020	202007	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	3.34
Livermore		2020	202008	00098856	Replace SCADA Modicon RTUs	CWSCO Specific Water Regulated	103241	52,024.99
Livermore		2020	202008	00098856	Replace SCADA Modicon RTUs	CWSCO Specific Water Regulated	149310	1,129.54
Livermore		2020	202008	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	2,296.89
Livermore		2020	202008	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	122,612.42
Livermore		2020	202008	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	16.70
Livermore		2020	202008	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	390.91
Livermore		2020	202008	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	1,704.90
Livermore		2020	202008	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	40.34
Livermore		2020	202009	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	103435	2,211,429.21
Livermore		2020	202009	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	103436	1,158,873.78
Livermore		2020	202009	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	103450	841,365.22
Livermore		2020	202009	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	103480	155,309.95
Livermore		2020	202009	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	149310	7,804.19
Livermore		2020	202009	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	(52,815.03)
Livermore		2020	202009	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	40.08
Livermore		2020	202009	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(40.08)
Livermore		2020	202009	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	3,061.46
Livermore		2020	202009	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	27.08
Livermore		2020	202009	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(16.70)
Livermore		2020	202009	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	473.30

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202009	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	60.38
Livermore		2020	202009	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(43.68)
Livermore		2020	202010	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103436	1,665.26
Livermore		2020	202010	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103450	1,493.00
Livermore		2020	202010	00119945	2750' 6/8" PVC Walnut St.	CWSCO Main Replace Spcific (NON)	103480	972.24
Livermore		2020	202010	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103436	737,552.83
Livermore		2020	202010	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103450	237,548.78
Livermore		2020	202010	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103480	34,802.80
Livermore		2020	202010	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	149310	3,627.96
Livermore		2020	202010	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	148.18
Livermore		2020	202010	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	37,048.98
Livermore		2020	202010	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	3.34
Livermore		2020	202010	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	226.57
Livermore		2020	202010	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	25,261.58
Livermore		2020	202010	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	17.20
Livermore		2020	202010	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,141.57
Livermore		2020	202010	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	13.09
Livermore		2020	202010	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	10,033.46
Livermore		2020	202010	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	296.20
Livermore		2020	202011	00121186	Crane Ridge Tanks Hatch Rplcmnt	CWSCO Non-Spec Water Regulated	103420	20,791.80
Livermore		2020	202011	00121186	Crane Ridge Tanks Hatch Rplcmnt	CWSCO Non-Spec Water Regulated	149310	101.26
Livermore		2020	202011	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	4,391.93
Livermore		2020	202011	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	3.34
Livermore		2020	202011	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	(155.86)
Livermore		2020	202011	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	29,825.07
Livermore		2020	202011	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	7.18
Livermore		2020	202011	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	1,002.68
Livermore		2020	202011	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	24.76
Livermore		2020	202011	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	26,402.96
Livermore		2020	202011	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	534.13
Livermore		2020	202012	00056574	Replace redwood tank at LIV 10	CWSCO Specific Water Regulated	103210	68,068.19
Livermore		2020	202012	00056574	Replace redwood tank at LIV 10	CWSCO Specific Water Regulated	103420	561,769.15
Livermore		2020	202012	00056574	Replace redwood tank at LIV 10	CWSCO Specific Water Regulated	149310	4,080.92
Livermore		2020	202012	00098122	Replace panelboard @ LIV Sta 10	CWSCO Specific Water Regulated	103240	505,985.24
Livermore		2020	202012	00098122	Replace panelboard @ LIV Sta 10	CWSCO Specific Water Regulated	149310	6,570.84
Livermore		2020	202012	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	103435	1,040,279.34

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2020	202012	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	103436	676,742.91
Livermore		2020	202012	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	103450	253,121.43
Livermore		2020	202012	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	103480	64,016.90
Livermore		2020	202012	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	149310	5,149.99
Livermore		2020	202012	00122097	LIV 022-A Pump Shelter Panel	CWSCO Non-Spec Water Regulated	103210	980.45
Livermore		2020	202012	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	103434	57,420.27
Livermore		2020	202012	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149310	3.34
Livermore		2020	202012	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Non-Spec Water Regulated	149316	(3.34)
Livermore		2020	202012	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	103480	-
Livermore		2020	202012	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149310	3.34
Livermore		2020	202012	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Non-Spec Water Regulated	149316	(3.34)
Livermore		2020	202012	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Non-Spec Water Regulated	103434	-
Livermore		2020	202012	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	103450	84,646.36
Livermore		2020	202012	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149310	37.74
Livermore		2020	202012	LIV0600	SERVICES -- ALL SIZES	CWSCO Non-Spec Water Regulated	149316	(24.38)
Livermore		2020	202012	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	103460	742.38
Livermore		2020	202012	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149310	64.05
Livermore		2020	202012	LIV0800	INSTALL / RETIRE METERS	CWSCO Non-Spec Water Regulated	149316	(37.85)
Livermore		2020	202012	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	7,269.64
Livermore		2020	202012	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	1,056.35
Livermore		2020	202012	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(830.33)

