

RESOLUTION NO. 2023-29

A RESOLUTION ADOPTING THE CARMEL AREA WASTEWATER DISTRICT  
(CAWD)/PEBBLE BEACH COMMUNITY SERVICE DISTRICT (PBCSD)  
FISCAL YEAR 2023-2024 RECLAMATION PROJECT BUDGET

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WHEREAS, the attached CAWD/PBCSD Reclamation Project Fiscal Year 2023-2024 Budget was approved at the Technical Advisory Committee group level and final approval was given by the Reclamation Management Committee (RMC) at its May 9, 2023 meeting; and

WHEREAS, items approved by the RMC are brought to the CAWD or PBCSD Board, as appropriate, for approval and any applicable resolution.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District that it does hereby adopt the attached CAWD/PBCSD Reclamation Project Fiscal Year 2023-2024 Budget.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on May 25, 2023, by the following vote:

AYES:

BOARD MEMBERS: PRESIDENT WHITE, DIRECTORS: D'AMBROSIO, RACHEL,  
SIEGFRIED AND URQUHART

NOES: BOARD MEMBERS:


ABSENT: BOARD MEMBERS:

ABSTAIN: BOARD MEMBERS:



Ken White, President of the Board

ATTEST:



Domine Barringer, Secretary of the Board

CAWD/PBCSD RECLAMATION  
PROJECT

2023-24 BUDGET

Reviewed by Technical Advisory Committee (TAC) on May 2, 2023  
Presented to Reclamation Management Committee (RMC) on May 9, 2023

CAWD/PBCSD Reclamation Project  
2023-24

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**CAWD/PBCSD RECLAMATION PROJECT  
2023-24 BUDGET SUMMARY**

	Actual 2021-22	Estimated Actual 2022-23	2022-23 Budget	Proposed 2023-24 Budget	Inc/(Dec) Proj.Actual 2023-24	Proposed to Budget 22-23
<b>User Revenue</b>						
Water Sales	3,108,609	3,067,000	3,421,188	3,314,586	8.07%	-3.12%
Non Operating Share	4,116,000	4,057,000	4,057,756	1,420,215	-64.99%	-65.00%
<b>Operating Expenses</b>						
Plant Operating Expenses	2,148,490	2,154,627	2,535,195	2,388,312	10.85%	-5.79%
PBCSD Expenses	512,914	478,537	580,000	600,000	25.38%	3.45%
CAWD Admin. Expenses	114,599	116,561	111,798	113,681	-2.47%	1.68%
MPWMD Admin. Expenses	60,350	52,398	61,520	73,760	40.77%	19.90%
PBCo / IRWUG Expenses	52,265	54,888	55,926	57,084	4.00%	2.07%
Potable Water Costs	4,980	68,662	6,750	6,750	-90.17%	0.00%
MPWMD fee	77,184	70,000	70,000	75,000	7.14%	7.14%
	<u>2,970,783</u>	<u>2,995,673</u>	<u>3,421,189</u>	<u>3,314,586</u>	<u>10.65%</u>	<u>-3.12%</u>
<b>Operating Income/(Loss) before Amortization</b>	<u>4,253,826</u>	<u>4,128,327</u>	<u>4,057,755</u>	<u>1,420,215</u>	<u>-65.60%</u>	<u>-65.00%</u>
<b>Non Operating Revenues/(Expenses)</b>						
Interest Income	(13,962)	(4,220)	25,015	20,170	-577.94%	-19.37%
Bond Carrying Costs	(15,467)	(20,000)	(20,000)	0	-100.00%	-100.00%
Bank charges	(10)	0	(35)	(35)	n/a	0.00%
Interest to MPWMD	(5,083)	0	0	0	n/a	n/a
Principal Pymt to MPWMD	0	0	0	0	n/a	n/a
LC Carrying Costs	(26,504)	(26,650)	(24,000)	0	-100.00%	-100.00%
COP Interest Expense	(5,957)	(2,708)	(13,000)	0	-100.00%	-100.00%
COP Principal Payment	(2,500,000)	(2,600,000)	(2,600,000)	0	-100.00%	-100.00%
Interest on Principal Advanced	(44,931)	(61,515)	(35,880)	0	-100.00%	-100.00%
Past LC fees/Bond Carry Cost	(552,000)	(552,000)	(552,000)	0	-100.00%	-100.00%
Other Revenue/(Expense)	0	0	0	0	n/a	n/a
	<u>(3,163,916)</u>	<u>(3,267,093)</u>	<u>(3,219,900)</u>	<u>20,135</u>	<u>-100.62%</u>	<u>-100.63%</u>
<b>Income/(Loss) before Capital</b>	<u>1,089,910</u>	<u>861,234</u>	<u>837,855</u>	<u>1,440,350</u>	<u>67.24%</u>	<u>71.91%</u>
<b>Capital Budget</b>						
Purchases	115,000	46,887	237,300	65,350	39.38%	-72.46%
Improvement Projects	379,453	1,180,050	1,220,556	550,000	-53.39%	-54.94%
Addition to Reserves	0	0	0	825,000		
	<u>494,453</u>	<u>1,226,937</u>	<u>1,457,856</u>	<u>1,440,350</u>	<u>17.39%</u>	<u>-1.20%</u>
<b>Net Income/(Loss)</b>	<u>595,457</u>	<u>(365,703)</u>	<u>(620,001)</u>	<u>0</u>	<u>-100.00%</u>	<u>-100.00%</u>
Unbudgeted Capital		29,215				
Less Unspent Capital		367,000	620,000	0		
Less Excess O&M Contributions				0		
<b>Balanced Net Income</b>	<u>595,457</u>	<u>30,512</u>	<u>(1)</u>	<u>0</u>	<u>-100.00%</u>	<u>n/a</u>
<b>Amortization Exp</b>	<u>1,748,879</u>	<u>1,700,000</u>	<u>1,700,000</u>	<u>1,750,000</u>	<u>2.94%</u>	<u>2.94%</u>

**CAWD/PBCSD RECLAMATION PROJECT  
REVENUE PROJECTIONS  
FY 2023-24**

Description	Acct. No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Comments
Revenue						
Interest Income - County	99906	8	12	15	40	O&M operating funds are on deposit with the County of Monte
Interest Income - Bank of America	99904	0	7	0	40	Water sales revenue funds are invested in money market acc
Interest Income- (O&M Reserve & Cap Repl)	99908	6,482	4,188	10,000	10,000	Renewal & replacement funds invested in highly rated comm'l
Gain (loss) on Securities	99936	(20,452)	(8,427)	15,000	10,000	
Interest Income - Union Bank (O&M)	99910	0	0	0	75	
Interest Income - Wells Fargo Escrow Acct	99912	0	0	0	15	
Other Revenue	99945	0	0	0	0	
Water Sales (inc. late pmts)	52000	3,108,609	3,067,000	3,421,188	3,314,586	See schedule p. 17
Fixed Cost Charge	52100	4,116,000	4,057,000	4,057,756	1,420,215	Increase due to resumption of Districts User Fee on Cal-Am bills
MPWMD fees (8.325%)	99997	(77,184)	(70,000)	(70,000)	(75,000)	
<b>TOTAL REVENUE</b>		<b>7,133,462</b>	<b>7,049,780</b>	<b>7,433,959</b>	<b>4,679,971</b>	<b>57.4% increase from 22-23 budget</b> <b>48.8% increase from 22-23 Projected actual</b>

Note 1: The origin of the 8.325% charge is based on the premise that all users of water provided by the Reclamation Project will pay the exact same cost as they would pay for a similar quantity of potable water. The specific provision related to the MPWMD User Fee is contained in Section 5, Bond Carrying Costs, Operation and Maintenance Expenses and Operating Revenues, of the Financing Implementation Agreement Relating to Wastewater Reclamation Project dated Dec 1, 1992.

**CAWD/PBCSD Reclamation Project  
Operations and Maintenance Budget  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Proposed to Prior Yr Actual	Comments/Notes
<b>PLANT OPERATING EXPENSES:</b>							
Plant Salaries, Benefits & Overhead							
Plant Superintendent	61100	18,534	20,411	19,655	18,031	-11.7%	From CAWD O&M Recl 23-24
Laboratory Supervisor	61200	21,937	26,552	25,392	26,469	-0.3%	
Laboratory Technicians	61300	66,387	61,782	79,635	74,833	21.1%	
Plant Operators	61400	183,830	177,680	213,818	205,743	15.8%	
Maintenance Supervisor	61450	16,414	14,530	20,589	17,678	21.7%	
Maintenance Mechanics	61500	26,347	26,656	32,815	26,587	-0.3%	
Plant Engineer	61600	26,107	38,112	17,338	14,032	-63.2%	
Safety Officer	61700	12,247	10,829	13,906	14,163	30.8%	
Differential PR	62000	16,547	17,351	19,576	19,247	10.9%	
Payroll Taxes, Benefits & Indirect Overhead	62100	190,598	196,951	221,362	201,375	2.2%	
<b>TOTAL PLANT SALARIES</b>		<b>578,947</b>	<b>590,853</b>	<b>664,086</b>	<b>618,158</b>	<b>4.6%</b>	<b>COLA 6.0%</b>
<b>Energy Cost</b>							
Tertiary Operations	63300	205,414	188,483	278,598	278,598	47.8%	plus/minus due to weather conditions and storage levels
MF/RO Pad	63400	248,106	211,738	295,648	295,648	39.6%	Budget estimate assumes operational 12 mos. and does not account for rain or shut downs
Secondary Costs - EQ Basin PD Blower	63500	139,714	153,264	151,033	151,033	-1.5%	
<b>SUBTOTAL</b>		<b>593,234</b>	<b>553,486</b>	<b>725,279</b>	<b>725,279</b>	<b>31.0%</b>	
<b>Chemical Costs:</b>							
Clean-in-place chemicals	64200	20,776	19,588	42,000	41,580	112.3%	
Antiscalant	64400	36,423	37,431	48,000	36,722	-1.9%	
Phenylarsine oxide	64410	881	0	1,150	525	n/a	
Acetate buffer solution	64420	122	156	320	250	60.3%	
Iodine solution	64430	208	47	500	324	594.3%	
Citric Acid	65160	41,807	80,965	85,000	81,545	0.7%	
Sulfuric Acid	65170	36,792	31,777	40,755	48,450	52.5%	
Acetic Acid	65180	1,009	632	1,050	1,093	73.0%	
Sodium Bisulfite	65200	56,412	40,847	69,000	56,610	38.6%	
Sodium Hypochlorite	65250	44,192	43,138	45,000	72,420	67.9%	
Polymer	65400	16,704	22,500	19,620	23,358	3.8%	
Miscellaneous chemicals	65600	1,947	85	1,150	1,000	1078.7%	
Potassium Hydroxide	65700	24,721	0	29,960	33,396	n/a	
Potassium iodate solution	65725	0	614	800	780	27.1%	
Potassium iodide	65750	0	0	2,900	2,200	n/a	
Ammonia Hydroxide	65800	77,773	93,818	89,000	78,033	-16.8%	
Ammonium Sulfate	65900	0	7,934	0	0	n/a	
PHOS-58	65910	128,469	124,422	100,000	108,900	-12.5%	
Enzymes	65920	0	0	7,000	7,650	n/a	
<b>SUBTOTAL</b>		<b>488,237</b>	<b>503,953</b>	<b>583,205</b>	<b>594,837</b>	<b>18.0%</b>	
<b>Operating Supplies - Plant</b>							
Repairs & Maintenance	66100	76,466	105,692	98,000	93,310	-11.7%	
Plant Pumps	66190	37,029	37,904	30,000	29,650	-21.8%	
Laundry	66200	685	723	1,500	1,500	107.4%	
Lubricants/Packing	66300	0	0	1,000	0	n/a	
Electrical Supplies	66400	8,433	2,348	15,000	15,000	538.7%	
Laboratory Supplies	66500	44,277	43,648	46,200	57,532	31.8%	
Paint	66600	0	235	2,000	500	113.1%	
Postage & Office Supplies	67000	67	0	1,000	0	n/a	
First Aid Supplies	67100	0	0	200	0	n/a	
Janitorial Supplies	67100	0	0	0	1,000	n/a	
Personnel Supplies	67400	0	0	1,000	0	n/a	
Hand Tools	67600	77	1,365	1,500	1,000	-26.7%	
General Operating Supplies	67700	628	5,773	1,000	200	-96.5%	
Safety	67800	4,282	1,572	3,275	3,500	122.6%	