16,580,528.49

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2021	202101	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103436	129,797.14
Livermore		2021	202101	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103450	53,554.21
Livermore		2021	202101	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	103480	4,569.24
Livermore		2021	202101	00121145	1350' 6" PVC James Ave	CWSCO Main Replace Spcific (NON)	149310	434.49
Livermore		2021	202101	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103433	1,343.41
Livermore		2021	202101	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	(55,200.00)
Livermore		2021	202101	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	14,273.63
Livermore		2021	202101	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	48.02
Livermore		2021	202101	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149316	(3.38)
Livermore		2021	202101	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	20,090.04
Livermore		2021	202101	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(20.32)
Livermore		2021	202101	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	184.05
Livermore		2021	202101	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	25,906.36
Livermore		2021	202101	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(920.10)
Livermore		2021	202102	00115718	LIV 025-T2 - Repl Int Saf-T Climb	CWSCO Specific Water Regulated	103420	17,430.12
Livermore		2021	202102	00115718	LIV 025-T2 - Repl Int Saf-T Climb	CWSCO Specific Water Regulated	149310	29.81
Livermore		2021	202102	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	4,886.02
Livermore		2021	202102	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	20,626.97
Livermore		2021	202102	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(53.58)
Livermore		2021	202102	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	127,234.58
Livermore		2021	202102	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(190.25)
Livermore		2021	202102	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	1,945.83
Livermore		2021	202102	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(111.29)
Livermore		2021	202102	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	48,347.83
Livermore		2021	202102	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(721.72)
Livermore		2021	202103	00056574	Replace redwood tank at LIV 10	CWSCO Specific Water Regulated	103420	3,547.21
Livermore		2021	202103	00098122	Replace panelboard @ LIV Sta 10	CWSCO Specific Water Regulated	103240	21,143.70
Livermore		2021	202103	00098122	Replace panelboard @ LIV Sta 10	CWSCO Specific Water Regulated	149310	(99.55)
Livermore		2021	202103	00119083	3850' 8"/12" DI East Ave	CWSCO Main Replace Spcific (NON)	103435	246,971.91
Livermore		2021	202103	00122907	CRM Electrical Panel	CWSCO Non-Spec Water Regulated	103240	53,917.30
Livermore		2021	202103	00122907	CRM Electrical Panel	CWSCO Non-Spec Water Regulated	149310	449.88
Livermore		2021	202103	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	995.48
Livermore		2021	202103	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	671.69
Livermore		2021	202103	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149310	(53.58)
Livermore		2021	202103	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	53.58
Livermore		2021	202103	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	13,278.32