**CAWD/PBCSD Reclamation Project  
Operations and Maintenance Budget  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Proposed to Prior Yr Actual	Comments/Notes
Training	67900	0	0	2,500	3,500	n/a	
<b>SUBTOTAL</b>		<b>171,944</b>	<b>199,260</b>	<b>204,175</b>	<b>206,692</b>	<b>3.7%</b>	
<b>Membrane Costs</b>							
Microfilter Membrane Modules	67510	132,700	160,000	160,000	0	n/a	
Annual Cartridge Filter Replacement	66700	10,426	12,958	12,500	12,500	-3.5%	
RO Membrane Elements	67500	33,887	0	15,000	37,170	n/a	
Spare Parts & Outfitting	66750	7,827	11,336	25,000	13,800	21.7%	
<b>SUBTOTAL</b>		<b>184,840</b>	<b>184,293</b>	<b>212,500</b>	<b>63,470</b>	<b>-65.6%</b>	
<b>Contractual Services:</b>							
Chemical Waste Disposal	68100	0	0	500	0		
Plant Instrumentation	68200	25,061	48,705	38,800	51,350	5.4%	
Fire Extinguisher Service	68300	226	184	500	200	8.7%	
Calibration	68400	1,855	17,765	7,400	4,700	-73.5%	
Contract Laboratory Analysis	68500	9,129	11,563	6,500	9,500	-17.8%	
Contract Lab Staffing		0	0	0	0	n/a	
Gypsum Injection System Maintenance/Lease	68600	0	0	0	0	n/a	
Contract Painting	68700	0	0	0	0	n/a	
System software/IT consulting	68710	32,303	16,368	30,500	44,200	170.0%	
SAR Equipment Maintenance	68720	0	0	0	5,500	n/a	
Hoist Certification	68730	816	0	1,000	1,000	n/a	
Alarm-Tertiary Equipment	68900	186	191	250	300	57.3%	
<b>SUBTOTAL</b>		<b>69,576</b>	<b>94,776</b>	<b>85,450</b>	<b>116,750</b>	<b>23.2%</b>	
Fees & Permits	69110	2,125	3,183	5,500	5,126	61.1%	
<b>Engineering Fees:</b>							
Consulting	69200	59,879	24,837	35,000	38,000	53.0%	Need number from Plant Engineer
Membrane Cleaning Pilot	69250	0	0	20,000	20,000	n/a	
Discounts		(293)	(14)	0	0	-100.0%	
<b>SUBTOTAL</b>		<b>59,587</b>	<b>24,823</b>	<b>55,000</b>	<b>58,000</b>	<b>133.7%</b>	
<b>TOTAL PLANT OPERATING EXPENSES</b>		<b>2,148,490</b>	<b>2,154,627</b>	<b>2,535,195</b>	<b>2,388,312</b>	<b>10.8%</b>	<b>6.58% decrease from 22-23 budget 9.92% increase from 22-23 Projected actual</b>
<b>PEBBLE BEACH COM SVC DISTRICT DISTRIBUTION SYSTEM ADMIN &amp; MAINT:</b>							
<b>Salaries, Benefits &amp; Overhead</b>							
General Manager	71000	0	0	0	0	n/a	Calculated based on the estimated PBCSD Admin staff time for CAWD/PBCSD Reclamation Project related
Principal Engineer	71100	9,167	8,417	10,000	8,000	-5.0%	duties. Prior years experience and next year's
Finance Director	71200	1,946	1,471	2,000	2,000	36.0%	anticipated activities are used in the predictions of the
Senior Accountant/Accountant	71300	3,458	3,917	4,500	4,500	14.9%	FY 2023-24 estimated hours. FY 23-24 COLA
Administrative Coordinator	71400	1,153	693	500	1,000	44.3%	estimated at 5.1% and 5% step increases for 7
Environmental Compliance Coordinator	71500	0	658	0	3,000	355.9%	qualified admin/engineering personnel; Other: In Jun 21
Senior/Associate/Associate Engineers	71600	4,645	3,958	10,500	4,500	13.7%	a senior accountant was promoted to Finance Director and the Finance/Info Sys Coord was promoted to
							Accountant. In 07-22 Assist Eng was promoted to
							Associate Eng, leaving vacant Asst Eng position. In 01-
							23 Environmental Compliance Coord position was filled
							and In 04-23 a new Accounting Tech positoin was filled.
Engineering Intern	71700	60	200	500	500	150.0%	The payroll taxes, benefits and indirect overhead is
Payroll Taxes , Benefits & Overhead	71800	10,184	9,657	14,000	11,500	19.1%	calculated at 50% as agreed upon by the project
<b>SUBTOTAL</b>		<b>30,613</b>	<b>28,971</b>	<b>42,000</b>	<b>35,000</b>	<b>20.8%</b>	<b>participants.</b>
<b>Other Administrative &amp; General Expenses:</b>							
Insurance - Property & Liability	72100	5,805	7,813	7,500	9,000	15.2%	Property (\$5,000) / Liability (\$3,000) FY 2023/24 Budgeted based on an 15% increase from actual paid In 2022/23
Insurance - Earthquake	72100	23,071	26,482	26,000	31,000	17.1%	\$25M Policy limit - FL Reservoir (\$21,000) & Poppy Hills Storage Tank (\$10,000); FY 2022/23 Budget based on an 18% Increase from actual paid In 2022/23

**CAWD/PBCSD Reclamation Project  
Operations and Maintenance Budget  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Proposed to Prior Yr Actual	Comments/Notes
Insurance - Forest Lake Dam Failure Liability	72100	3,476	3,824	4,000	4,500	17.7%	In 2020-21 due to substantial increase in insurance costs, reduced coverage from \$10M to \$5M. (The cost of \$10M coverage is \$28,000); FY 2023/24 Budget based on an 15% increase from actual paid in 2022/23
Directors Fees	72200	250	200	500	500	150.0%	2 Directors x 5 meetings/year x \$50 per meeting
<b>SUBTOTAL</b>		<b>32,602</b>	<b>38,319</b>	<b>38,000</b>	<b>45,000</b>	<b>17.4%</b>	2 Directors x 5 meetings/year x \$50 per meeting

**Total Administrative & General Expenses**      **63,215**      **67,290**      **80,000**      **80,000**      **18.9%**

**Distribution System O.&M. Expenses:**  
**Salaries, Benefits & Overhead:**

Field Operations Supervisor	73000	8,738	11,917	10,000	10,000	-16.1%	Calculated based on the estimated time to operate and maintain the Forest Lake Reservoir, 8 miles of distribution pipeline, the 2.5M gallon storage tank, and the Viscaino Rd emergency potable water station. FY 2023/24 COLA estimated at 5.1%; Total of 4 Maintenance staff budgeted (1 Ops Supervisor and 3 Maint Technicians/Workers) expected to receive 5% merit increases; Planned addition of Maintenance Worker I not included in proposed budget, as effect is unknown.
Maintenance Technicians	73100	49,128	60,808	50,000	55,000	-9.6%	
Payroll taxes, Benefits & Overhead	73200	28,933	36,363	30,000	33,000	-9.2%	The payroll taxes, benefits and indirect overhead is calculated at 50% as agreed upon by the project participants.
<b>SUBTOTAL</b>		<b>86,799</b>	<b>109,088</b>	<b>90,000</b>	<b>98,000</b>	<b>-10.2%</b>	

**Energy & Utilities:**

Potable Water Pump Station - PG&E	74000	639	1,404	1,000	1,000	-28.8%	PBCSD pumps will be turned on during emergencies. PBCSD pays a minimum of 1% of the cost per agreement with CalAm.
SCADA System: DSL ATM / Telemetry Analg	74200	10,977	12,110	12,000	13,000	7.3%	Monthly AT&T / Comcast & Verizon charges for lines between Potable Water Pump Station, Forest Lake, CAWD and PBCSD.
Wireless Alarm Sys Chg (Mission)	74300	911	911	1,000	1,500	64.7%	Annual maint agmt for Cell Phone Alarm System at Poppy Hills Storage Tank and PB Golf Links 4th Fairway / 18th Green.
Forest Lake Treatment Facility (PG&E)	74400	30,630	27,742	30,000	30,500	9.9%	Budgeted based on previous experience & anticipated operations (2019/20: Includes add of a new VFD pump at Forest Lake while Reclam tank out of commission due to rehab project);
Forest Lake Eyewash Station (CalAm)	74500	1,074	1,135	1,500	1,500	32.2%	Budgeted based on previous experience. Includes service to eyewash station at the chemical building.
Poppy Hill Booster Pump Station - PG&E	74600	1,084	1,068	1,500	1,500	40.4%	Budgeted based on previous experience & anticipated operations.
Cathodic Protection	74700	959	641	1,000	1,000	56.0%	2 Locations: Forest Lake Rd & Whitman Ln; Budgeted based on previous experience & anticipated operations
<b>SUBTOTAL</b>		<b>46,274</b>	<b>45,011</b>	<b>48,000</b>	<b>50,000</b>	<b>11.1%</b>	