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2021	202103	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149310	(3.38)
Livermore		2021	202103	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149316	3.38
Livermore		2021	202103	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	132,952.48
Livermore		2021	202103	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(220.72)
Livermore		2021	202103	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	210.57
Livermore		2021	202103	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	-
Livermore		2021	202103	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149310	(111.29)
Livermore		2021	202103	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	111.29
Livermore		2021	202103	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	10,443.10
Livermore		2021	202103	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(1,952.15)
Livermore		2021	202103	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	1,641.82
Livermore		2021	202104	00115385	LIV 024-01 Replace Pump and Motor	CWSCO Specific Water Regulated	103240	133,973.87
Livermore		2021	202104	00115385	LIV 024-01 Replace Pump and Motor	CWSCO Specific Water Regulated	149310	413.32
Livermore		2021	202104	00115928	LIV 028 PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	103210	55,954.36
Livermore		2021	202104	00115928	LIV 028 PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	103240	384,558.90
Livermore		2021	202104	00115928	LIV 028 PT1 - Replace Pressure Tank	CWSCO Specific Water Regulated	149310	1,458.10
Livermore		2021	202104	00121655	Fire Hydrant installed at 1520 A	CWSCO Non-Spec Water Reg Contributn	103480	21,915.68
Livermore		2021	202104	00124603	Install new services @ 2585 College	CWSCO Non-Spec Water Reg Contributn	103450	24,639.06
Livermore		2021	202104	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	34,973.54
Livermore		2021	202104	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(40.62)
Livermore		2021	202104	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	8,094.97
Livermore		2021	202104	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(444.90)
Livermore		2021	202105	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	19,046.13
Livermore		2021	202105	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	171,842.10
Livermore		2021	202105	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(125.44)
Livermore		2021	202105	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	2,639.33
Livermore		2021	202105	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(152.90)
Livermore		2021	202105	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	5,114.48
Livermore		2021	202105	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(103.89)
Livermore		2021	202106	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	1,498.58
Livermore		2021	202106	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149310	(32.50)
Livermore		2021	202106	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	12,925.03
Livermore		2021	202106	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(187.11)
Livermore		2021	202106	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	166.06
Livermore		2021	202106	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	368.32
Livermore		2021	202106	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149310	(169.47)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2021	202106	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	152.90
Livermore		2021	202106	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	5,025.06
Livermore		2021	202106	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(548.79)
Livermore		2021	202106	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	548.79
Livermore		2021	202107	00120474	The Well@Sunset/ Concannon&Holmes	CWSCO Non-Spec Water Reg Contributn	103450	38,324.96
Livermore		2021	202107	00120474	The Well@Sunset/ Concannon&Holmes	CWSCO Non-Spec Water Reg Contributn	149310	8.91
Livermore		2021	202107	00121678	1850' 8" PVC/12" DI S. Livermore	CWSCO Main Replace Spcific (NON)	103435	51,719.99
Livermore		2021	202107	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	17,858.61
Livermore		2021	202107	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	56,946.32
Livermore		2021	202107	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(7.10)
Livermore		2021	202107	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	471.94
Livermore		2021	202107	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	12,161.81
Livermore		2021	202107	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(421.11)
Livermore		2021	202108	00098023	Replace panelboard @ LIV Sta 9	CWSCO Specific Water Regulated	103240	350,477.71
Livermore		2021	202108	00098023	Replace panelboard @ LIV Sta 9	CWSCO Specific Water Regulated	149310	2,479.17
Livermore		2021	202108	00098600	2017 LIV Control Valve Rplcmnt.	CWSCO Specific Water Regulated	103420	74,065.91
Livermore		2021	202108	00098600	2017 LIV Control Valve Rplcmnt.	CWSCO Specific Water Regulated	149310	507.42
Livermore		2021	202108	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	2,873.98
Livermore		2021	202108	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	559.98
Livermore		2021	202108	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	135.76
Livermore		2021	202108	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(263.79)
Livermore		2021	202108	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	423.40
Livermore		2021	202108	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(31.28)
Livermore		2021	202108	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	(25,628.12)
Livermore		2021	202108	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(21.32)
Livermore		2021	202108	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	1,211.31
Livermore		2021	202108	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	5,123.62
Livermore		2021	202108	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(160.15)
Livermore		2021	202109	00121492	LIV FH/PB Connections (PSPS)	CWSCO Specific Water Regulated	103240	39,353.84
Livermore		2021	202109	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	66,996.99
Livermore		2021	202109	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(111.15)
Livermore		2021	202109	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	28.42
Livermore		2021	202109	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	3,038.53
Livermore		2021	202109	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149310	(153.44)
Livermore		2021	202109	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	11,182.07
Livermore		2021	202109	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(874.12)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2021	202109	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	581.26
Livermore		2021	202110	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	103241	(164.40)
Livermore		2021	202110	00099171	Replace SCADA Software and Hardware	CWSCO Specific Water Regulated	149310	164.40
Livermore		2021	202110	00115817	2020 Vehicle Replacement Program	CWSCO Specific Water Regulated	103730	32,522.21
Livermore		2021	202110	00115817	2020 Vehicle Replacement Program	CWSCO Specific Water Regulated	103780	7,218.91
Livermore		2021	202110	00127159	Replace failed AC Unit	CWSCO Non-Spec Water Regulated	103710	10,231.79
Livermore		2021	202110	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	93.45
Livermore		2021	202110	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	379.37
Livermore		2021	202110	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	705.06
Livermore		2021	202110	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(7.10)
Livermore		2021	202110	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	4,674.04
Livermore		2021	202110	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	13,119.37
Livermore		2021	202110	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	93,426.27
Livermore		2021	202110	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(347.92)
Livermore		2021	202110	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	461.06
Livermore		2021	202110	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(28.42)
Livermore		2021	202110	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	8,073.83
Livermore		2021	202110	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(399.41)
Livermore		2021	202111	00114893	LIV 025-T2 - CP Upgrade	CWSCO Specific Water Regulated	103420	16,271.60
Livermore		2021	202111	00114893	LIV 025-T2 - CP Upgrade	CWSCO Specific Water Regulated	149310	(177.96)
Livermore		2021	202111	00127159	Replace failed AC Unit	CWSCO Non-Spec Water Regulated	103710	(15.90)
Livermore		2021	202111	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	42,528.43
Livermore		2021	202111	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(26.35)
Livermore		2021	202111	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	245,288.17
Livermore		2021	202111	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(89.56)
Livermore		2021	202111	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	11,330.64
Livermore		2021	202111	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(16.34)
Livermore		2021	202111	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	1,892.94
Livermore		2021	202111	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(97.75)
Livermore		2021	202112	00098023	Replace panelboard @ LIV Sta 9	CWSCO Specific Water Regulated	103240	242.84
Livermore		2021	202112	00098023	Replace panelboard @ LIV Sta 9	CWSCO Specific Water Regulated	149310	(18.00)
Livermore		2021	202112	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	(148,339.19)
Livermore		2021	202112	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(558.33)
Livermore		2021	202112	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	437.48
Livermore		2021	202112	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	851.59
Livermore		2021	202112	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(560.08)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2021	202112	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	497.16

2,829,359.34

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2022	202201	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	3,714.08
Livermore		2022	202201	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103433	7,298.77
Livermore		2022	202201	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	34,089.08
Livermore		2022	202201	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	7,843.29
Livermore		2022	202201	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	7,363.60
Livermore		2022	202201	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	25,651.65
Livermore		2022	202201	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	201,788.11
Livermore		2022	202201	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(81.81)
Livermore		2022	202201	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	12,763.29
Livermore		2022	202201	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(157.34)
Livermore		2022	202202	00001137	CHARMONT CT. TRACT 7404	CWSCO Non-Spec Water Reg Extension	103436	19,422.00
Livermore		2022	202202	00001137	CHARMONT CT. TRACT 7404	CWSCO Non-Spec Water Reg Extension	103450	1,872.01
Livermore		2022	202202	00001137	CHARMONT CT. TRACT 7404	CWSCO Non-Spec Water Reg Extension	103480	3,421.99
Livermore		2022	202202	00117366	LIV 13 Generator	CWSCO Specific Water Regulated	103240	282,339.97
Livermore		2022	202202	00117366	LIV 13 Generator	CWSCO Specific Water Regulated	149310	(262.32)
Livermore		2022	202202	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	(2,915.00)
Livermore		2022	202202	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103433	(5,728.47)
Livermore		2022	202202	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	(26,754.99)
Livermore		2022	202202	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	(6,155.85)
Livermore		2022	202202	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	(5,779.36)
Livermore		2022	202202	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	(18,541.22)
Livermore		2022	202202	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(26.76)
Livermore		2022	202202	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	(78,648.01)
Livermore		2022	202202	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(52.94)
Livermore		2022	202202	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	(7,958.97)
Livermore		2022	202202	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(59.33)
Livermore		2022	202202	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	6,807.58
Livermore		2022	202202	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(325.04)
Livermore		2022	202203	00116408	LIV 2020 Analyzer Replacements			29,779.26
Livermore		2022	202203	00126506	4260 1st St	CWSCO Non-Spec Water Reg Contributn	103450	74,250.43
Livermore		2022	202203	00126506	4260 1st St	CWSCO Non-Spec Water Reg Contributn	149310	(85.82)
Livermore		2022	202203	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	86,948.76
Livermore		2022	202203	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(269.51)
Livermore		2022	202203	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	134.75
Livermore		2022	202203	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,341.30
Livermore		2022	202203	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(405.40)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2022	202203	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	325.04
Livermore		2022	202204	00127975	LIV 013-T2 CP Rectifier Replacement	CWSCO Non-Spec Water Regulated	103420	8,517.17
Livermore		2022	202204	00127975	LIV 013-T2 CP Rectifier Replacement	CWSCO Non-Spec Water Regulated	149310	(43.14)
Livermore		2022	202204	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	2,734.54
Livermore		2022	202204	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	2,678.55
Livermore		2022	202204	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(35.16)
Livermore		2022	202204	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	5,460.77
Livermore		2022	202204	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	3,906.84
Livermore		2022	202204	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(85.38)
Livermore		2022	202204	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	3,969.86
Livermore		2022	202204	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(298.31)
Livermore		2022	202204	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,425.65
Livermore		2022	202204	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(239.07)
Livermore		2022	202205	00115385	LIV 024-01 Replace Pump and Motor	CWSCO Specific Water Regulated	103240	3,060.00
Livermore		2022	202205	00126985	Install 1" Irrigation Service	CWSCO Non-Spec Water Reg Contributn	103450	25,344.53
Livermore		2022	202205	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	704.19
Livermore		2022	202205	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	(484.99)
Livermore		2022	202205	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	8,423.04
Livermore		2022	202205	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(90.40)
Livermore		2022	202205	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	2,406.69
Livermore		2022	202205	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(164.00)
Livermore		2022	202205	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	3,083.42
Livermore		2022	202205	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(145.64)
Livermore		2022	202206	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	103210	719,204.82
Livermore		2022	202206	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	103240	1,423,450.17
Livermore		2022	202206	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	149310	1,040.89
Livermore		2022	202206	00098868	Flow meter Zone 7 TO #VI	CWSCO Specific Water Regulated	103240	53,810.28
Livermore		2022	202206	00098868	Flow meter Zone 7 TO #VI	CWSCO Specific Water Regulated	149310	(988.84)
Livermore		2022	202206	00115686	2019 Control Valve Overhaul -110	CWSCO Specific Water Regulated	103420	7,781.29
Livermore		2022	202206	00115686	2019 Control Valve Overhaul -110	CWSCO Specific Water Regulated	149310	35.57
Livermore		2022	202206	00121001	6" Fire Service 2186 Las Positas Ct	CWSCO Non-Spec Water Regulated	103450	17,587.53
Livermore		2022	202206	00121001	6" Fire Service 2186 Las Positas Ct	CWSCO Non-Spec Water Regulated	149310	99.80
Livermore		2022	202206	00127259	LIV 010-T2 & 011-T3 Railing Retro	CWSCO Non-Spec Water Regulated	103420	11,064.98
Livermore		2022	202206	00127259	LIV 010-T2 & 011-T3 Railing Retro	CWSCO Non-Spec Water Regulated	149310	(227.11)
Livermore		2022	202206	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	286,437.53
Livermore		2022	202206	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(326.99)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2022	202206	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	175.78
Livermore		2022	202206	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	1,222.91
Livermore		2022	202206	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(505.24)
Livermore		2022	202206	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	384.71
Livermore		2022	202207	00116407	LIV 2019 Anayzer Replacement	CWSCO Specific Water Regulated	103320	59,269.68
Livermore		2022	202207	00122938	Install ATS LIV 010	CWSCO Non-Spec Water Regulated	103240	95,063.35
Livermore		2022	202207	00122938	Install ATS LIV 010	CWSCO Non-Spec Water Regulated	149310	(48.40)
Livermore		2022	202207	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	19,819.89
Livermore		2022	202207	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	65,793.31
Livermore		2022	202207	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(1,676.12)
Livermore		2022	202207	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	2,936.24
Livermore		2022	202207	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(230.09)
Livermore		2022	202207	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,191.50
Livermore		2022	202207	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(186.50)
Livermore		2022	202208	00115922	LIV 2019 Control Valve Replacement	CWSCO Specific Water Regulated	103240	34,275.19
Livermore		2022	202208	00115922	LIV 2019 Control Valve Replacement	CWSCO Specific Water Regulated	149310	83.72
Livermore		2022	202208	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	715.89
Livermore		2022	202208	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(11.70)
Livermore		2022	202208	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	13,438.81
Livermore		2022	202208	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(205.26)
Livermore		2022	202208	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	29,373.37
Livermore		2022	202208	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(1,932.94)
Livermore		2022	202208	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	549.41
Livermore		2022	202208	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(8.98)
Livermore		2022	202208	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,765.26
Livermore		2022	202208	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(174.20)
Livermore		2022	202209	00115381	LIV 031-01 Replace Pump and Motor	CWSCO Specific Water Regulated	103240	155,504.92
Livermore		2022	202209	00115381	LIV 031-01 Replace Pump and Motor	CWSCO Specific Water Regulated	149310	(2,149.41)
Livermore		2022	202209	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	103410	271,856.09
Livermore		2022	202209	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	103411	30,892.76
Livermore		2022	202209	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	103420	690,296.18
Livermore		2022	202209	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	149310	(2,352.08)
Livermore		2022	202209	00116409	LIV 2021 Analyzer Replacements	CWSCO Specific Water Regulated	103320	48,866.05
Livermore		2022	202209	00116409	LIV 2021 Analyzer Replacements	CWSCO Specific Water Regulated	149310	(1,158.11)
Livermore		2022	202209	00120940	2019 Slurry Seal Project - CIP No.	CWSCO Non-Spec Water Regulated	103434	66,445.86
Livermore		2022	202209	00120940	2019 Slurry Seal Project - CIP No.	CWSCO Non-Spec Water Regulated	149310	6.80