**Source Water / Dry Weather Diversion**

Reclamation Source Water	77600	6,798	34	3,000	4,000	11664.7%	Materials/Supplies for Reclam Wells (MPCC #8 / MPCC #9 / Bird Rock); FY 2022/23 Budgeted \$1,000 per location.
4th Fairway Dry Weather Diversion Facility	77700	3,302	1,738	2,000	3,000	72.6%	Materials / Supplies for dry-weather diversion facilities at the PB Golf Links 4th Fairway & 18th Green (came on-line in 2021/22); FY 2022/23 Budgeted \$1,000 per location.
Remote Flow Monitoring	77900	0	2,750	4,000	4,000	45.5%	FY 2022/23: Neptune Meter at Bird Rock Well / Remote Reporting (Cloud-Based) Annual Service (\$2,750); Badger Meter annual cellular svc chg (\$250) for the other 2 well sites, and 2 dry-weather diversion sites. Bird Rock Well Level / MPCC #8 Well Level (In-Situ) \$480 (2x\$120/site) cost to provide primary and secondary treatment at CAWD Treatment Plant. Alternative Source Water Locations @ MPCC Well No 8 / 9 & Bird Rock; Pebble Beach Golf Links 4th Fairway / 18th Green (came on line in 2021/22); 18th Fairway
Water Treatment Cost	77800	109,451	85,000	115,000	95,000	11.8%	



**CAWD/PBCSD Reclamation Project  
Operations and Maintenance Budget  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Proposed to Prior Yr Actual	Comments/Notes
<b>SUBTOTAL</b>		119,551	89,522	124,000	106,000	18.4%	
Distribution System - Other O.&M. Expenses:							
Other professional services	75200	642	1,530	1,500	1,500	-2.0%	Mgmt Comm Mtg Attendance & Minutes (Nov / Feb / May / Aug)
<b>Permits</b>	75300	25,275	27,054	30,000	30,000	10.9%	1. SWRCB-General Permit (\$5,000) 2. DSOD-Forest Lake Operating Permit (\$24,000) 3. MBUAPCD-Viscaino Generator (\$400) / Environ Health-Viscaino Fuel Tank Permit (\$600) (PBCSD: 2/5 & CalAm: 3/5)
<b>Fuel</b>	75500	3,511	3,844	4,000	4,000	4.1%	FY 2023/24: 1) Estimated fuel use for vehicles billed in May (mileage reimb rate / mile increased from \$0.585 to \$0.655) and 2) Diesel fuel for Viscaino Rd. pump station UGST (Cal Am 3/5; Reclam Prj 2/5); UGST diesel fuel last purchased in Feb 2023.
Training & Tuitions	75600	2,488	2,050	2,500	2,500	22.0%	Maint & safety programs (regist/materials/travel/misc exp. Memberships & Certif) Includes Water Awareness Committee Membership (\$1K); Watereuse Membership & training for maint emolovees (\$1.5K)
GIS Development & Maintenance	75800	4,939	2,500	7,000	10,000	300.0%	Consulting svcs related to GIS Development (E2C Assign # 54)
SCADA Platform Support Svcs Subscription	75900	1,134	9,040	7,000	10,000	10.6%	Inductive Ignition Support Services Subscription (25% Reclam = \$1.5K); Annual SCADA Updates & Programming Costs (E2 Consulting / Frisch Engineering) - Assignment #50 (\$8.5K)
Consulting Services	76000	63,505	24,249	80,000	70,000	188.7%	Misc General Consulting (\$45K); Annual DSOD Report (\$20K); Forest Lake Annual Monument Survey (\$5K).
Reclamation Line Distribution Sys	76300	4,325	0	10,000	10,000	n/a	Meter calibration & Other General Repairs and Maintenance (R&M); Materials & Supplies
Viscaino Rd/Poppy Hills Pump Station	76400	2,595	1,796	4,000	14,000	679.5%	Prev Maint / Annual load bank test / Underground tank leak detect & general R&M
Call Out Mileage Expense	76500	1,467	1,407	2,000	2,000	42.1%	Quarterly Reimbursement to Maintenance Crew for vehicle mileage paid for work performed after hours, weekends & holidays
Forest Lake Reservoir - R & M	76600	27,428	33,710	25,000	35,000	3.8%	General repairs and maintenance to Forest Lake \$25,000; FY 2023/24: FL Outlet Structure Level (\$10,000) replaced every 10 years.
Poppy Hills Storage Tank (2.5 million gallon)	76700	1,569	0	2,000	2,000	n/a	Includes Cathodic Protect Inspection (every 3 yrs) / Tank (15-Point) Inspection (every 3 yrs) / Annual Cleaning Svc (done Feb/Mar) and Misc R&M
Forest Lake Chemicals	76900	30,317	30,524	40,000	40,000	31.0%	Sulfuric Acid / Hypochlorite Tablets. Actual costs will be based on water usage. Chemicals needed based on demand, wet weather decreases demand which reduces the chemical purchases.
SCADA system equipment	77000	285	0	0	0	n/a	
Forest Lake Reservoir - Materials & Supplies	77100	5,263	29,922	23,000	35,000	17.0%	Supplies & Equipment (\$10K) / Gopher Contri (\$5K) / Vegetation Management (\$15K)
Forest Lake reservoir equipment	77200	1,668	0	0	0	n/a	
Forest Lake reservoir ops service	77300	20,665	0	0	0	n/a	
<b>SUBTOTAL</b>		197,075	167,626	238,000	266,000	58.7%	
Professional Fees - PBCSD: Remote Flow Monitoring	77900	0	0	0	0	n/a	
<b>SUBTOTAL</b>		0	0	0	0	n/a	
<b>Total Distribution System O.&amp;M. Expenses</b>		449,699	411,247	500,000	520,000	26.4%	
<b>TOTAL PBCSD EXPENSES.....</b>		512,914	478,537	580,000	600,000	25.4%	<b>3.45% increase from 22-23 budget 25.38% increase from 22-23 Projected actual</b>