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2022	202209	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	160,067.59
Livermore		2022	202209	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(5,548.25)
Livermore		2022	202209	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	3,609.06
Livermore		2022	202209	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	7,906.23
Livermore		2022	202209	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(769.91)
Livermore		2022	202209	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	360.70
Livermore		2022	202210	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	103210	4,699.43
Livermore		2022	202210	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	149310	(110.92)
Livermore		2022	202210	00126637	Station 23 RCS Sensor Replacement	CWSCO Non-Spec Water Regulated	103320	5,853.16
Livermore		2022	202210	00126637	Station 23 RCS Sensor Replacement	CWSCO Non-Spec Water Regulated	149310	(13.94)
Livermore		2022	202210	00127207	Station 4 Fence Replacement	CWSCO Non-Spec Water Regulated	103210	2,894.26
Livermore		2022	202210	00127207	Station 4 Fence Replacement	CWSCO Non-Spec Water Regulated	149310	(46.87)
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	149.89
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103433	92.00
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	1,104.01
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	120.32
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	92.83
Livermore		2022	202210	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(25.48)
Livermore		2022	202210	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	363.43
Livermore		2022	202210	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	149316	(5.94)
Livermore		2022	202210	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	11,076.47
Livermore		2022	202210	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(188.86)
Livermore		2022	202210	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	194,504.55
Livermore		2022	202210	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(3,039.72)
Livermore		2022	202210	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	10,159.33
Livermore		2022	202210	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(521.64)
Livermore		2022	202210	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	8,834.75
Livermore		2022	202210	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(787.12)
Livermore		2022	202211	00122499	Install 8" Fire Service for C.O.L.	CWSCO Non-Spec Water Reg Contributn	103450	67,117.89
Livermore		2022	202211	00127251	LIV 28-A Pump and Motor Replacement	CWSCO Non-Spec Water Regulated	103240	66,201.63
Livermore		2022	202211	00127251	LIV 28-A Pump and Motor Replacement	CWSCO Non-Spec Water Regulated	149310	(869.45)
Livermore		2022	202211	00128021	Hach SL1000 Analyzer Portable	CWSCO Non-Spec Water Reg Equipment	103780	16,153.04
Livermore		2022	202211	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	(457.01)
Livermore		2022	202211	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	160,574.97
Livermore		2022	202211	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(2,391.48)
Livermore		2022	202211	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	9,854.29

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2022	202211	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(682.61)
Livermore		2022	202211	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	17,303.38
Livermore		2022	202211	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(1,073.31)
Livermore		2022	202212	00115381	LIV 031-01 Replace Pump and Motor	CWSCO Specific Water Regulated	103240	3.89
Livermore		2022	202212	00115381	LIV 031-01 Replace Pump and Motor	CWSCO Specific Water Regulated	149310	(0.44)
Livermore		2022	202212	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	103411	7.75
Livermore		2022	202212	00115985	Replace Redwood Tank at LIV STA 13	CWSCO Specific Water Regulated	149310	(0.89)
Livermore		2022	202212	00127735	LIV 9-01 Motor Replacement	CWSCO Non-Spec Water Regulated	103240	21,273.51
Livermore		2022	202212	00127735	LIV 9-01 Motor Replacement	CWSCO Non-Spec Water Regulated	149310	(581.05)
Livermore		2022	202212	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	21,468.65
Livermore		2022	202212	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(7,625.72)
Livermore		2022	202212	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	5,431.20
Livermore		2022	202212	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	4,904.93
Livermore		2022	202212	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(2,292.56)
Livermore		2022	202212	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	1,860.43

5,602,344.95

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2023	202301	00129789	14" cutoff saw replacement	CWSCO Non-Spec Water Reg Equipment	103780	1,402.85
Livermore		2023	202301	00129789	14" cutoff saw replacement	CWSCO Non-Spec Water Reg Equipment	149310	(26.98)
Livermore		2023	202301	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103435	3,066.44
Livermore		2023	202301	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103436	415.50
Livermore		2023	202301	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(318.93)
Livermore		2023	202301	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	14,795.35
Livermore		2023	202301	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(197.75)
Livermore		2023	202301	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	124,516.82
Livermore		2023	202301	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(504.47)
Livermore		2023	202301	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	15,215.21
Livermore		2023	202301	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(976.72)
Livermore		2023	202301	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	11,217.67
Livermore		2023	202301	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(625.24)
Livermore		2023	202302	00127251	LIV 28-A Pump and Motor Replacement	CWSCO Non-Spec Water Regulated	103240	10,408.70
Livermore		2023	202302	00127251	LIV 28-A Pump and Motor Replacement	CWSCO Non-Spec Water Regulated	149310	(170.63)
Livermore		2023	202302	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	1,559.05
Livermore		2023	202302	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(25.48)
Livermore		2023	202302	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	8,348.29
Livermore		2023	202302	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(93.27)
Livermore		2023	202302	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	133,484.56
Livermore		2023	202302	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(3,180.82)
Livermore		2023	202302	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	4,228.22
Livermore		2023	202302	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(444.86)
Livermore		2023	202302	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	10,602.26
Livermore		2023	202302	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(853.69)
Livermore		2023	202303	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	103240	19.37
Livermore		2023	202303	00097722	Sta. 18 Booster Modification	CWSCO Specific Water Regulated	149310	(2.20)
Livermore		2023	202303	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	96,435.71
Livermore		2023	202303	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(7,070.64)
Livermore		2023	202303	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	3,685.29
Livermore		2023	202303	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	24,048.21
Livermore		2023	202303	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(3,559.53)
Livermore		2023	202303	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	1,478.93
Livermore		2023	202304	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103432	3,221.50
Livermore		2023	202304	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(52.65)
Livermore		2023	202304	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	31,046.96

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2023	202304	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(597.58)
Livermore		2023	202304	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	34,916.73
Livermore		2023	202304	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149316	(570.70)
Livermore		2023	202304	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	113,038.15
Livermore		2023	202304	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(2,142.50)
Livermore		2023	202304	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	3,138.27
Livermore		2023	202304	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(361.98)
Livermore		2023	202304	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	22,613.41
Livermore		2023	202304	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(2,405.10)
Livermore		2023	202305	00115818	2021 Vehicle Replacement Program	CWSCO Specific Water Regulated	103730	89,146.85
Livermore		2023	202305	00115818	2021 Vehicle Replacement Program	CWSCO Specific Water Regulated	103780	6,999.59
Livermore		2023	202305	00124744	Station 10 RCS Controllers	CWSCO Non-Spec Water Regulated	103320	20,520.12
Livermore		2023	202305	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	151.28
Livermore		2023	202305	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	149316	(2.48)
Livermore		2023	202305	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	(908.37)
Livermore		2023	202305	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	155,796.12
Livermore		2023	202305	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(2,753.25)
Livermore		2023	202305	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	1,456.48
Livermore		2023	202305	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(128.47)
Livermore		2023	202305	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	15,760.83
Livermore		2023	202305	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(660.81)
Livermore		2023	202306	00114282	LIV Nitrification Study	CWSCO Specific Water Regulated	103030	21,328.65
Livermore		2023	202306	00114282	LIV Nitrification Study	CWSCO Specific Water Regulated	149310	(208.20)
Livermore		2023	202306	00117039	LIV 2019 Physical Security Upgrades	CWSCO Specific Water Regulated	103410	244,413.00
Livermore		2023	202306	00117039	LIV 2019 Physical Security Upgrades	CWSCO Specific Water Regulated	103420	45,675.46
Livermore		2023	202306	00117039	LIV 2019 Physical Security Upgrades	CWSCO Specific Water Regulated	103710	34,278.21
Livermore		2023	202306	00117039	LIV 2019 Physical Security Upgrades	CWSCO Specific Water Regulated	103720	19,645.93
Livermore		2023	202306	00117039	LIV 2019 Physical Security Upgrades	CWSCO Specific Water Regulated	149310	(2,368.84)
Livermore		2023	202306	00129702	various equipment 2022	CWSCO Non-Spec Water Reg Equipment	103780	26,199.46
Livermore		2023	202306	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	94,546.37
Livermore		2023	202306	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(5,942.68)
Livermore		2023	202306	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	4,895.75
Livermore		2023	202306	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,393.96
Livermore		2023	202306	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(3,199.25)
Livermore		2023	202306	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	3,065.91
Livermore		2023	202307	00117364	LIV 8 Generator	CWSCO Specific Water Regulated	103240	559,706.16

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2023	202307	00117364	LIV 8 Generator	CWSCO Specific Water Regulated	149310	(7,024.41)
Livermore		2023	202307	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	9,119.44
Livermore		2023	202307	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	149316	(149.06)
Livermore		2023	202307	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	12,412.38
Livermore		2023	202307	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(115.90)
Livermore		2023	202307	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	776.62
Livermore		2023	202307	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	160,875.96
Livermore		2023	202307	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(59.91)
Livermore		2023	202307	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103436	599.16
Livermore		2023	202307	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	8,556.08
Livermore		2023	202307	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(258.39)
Livermore		2023	202307	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	986.03
Livermore		2023	202307	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(111.49)
Livermore		2023	202308	00116971	Chestnut Square Townhouses	CWSCO Non-Spec Water Reg Extension	103434	116,997.32
Livermore		2023	202308	00116971	Chestnut Square Townhouses	CWSCO Non-Spec Water Reg Extension	103436	179,054.57
Livermore		2023	202308	00116971	Chestnut Square Townhouses	CWSCO Non-Spec Water Reg Extension	103450	97,425.70
Livermore		2023	202308	00116971	Chestnut Square Townhouses	CWSCO Non-Spec Water Reg Extension	103480	19,462.06
Livermore		2023	202308	00116971	Chestnut Square Townhouses	CWSCO Non-Spec Water Reg Extension	149310	(1,057.65)
Livermore		2023	202308	00123339	LIV 029-T1 - CP Upgrade	CWSCO Specific Water Regulated	103420	19,511.27
Livermore		2023	202308	00123339	LIV 029-T1 - CP Upgrade	CWSCO Specific Water Regulated	149310	(370.26)
Livermore		2023	202308	00123505	LIV Wildfire PBC 690/760 Zone	CWSCO Specific Water Regulated	103434	17,065.98
Livermore		2023	202308	00123505	LIV Wildfire PBC 690/760 Zone	CWSCO Specific Water Regulated	103435	71,973.26
Livermore		2023	202308	00123505	LIV Wildfire PBC 690/760 Zone	CWSCO Specific Water Regulated	103480	31,197.31
Livermore		2023	202308	00123505	LIV Wildfire PBC 690/760 Zone	CWSCO Specific Water Regulated	149310	(3,542.61)
Livermore		2023	202308	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	2,547.38
Livermore		2023	202308	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(314.25)
Livermore		2023	202308	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	48,394.95
Livermore		2023	202308	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	388.49
Livermore		2023	202308	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149316	(47.92)
Livermore		2023	202308	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	65,693.75
Livermore		2023	202308	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(188.82)
Livermore		2023	202308	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	459.59
Livermore		2023	202308	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,852.04
Livermore		2023	202308	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(84.58)
Livermore		2023	202309	00130005	Station 19 Nitrate Analyzer	CWSCO Non-Spec Water Regulated	103320	23,474.25
Livermore		2023	202309	00130005	Station 19 Nitrate Analyzer	CWSCO Non-Spec Water Regulated	149310	(418.07)