CAWD ADMIN & GENERAL EXPENSES

**CAWD/PBCSD Reclamation Project  
Operations and Maintenance Budget  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Proposed to Prior Yr Actual	Comments/Notes
<b>ADMINISTRATIVE SALARIES</b>							
General Manager	81000	1,057	821	1,194	1,078	31.4%	
Project Accountant	81200	10,376	12,228	13,207	13,283	8.6%	
Engineering Associate	81100	0	0	0	0	n/a	
Admin. Services Coordinator/Scanner	81400	18,541	17,760	13,918	12,523	-29.5%	
Payroll Taxes, Benefits & Overhead	82100	18,563	15,404	14,160	13,442	-12.7%	
<b>SUBTOTAL</b>		<b>48,537</b>	<b>46,212</b>	<b>42,479</b>	<b>40,326</b>	<b>-12.7%</b>	<b>COLA 6.0%</b>
<b>Administrative &amp; General Expenses:</b>							
Office Supplies & Postage	84000	175	0	250	250	n/a	
Audit & Consulting Fees	84100	18,450	16,850	16,850	17,355	3.0%	
Employee training	84200	0	0	0	0	n/a	
Directors Fees	85000	1,050	200	1,050	1,000	400.0%	
Legal Notices	89400	0	0	0	0	n/a	
Legal Fees	89400	551	203	750	750	270.1%	
Insurance Expense	89500	45,836	53,096	50,419	54,000	1.7%	CSRMA recommends 10-15% increase in insurance
Consulting	89600	0	0	0	0	n/a	
<b>SUBTOTAL</b>		<b>66,062</b>	<b>70,348</b>	<b>69,319</b>	<b>73,355</b>	<b>4.3%</b>	
<b>TOTAL CAWD EXPENSES</b>		<b>114,599</b>	<b>116,561</b>	<b>111,798</b>	<b>113,681</b>	<b>-2.5%</b>	<b>1.68% increase from 22-23 budget 2.47% decrease from 22-23 Projected actual</b>
<b>MONTEREY PENINSULA WATER MANAGEMENT DISTRICT</b>							
<b>ADMINISTRATIVE EXPENSES:</b>							
<b>Administrative Salaries, Benefits &amp; Overhead</b>							
General Manager	91000	9,120	6,000	6,300	6,500	8.3%	based on 10 hours
Administrative Services Manager	91200	9,560	8,000	8,300	8,600	7.5%	based on 35 hours
Accountant	91300	4,272	4,000	4,200	4,400	10.0%	based on 65 hours
Accounting/Office Specialist	91400	1,386	0	0	0	n/a	
IT Manager	91500	7,500	7,000	7,200	7,500	7.1%	based on 40 hours
Payroll Taxes, Benefits & Overhead	92100						
<b>SUBTOTAL</b>		<b>31,838</b>	<b>25,000</b>	<b>26,000</b>	<b>27,000</b>	<b>8.0%</b>	
<b>Administrative &amp; General Expenses</b>							
CAL-Am Water Meter Service Charge	94300	26,453	27,398	30,720	41,760	52.4%	8" meter (assumes 20% increase based on actual billings)
Legal Fees	99400	0	0	500	500	n/a	
Office Expense	99410	2,059	0	4,300	4,500	n/a	Software annual maintenance fee (financial & billing combine)
<b>SUBTOTAL</b>		<b>28,512</b>	<b>27,398</b>	<b>35,520</b>	<b>46,760</b>	<b>70.7%</b>	
<b>TOTAL MPWMD EXPENSES</b>		<b>60,350</b>	<b>52,398</b>	<b>61,520</b>	<b>73,760</b>	<b>40.8%</b>	<b>19.9% increase from 22-23 budget 40.8% increase from 22-23 Projected actual</b>
<b>PBCo / IRWUG Representative</b>							
Payroll Taxes, Benefits & Overhead	79920	35,995	37,802	37,284	39,314	4.0%	4% increase
R&D Water Sources	79990	16,270	17,086	18,642	17,770	4.0%	
	99965	0	0	0	0	n/a	
<b>SUB TOTAL</b>		<b>2,888,618</b>	<b>2,857,011</b>	<b>3,344,439</b>	<b>3,232,836</b>	<b>13.2%</b>	
<b>POTABLE WATER COSTS</b>	99601	4,980	68,662	6,750	6,750	-90.2%	
<b>TOTAL OPERATING EXPENSES</b>		<b>2,893,599</b>	<b>2,925,673</b>	<b>3,351,189</b>	<b>3,239,586</b>	<b>10.7%</b>	<b>3.9% increase from 22-23 budget 16.0% increase from 22-23 Projected actual</b>

CAWD/PBCSD Reclamation Budget  
CAWD O M - 2023/24

GL	Item Description	Units	Unit Cost	Quantity	Total
64150	currently not used		\$ -	0	\$ -
64200	20% increase by vendor	pound	\$ 7.70	5400	\$ 41,580
64400	for the RO system	pound	\$ 3.50	10492	\$ 36,722
64410	chemicals used for calibration	gallon	\$ 175.00	3	\$ 525
64420	chemicals used for calibration	gallon	\$ 125.00	2	\$ 250
64430	chemicals used for calibration	gallon	\$ 54.00	6	\$ 324
65160	mini-bulk costs: \$10.95/gal	gallon	\$ 20.66	3947	\$ 81,545
65170	mini-bulk costs: \$3.89/gal	gallon	\$ 5.70	8500	\$ 48,450
65180	4 gal/case	case	\$ 91.10	12	\$ 1,093
65200	de-chlorinate RO Reject for ocean discharge	gallon	\$ 1.53	37000	\$ 56,610
65250	162% increase/gallon	gallon	\$ 2.13	34000	\$ 72,420
65400	costs include delivery/surcharges	pound	\$ 2.55	9160	\$ 23,358
65500	currently not used		\$ -	0	\$ -
65600		misc	\$ 1,000.00	1	\$ 1,000
65700	CIP netualization	pound	\$ 0.69	48400	\$ 33,396
65725	chemicals used for analyzers	box	\$ 130.00	6	\$ 780
65750	chemicals used for analyzers	bucket	\$ 2,200.00	1	\$ 2,200
65800	price per pound- 7% increase by vendor	pound	\$ 0.55	141879	\$ 78,033
65900	not used anymore		\$ -		\$ -
65910	suspended solids/phosphorous removal	pound	\$ 0.99	110000	\$ 108,900
65920	20% increase by vendor- 2 cleanings a year	pound	\$ 8.50	900	\$ 7,650
66100					
	MF Electric air relief valves		\$ 1,000	3	\$ 3,000
	Pipe repairs		\$ 5,000	1	\$ 5,000
	RO high pressure isolation valves		\$ 1,000	4	\$ 4,000
	Electrical repairs		25000	1	\$ 25,000
	ABZ RO Electric Actuated Valves		\$ 3,000	8	\$ 24,000
	HDPE repair parts		\$ 2,000	1	\$ 2,000
	Distiller maintenance		\$ -	0	\$ -
	Pallet jack		\$ -	0	\$ -
	General repairs		\$ 20,000	1	\$ 20,000
	Lab microscope maintenance 50/50		\$ 310	1	\$ 310
	Valve repairs		\$ 10,000	1	\$ 10,000
	subtotal				\$ 93,310
66190					
	Recondition Reclaim pump 933		\$ 12,000	1	\$ 12,000
	Hypo/SBS Tuthill annual PM kits		\$ 5,000	1	\$ 5,000
	Gould pump PM parts		\$ 10,000	1	\$ 10,000
	Sample pumps		\$ 550	3	\$ 1,650
	Utility pumps		\$ 1,000	1	\$ 1,000
	subtotal				\$ 29,650
66200	Cintas		\$ 1,500	1	1500
66300			\$ -	0	0
66400	VFDs under \$10,000		\$ 3,000	5	15000
66500					
	UV lamp \$250(50/50)		\$ 250	0	\$ 250
	lab general supplies		\$ 39,750	0	\$ 39,750
	IDEXX		\$ 15,822	0	\$ 15,822
	IC- replacing which will reduce buffer		\$ 1	0	\$ -
	cost and consumables first year		\$ 1	0	\$ -
	Hach		\$ 1,500	0	\$ 1,500
	Culligan (softener) 50/50		\$ 210	1	\$ 210
	Fischer Scientific				