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2023	202309	00131116	Purchase Chem transfer pump	CWSCO Non-Spec Water Reg Equipment	103780	1,519.02
Livermore		2023	202309	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103436	(599.16)
Livermore		2023	202309	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	1,670.53
Livermore		2023	202309	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149310	(4,371.59)
Livermore		2023	202309	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	4,337.48
Livermore		2023	202309	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	7,335.13
Livermore		2023	202309	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(729.92)
Livermore		2023	202309	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	196.07
Livermore		2023	202310	00117040	LIV 2020 Physical Security Upgrades	CWSCO Specific Water Regulated	103210	152,464.72
Livermore		2023	202310	00117040	LIV 2020 Physical Security Upgrades	CWSCO Specific Water Regulated	103410	89,799.60
Livermore		2023	202310	00117040	LIV 2020 Physical Security Upgrades	CWSCO Specific Water Regulated	103420	91,821.28
Livermore		2023	202310	00117040	LIV 2020 Physical Security Upgrades	CWSCO Specific Water Regulated	149310	(4,442.39)
Livermore		2023	202310	00117041	LIV 2021 Physical Security Upgrades	CWSCO Specific Water Regulated	103210	47,866.66
Livermore		2023	202310	00117041	LIV 2021 Physical Security Upgrades	CWSCO Specific Water Regulated	103410	53,002.17
Livermore		2023	202310	00117041	LIV 2021 Physical Security Upgrades	CWSCO Specific Water Regulated	103420	42,182.40
Livermore		2023	202310	00117041	LIV 2021 Physical Security Upgrades	CWSCO Specific Water Regulated	103710	107,791.23
Livermore		2023	202310	00117041	LIV 2021 Physical Security Upgrades	CWSCO Specific Water Regulated	149310	(7,501.36)
Livermore		2023	202310	00117433	LIV 2020 Flowmeter Replacements	CWSCO Specific Water Regulated	103240	167,523.66
Livermore		2023	202310	00117433	LIV 2020 Flowmeter Replacements	CWSCO Specific Water Regulated	149310	(3,006.47)
Livermore		2023	202310	00130533	8" Fire Service for L St. Garage	CWSCO Non-Spec Water Reg Contributn	103450	27,025.62
Livermore		2023	202310	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	103434	1,815.43
Livermore		2023	202310	LIV0500	LIV Unsch Main Replacements	CWSCO Specific Water Regulated	149316	(223.95)
Livermore		2023	202310	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	13,528.03
Livermore		2023	202310	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	149316	(489.67)
Livermore		2023	202310	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	19,057.10
Livermore		2023	202310	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(130.50)
Livermore		2023	202310	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	33,798.73
Livermore		2023	202310	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	149316	(278.81)
Livermore		2023	202310	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	199,715.97
Livermore		2023	202310	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(1,466.47)
Livermore		2023	202310	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	94.64
Livermore		2023	202310	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(12.39)
Livermore		2023	202310	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,236.34
Livermore		2023	202310	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(216.48)
Livermore		2023	202311	00129017	2429' 12" DI Wagner Dr & Elaine	CWSCO Main Replace Spcific (NON)	103435	2,082,205.09
Livermore		2023	202311	00129017	2429' 12" DI Wagner Dr & Elaine	CWSCO Main Replace Spcific (NON)	103450	326,845.62

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
Livermore		2023	202311	00129017	2429' 12" DI Wagner Dr & Elaine	CWSCO Main Replace Spcific (NON)	103480	98,158.12
Livermore		2023	202311	00129017	2429' 12" DI Wagner Dr & Elaine	CWSCO Main Replace Spcific (NON)	149310	(36,531.27)
Livermore		2023	202311	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	103434	4,977.63
Livermore		2023	202311	LIV0520	LIV Unsch Valve Casing & Cover Repl	CWSCO Specific Water Regulated	149316	(54.73)
Livermore		2023	202311	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	103480	34,270.02
Livermore		2023	202311	LIV0530	LIV Unsch Hydrant Replacements	CWSCO Specific Water Regulated	149316	(173.14)
Livermore		2023	202311	LIV0540	LIV Unsch Main Valve Replacements	CWSCO Specific Water Regulated	103434	14,907.11
Livermore		2023	202311	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	113,572.60
Livermore		2023	202311	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	(727.24)
Livermore		2023	202311	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	103460	352.94
Livermore		2023	202311	LIV0800	INSTALL / RETIRE METERS	CWSCO Specific Water Regulated	149316	(16.38)
Livermore		2023	202311	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	7,023.48
Livermore		2023	202311	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	(259.99)
Livermore		2023	202312	00117364	LIV 8 Generator	CWSCO Specific Water Regulated	103240	7,713.96
Livermore		2023	202312	00117364	LIV 8 Generator	CWSCO Specific Water Regulated	149310	(238.08)
Livermore		2023	202312	00119081	2600' 6" PVC in Locust	CWSCO Main Replace Spcific (NON)	103435	3,362,322.65
Livermore		2023	202312	00119081	2600' 6" PVC in Locust	CWSCO Main Replace Spcific (NON)	103480	97,153.76
Livermore		2023	202312	00119081	2600' 6" PVC in Locust	CWSCO Main Replace Spcific (NON)	149310	(49,671.77)
Livermore		2023	202312	00124730	805' 6" & 8" PVC in 2nd St	CWSCO Main Replace Spcific (NON)	103435	1,124,601.03
Livermore		2023	202312	00124730	805' 6" & 8" PVC in 2nd St	CWSCO Main Replace Spcific (NON)	103450	263,492.55
Livermore		2023	202312	00124730	805' 6" & 8" PVC in 2nd St	CWSCO Main Replace Spcific (NON)	149310	(30,287.85)
Livermore		2023	202312	00124736	2390' 8" PVC Park St	CWSCO Main Replace Spcific (NON)	103435	54,717.21
Livermore		2023	202312	00124736	2390' 8" PVC Park St	CWSCO Main Replace Spcific (NON)	103436	1,396,173.07
Livermore		2023	202312	00124736	2390' 8" PVC Park St	CWSCO Main Replace Spcific (NON)	103450	728,637.03
Livermore		2023	202312	00124736	2390' 8" PVC Park St	CWSCO Main Replace Spcific (NON)	103480	58,456.78
Livermore		2023	202312	00124736	2390' 8" PVC Park St	CWSCO Main Replace Spcific (NON)	149310	(54,422.01)
Livermore		2023	202312	00127970	Rule 15-D Fire Main Ext Starbucks	CWSCO Non-Spec Water Reg Contributn	103436	55,590.97
Livermore		2023	202312	00127970	Rule 15-D Fire Main Ext Starbucks	CWSCO Non-Spec Water Reg Contributn	103450	7,897.00
Livermore		2023	202312	00127970	Rule 15-D Fire Main Ext Starbucks	CWSCO Non-Spec Water Reg Contributn	103480	4,640.00
Livermore		2023	202312	00127970	Rule 15-D Fire Main Ext Starbucks	CWSCO Non-Spec Water Reg Contributn	149310	(1,031.97)
Livermore		2023	202312	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	103450	138,743.03
Livermore		2023	202312	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149310	(3,575.85)
Livermore		2023	202312	LIV0600	SERVICES -- ALL SIZES	CWSCO Specific Water Regulated	149316	2,442.44
Livermore		2023	202312	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	103460	2,591.03
Livermore		2023	202312	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149310	(777.61)
Livermore		2023	202312	LIV0900	Meter Replacement Program	CWSCO Specific Water Regulated	149316	476.47

Plant Additions for Last 5 Recorded Years

District	Sub-Area	Year	Month Number	Work Order Number	Work Order Description	Work Order Type	UPIS Account	Actual Cost
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13,706,116.13

CHAPTER 13

BEGINNING PLANT BALANCE COST JUSTIFICATIONS

Livermore

Specific Beginning Plant Balance Analysis Summary Table¹

Project ID	Description	2021 GRC Authorized	Total Close	Overage
00097722	Sta. 18 Booster Modification	\$1,125,374	\$2,148,302	\$1,022,928
00115985	Replace Redwood Tank at LIV STA 13	\$668,957	\$990,700	\$321,742

1. Please refer to Testimony Book #1, Chapter 7 for the definition of "specific beginning plant balances" and the criteria used to develop additional justifications.

Livermore, PID#097722, Sta. 18 Booster Modification

Beginning Plant Balance Specific Project

Over Budget

Project Justification and Update

- 1. Explain why the costs for this project exceeded the approved GRC budget (If Applicable):**

The primary reason for the project budget exceedance is due to higher than estimated construction costs. The higher construction cost is mainly attributable to the impacts in construction due to Covid 19, higher material costs related supply chain issues, and general rising construction costs,

- 2. Summarize the main issues caused delay in completion of this project (If Applicable):**

The project scope was to install two new turbine booster pumps in acoustical shelters outside the existing building and install associated station piping to mitigate existing negative suction pressure problems at Station 18. The existing inefficient pumps do not provide adequate water to the northern part of Zone 690 during high demand months.

The project was delayed because Cal Water was unable to take the station offline as it played a critical role in providing supply to Zone 690. In addition, Station 22, another critical station for Zone 690, was undergoing station upgrades at the time which further constrained when LIV STA 18 booster modifications could be completed.

Livermore, PID#115985, Replace Redwood Tank at STA 13

Beginning Plant Balance Specific Project

Over Budget

Project Justification and Update

1. Explain why the costs for this project exceeded the approved GRC budget (If Applicable):

The project budget exceedance was primarily due to an increase in construction costs. The significant and persistent year-over-year escalation of costs for equipment and labor impacted this project's overall cost. Material costs for the EBAA Flex-Tend connection increased, as well as labor costs for project management due to the use of a consultant; construction management; and special inspections. Additional costs were required for surveying, lead abatement and existing tank demolition. Construction costs were also significantly higher than expected driven by market conditions as supported by the multiple aligned competitive bids received on this project. The hourly labor rate was also listed incorrectly in the project budget.

2. Summarize the key issues caused delay in completion of this project (If Applicable):

The City Site Design Review Permit application process required three months for approval and the City Demolition and Building Permit application process required another two months for approval. Construction could not start until the permits were received.