CAWD/PBCSD Reclamation Budget  
CAWD O M - 2023/24

	Peninsula Welding (IC gas)				
	DI water consumables				
		subtotal			\$ 57,532
66600	Paint and supplies		\$ 500	1	\$ 500
67000			\$ -	0	\$ -
67100			\$ -	0	\$ -
67100	brooms, dust pans, towels, cleaners		\$ 1,000	1	\$ 1,000
67300			\$ -	0	\$ -
67400			\$ -	0	\$ -
			\$ -	0	\$ -
			\$ -	0	\$ -
		subtotal			\$ -
67600	Wrenches, screwdrivers, cordless batteries		\$ 1,000	1	\$ 1,000
67700					
	Circular Charts		\$ 50	4	\$ 200
	Wall keyboards		\$ -	0	\$ -
			\$ -	0	\$ -
subtotal		subtotal			\$ 200
67800			\$ 1	1	\$ 1
			\$ 1	1	\$ 1
		subtotal			\$ 2
67900	SWMOA membrane conference		\$ 3,500	1	\$ 3,500
67510			\$ -	0	\$ -
66700	RO prefilter and CIP		\$ 12,500	1	\$ 12,500
67500	replacement for 3rd and 4th stages		\$ 590	63	\$ 37,170
66750					
	level switches, pressure switches	part	\$ 2,500	1	\$ 2,500
	Hach controllers	part	\$ 2,800	2	\$ 5,600
	Turbidity supplies	consumable	\$ 1,800	1	\$ 1,800
	Analyzer parts	consumable	\$ 2,500	1	\$ 2,500
	MF/RO supplies	consumable	\$ 1,400	1	\$ 1,400
			\$ -	0	\$ -
			\$ -	0	\$ -
		subtotal			\$ 13,800
68100			\$ -	0	\$ -
68200					
	RO flow meters train A		\$ 22,000	1	\$ 22,000
	Tesco		\$ 1,000	1	\$ 1,000
	Hach (turbs including benchtop)		\$ 4,000	1	\$ 4,000
	Eaton UPS Annual Maintenance Contract 50/50		\$ 2,350	1	\$ 2,350
	Tesco all flow meter calibrations		\$ 12,000	1	\$ 12,000
	Instrument replacements		\$ 10,000	1	\$ 10,000
			\$ -	0	\$ -
		subtotal			\$ 51,350
68300	Annual service		\$ 200	1	\$ 200

CAWD/PBCSD Reclamation Budget  
CAWD O M - 2023/24

68400	Lab scale/balance calibration 50/50		\$ 1,200	1	\$ 1,200
	Myronel		\$ 500	3	\$ 1,500
	Instrument calibrations		\$ 2,000	1	\$ 2,000
					\$ -
					\$ 4,700
68500	RO quarterly		\$ -	0	\$ -
			\$ -	0	\$ -
68600			\$ -	0	\$ -
68700			\$ -	0	\$ -
68710					
	Johnson-E-NPDES 50/50		\$ 1,200	1	\$ 1,200
	ATL-LIMS annual 50/50		\$ 2,800	1	\$ 2,800
	Parser (custom)		\$ 1,000	1	\$ 1,000
	H2O Portal		\$ 6,000	1	\$ 6,000
	Ignition Annual 33%		\$ 2,200	1	\$ 2,200
	Exceedio		\$ 2,000	1	\$ 2,000
	CMMS support 33%		\$ 9,000	1	\$ 9,000
	PLC programming		\$ 20,000	1	\$ 20,000
					\$ 44,200
68720					
	Gallery service contract PM 50/50		\$ 3,000	1	\$ 3,000
	TOC service contract PM 50/50		\$ 2,500	1	\$ 2,500
					\$ 5,500
68730			\$ -	0	\$ -
68900	Alarm Notification	quarterly	\$ 75	4	\$ 300
68910			\$ -	0	\$ -
69400			\$ -	0	\$ -
69110					
	SWRCB		\$ 3,000	1	\$ 3,000
	TNI Accreditation 50/50		\$ 1	1	\$ 1
	ELAP 50/50		\$ 2,125	1	\$ 2,125
					\$ 5,126
69200					
	Trussell		\$ 35,000	1	\$ 35,000
	Beecher		\$ 15,000	1	\$ 15,000
					\$ -
					\$ 50,000

**CAWD/PBCSD Reclamation Project**  
**Monthly Budget Projections**  
2023-24

5 yr avg	ACCT	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	ANNUAL BUDGET
	No.	14.85%	14.36%	11.98%	9.80%	4.16%	0.74%	0.98%	2.73%	2.09%	8.14%	14.15%	16.02%	2023-24
Water Sales	52000	703,034	679,729	567,089	464,158	197,122	34,958	46,610	129,149	99,046	385,504	670,019	758,384	4,734,801
Less MPWMD Fees	2225	(11,136)	(10,767)	(8,983)	(7,352)	(3,122)	(554)	(738)	(2,046)	(1,569)	(6,106)	(10,613)	(12,013)	(75,000)
		691,898	668,962	558,106	456,806	193,999	34,404	45,872	127,103	97,477	379,397	659,406	746,371	4,659,801
Plant Superintendent	61100	1,387	2,081	1,387	1,387	1,387	1,387	2,081	1,387	1,387	1,387	1,387	1,387	18,031
Laboratory Supervisor	61200	2,036	3,054	2,036	2,036	2,036	2,036	3,054	2,036	2,036	2,036	2,036	2,036	26,469
Laboratory Technicians	61300	5,756	8,635	5,756	5,756	5,756	5,756	8,635	5,756	5,756	5,756	5,756	5,756	74,833
Plant Operators	61400	15,826	23,740	15,826	15,826	15,826	15,826	23,740	15,826	15,826	15,826	15,826	15,826	205,743
Maint Supervisor	61450	1,360	2,040	1,360	1,360	1,360	1,360	2,040	1,360	1,360	1,360	1,360	1,360	17,678
Plant Mechanics	61500	2,045	3,068	2,045	2,045	2,045	2,045	3,068	2,045	2,045	2,045	2,045	2,045	26,587
Safety Officer		1,079	1,619	1,079	1,079	1,079	1,079	1,619	1,079	1,079	1,079	1,079	1,079	14,032
Plant Engineer		1,089	1,634	1,089	1,089	1,089	1,089	1,634	1,089	1,089	1,089	1,089	1,089	14,163
Differential	62000	1,481	2,221	1,481	1,481	1,481	1,481	2,221	1,481	1,481	1,481	1,481	1,481	19,247
Payroll Taxes & Benefits & OH	62100	15,490	23,236	15,490	15,490	15,490	15,490	23,236	15,490	15,490	15,490	15,490	15,490	201,375
		47,551	71,326	47,551	47,551	47,551	47,551	71,326	47,551	47,551	47,551	47,551	47,551	618,158
Tertiary Treatment	63300	41,367	39,996	33,368	27,311	11,599	2,057	2,743	7,599	5,828	22,683	39,424	44,624	278,598
MFRO Electrical	63400	43,899	42,443	35,410	28,983	12,309	2,183	2,910	8,064	6,185	24,071	41,837	47,355	295,648
Secondary Costs - EQ Basin PD Blo	63500	22,426	21,682	18,089	14,806	6,288	1,115	1,487	4,120	3,159	12,297	21,373	24,191	151,033
		107,691	104,121	86,867	71,100	30,195	5,355	7,140	19,783	15,172	59,052	102,634	116,170	725,279
Low Mag Ferric	64150	0	0	0	0	0	0	0	0	0	0	0	0	0
Clean-in-place chemicals	64200	6,174	5,969	4,980	4,076	1,731	307	409	1,134	870	3,385	5,884	6,660	41,580
Sodium hydroxide	64300	0	0	0	0	0	0	0	0	0	0	0	0	0
Antiscalant	64400	5,453	5,272	4,398	3,600	1,529	271	361	1,002	768	2,990	5,197	5,882	36,722
Phenylarsine oxide	64410	78	75	63	51	22	4	5	14	11	43	74	84	525
Acetate buffer solution	64420	37	36	30	25	10	2	2	7	5	20	35	40	250
Iodine solution	64430	48	47	39	32	13	2	3	9	7	26	46	52	324
Chlorine	65100	0	0	0	0	0	0	0	0	0	0	0	0	0
Citric Acid	65160	12,108	11,707	9,767	7,994	3,395	602	803	2,224	1,706	6,639	11,539	13,061	81,545
Sulfuric Acid	65170	7,194	6,955	5,803	4,750	2,017	358	477	1,322	1,014	3,945	6,856	7,760	48,450
Acetic Acid	65180	162	157	131	107	46	8	11	30	23	89	155	175	1,093
Sodium Bisulfite	65200	8,406	8,127	6,780	5,550	2,357	418	557	1,544	1,184	4,609	8,011	9,067	56,610
Sodium Hypochlorite	65250	10,753	10,397	8,674	7,099	3,015	535	713	1,975	1,515	5,896	10,248	11,600	72,420

**CAWD/PBCSD Reclamation Project**  
**Monthly Budget Projections**  
**2023-24**

	<b>ACCT No.</b>	<b>Jul-23</b>	<b>Aug-23</b>	<b>Sep-23</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>May-24</b>	<b>Jun-24</b>	<b>ANNUAL BUDGET 2023-24</b>
Polymer	65400	3,468	3,353	2,798	2,290	972	172	230	637	489	1,902	3,305	3,741	23,358
Gypsum	65500	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous chemicals	65600	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Potassium Hydroxide	65700	4,959	4,794	4,000	3,274	1,390	247	329	911	699	2,719	4,726	5,349	33,396
Potassium iodate solution	65725	116	112	93	76	32	6	8	21	16	64	110	125	780
Potassium iodide	65750	327	316	263	216	92	16	22	60	46	179	311	352	2,200
Ammonia Hydroxide	65800	11,587	11,203	9,346	7,650	3,249	576	768	2,128	1,632	6,353	11,042	12,499	78,033
Phosphoric Acid	65900	0	0	0	0	0	0	0	0	0	0	0	0	0
PHOS-58	65910	16,170	15,634	13,043	10,676	4,534	804	1,072	2,970	2,278	8,867	15,410	17,443	108,900
Enzymes	65920	1,136	1,098	916	750	318	56	75	209	160	623	1,083	1,225	7,650
		<b>88,323</b>	<b>85,395</b>	<b>71,244</b>	<b>58,313</b>	<b>24,765</b>	<b>4,392</b>	<b>5,856</b>	<b>16,225</b>	<b>12,443</b>	<b>48,431</b>	<b>84,175</b>	<b>95,276</b>	<b>594,837</b>
Repairs & Maintenance	66100	13,855	13,396	11,176	9,147	3,885	689	919	2,545	1,952	7,597	13,204	14,946	93,310
Plant Pumps	66190	4,403	4,257	3,551	2,907	1,234	219	292	809	620	2,414	4,196	4,749	29,650
Laundry	66200	223	215	180	147	62	11	15	41	31	122	212	240	1,500
Lubricants\Packing	66300	0	0	0	0	0	0	0	0	0	0	0	0	0
Electrical Supplies	66400	2,227	2,153	1,797	1,470	624	111	148	409	314	1,221	2,123	2,403	15,000
Laboratory Supplies	66500	8,542	8,259	6,891	5,640	2,395	425	566	1,569	1,203	4,684	8,141	9,215	57,532
Paint	66600	74	72	60	49	21	4	5	14	10	41	71	80	500
Postage	67000	0	0	0	0	0	0	0	0	0	0	0	0	0
First Aid Supplies	67100	0	0	0	0	0	0	0	0	0	0	0	0	0
Janitorial Supplies	67100	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Tertiary Pump Alarm	67300	0	0	0	0	0	0	0	0	0	0	0	0	0
Personnel Supplies	67400	0	0	0	0	0	0	0	0	0	0	0	0	0
Hand Tools	67600	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Operating Supplies	67700	30	29	24	20	8	1	2	5	4	16	28	32	200
Safety	67800	520	502	419	343	146	26	34	95	73	285	495	561	3,500
Training	67900	520	502	419	343	146	26	34	95	73	285	495	561	3,500
		<b>30,690</b>	<b>29,673</b>	<b>24,756</b>	<b>20,262</b>	<b>8,605</b>	<b>1,526</b>	<b>2,035</b>	<b>5,638</b>	<b>4,324</b>	<b>16,829</b>	<b>29,249</b>	<b>33,106</b>	<b>206,692</b>
Microfilter Membrane Modules	67510	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual Cartridge Filter Replacement	66700	1,856	1,795	1,497	1,225	520	92	123	341	261	1,018	1,769	2,002	12,500
RO Membrane Elements	67500	5,519	5,336	4,452	3,644	1,547	274	366	1,014	778	3,026	5,260	5,954	37,170
Spare Parts & Outfitting	66750	2,049	1,981	1,653	1,353	575	102	136	376	289	1,124	1,953	2,210	13,800
		<b>9,424</b>	<b>9,112</b>	<b>7,602</b>	<b>6,222</b>	<b>2,642</b>	<b>469</b>	<b>625</b>	<b>1,731</b>	<b>1,328</b>	<b>5,168</b>	<b>8,982</b>	<b>10,166</b>	<b>63,470</b>
Chemical Waste Disposal		0	0	0	0	0	0	0	0	0	0	0	0	0
Plant Instrumentation	68200	7,625	7,372	6,150	5,034	2,138	379	505	1,401	1,074	4,181	7,267	8,225	51,350

**CAWD/PBCSD Reclamation Project**  
**Monthly Budget Projections**  
2023-24

	<b>ACCT No.</b>	<b>Jul-23</b>	<b>Aug-23</b>	<b>Sep-23</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>May-24</b>	<b>Jun-24</b>	<b>ANNUAL BUDGET 2023-24</b>
Fire Extinguisher Service	68300	30	29	24	20	8	1	2	5	4	16	28	32	200
Calibration	68400	698	675	563	461	196	35	46	128	98	383	665	753	4,700
Contract Laboratory Analysis	68500	1,411	1,364	1,138	931	396	70	94	259	199	773	1,344	1,522	9,500
Gypsum Injection System Maintenance	68600	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Painting	68700	0	0	0	0	0	0	0	0	0	0	0	0	0
System software/IT consulting	68710	0	0	0	0	0	0	0	0	0	0	0	0	0
SAR Equipment Maintenance	68720	6,563	6,345	5,294	4,333	1,840	326	435	1,206	925	3,599	6,255	7,080	44,200
Hoist Certification	68730	817	790	659	539	229	41	54	150	115	448	778	881	5,500
Alarm - Tertiary	68900	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Alarm - Chlorine	68910	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment Rent - Ion Chromatograph	69400	45	43	36	29	12	2	3	8	6	24	42	48	300
Demolition		0	0	0	0	0	0	0	0	0	0	0	0	0
Clerlogx rental		0	0	0	0	0	0	0	0	0	0	0	0	0
		17,335	16,761	13,983	11,445	4,861	862	1,149	3,185	2,442	9,506	16,521	18,700	116,750
<b>Fees &amp; Permits (MBUAPCD)</b>														
Engineering Fees	69100	761	736	614	503	213	38	50	140	107	417	725	821	5,126
Consulting	69200	5,642	5,455	4,551	3,725	1,582	281	374	1,037	795	3,094	5,377	6,087	38,000
Membrane Cleaning Pilot	69250	2,970	2,871	2,395	1,961	833	148	197	546	418	1,628	2,830	3,203	20,000
Disposal expense	69350	0	0	0	0	0	0	0	0	0	0	0	0	0
		8,612	8,326	6,947	5,686	2,415	428	571	1,582	1,213	4,722	8,208	9,290	58,000
		310,387	325,450	259,562	221,081	121,247	60,620	88,752	95,834	84,580	191,675	298,044	331,080	2,388,312
<b>General Manager</b>	71000	0	0	0	0	0	0	0	0	0	0	0	0	0
Principal/Assistant Engineer	71100	1,188	1,148	958	784	333	59	79	218	167	651	1,132	1,281	8,000
Deputy General Manager/CFO	71200	297	287	240	196	83	15	20	55	42	163	283	320	2,000
Senior Accountant	71300	668	646	539	441	187	33	44	123	94	366	637	721	4,500
Administrative Assistant	71400	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Finance & Info Sys Coordinator	71500	445	431	359	294	125	22	30	82	63	244	425	481	3,000
Associate Engineers	71600	668	646	539	441	187	33	44	123	94	366	637	721	4,500
Engineering Intern	71700	74	72	60	49	21	4	5	14	10	41	71	80	500
PR Taxes, Benefits & Overhead	71800	1,708	1,651	1,377	1,127	479	85	113	314	241	936	1,627	1,842	11,500
		5,197	5,025	4,192	3,431	1,457	258	345	955	732	2,850	4,953	5,606	35,000
<b>Insurance - Property &amp; Liability</b>	72100	1,336	1,292	1,078	882	375	66	89	245	188	733	1,274	1,442	9,000
Insurance - Earthquake	72100	4,603	4,450	3,713	3,039	1,291	229	305	846	648	2,524	4,387	4,965	31,000
Insurance - FL Dam Failure Liability	72100	668	646	539	441	187	33	44	123	94	366	637	721	4,500



**CAWD/PBCSD Reclamation Project**  
 Monthly Budget Projections  
 2023-24

	ACCT No.	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	ANNUAL BUDGET 2023-24
Directors Fees	72200	74	72	60	49	21	4	5	14	10	41	71	80	500
		6,607	6,388	5,330	4,362	1,853	329	438	1,214	931	3,623	6,297	7,128	45,000
Salaries, Benefits & Overhead:														
Field Maintenance Supervisor	73000	1,485	1,436	1,198	980	416	74	98	273	209	814	1,415	1,602	10,000
Maintenance Technicians	73100	8,167	7,896	6,587	5,392	2,290	406	541	1,500	1,151	4,478	7,783	8,809	55,000
PR Taxes, Benefits & O.H.	73200	4,900	4,737	3,952	3,235	1,374	244	325	900	690	2,687	4,670	5,286	33,000
		14,551	14,069	11,737	9,607	4,080	724	965	2,673	2,050	7,979	13,868	15,697	98,000
Potable Water Pump Station - PG&E	74000	148	144	120	98	42	7	10	27	21	81	142	160	1,000
SCADA System: DSL ATM/Telemetry	74200	1,930	1,866	1,557	1,274	541	96	128	355	272	1,058	1,840	2,082	13,000
Wireless Alarm Sys Chg (Mission)	74300	223	215	180	147	62	11	15	41	31	122	212	240	1,500
Forest Lake Treatment Facility (PG&E)	74400	4,529	4,379	3,653	2,990	1,270	225	300	832	638	2,483	4,316	4,885	30,500
Forest Lake Eyewash Station (CalAn)	74500	223	215	180	147	62	11	15	41	31	122	212	240	1,500
Poppy Hill Booster Pump Station - PG&E	74600	223	215	180	147	62	11	15	41	31	122	212	240	1,500
Cathodic Protection	74700	148	144	120	98	42	7	10	27	21	81	142	160	1,000
		7,424	7,178	5,989	4,902	2,082	369	492	1,364	1,046	4,071	7,075	8,009	50,000
Reclamation Source Water	77600	594	574	479	392	167	30	39	109	84	326	566	641	4,000
4th Fairway Dry Weather Diversion Facility	77700	445	431	359	294	125	22	30	82	63	244	425	481	3,000
Remote Flow Monitoring	77900	594	574	479	392	167	30	39	109	84	326	566	641	4,000
Water Treatment Cost	77800	14,106	13,638	11,378	9,313	3,955	701	935	2,591	1,987	7,735	13,443	15,216	95,000
		15,739	15,217	12,696	10,391	4,413	783	1,043	2,891	2,217	8,630	15,000	16,978	106,000
Other professional services	75200	223	215	180	147	62	11	15	41	31	122	212	240	1,500
Permits	75300	4,454	4,307	3,593	2,941	1,249	221	295	818	628	2,443	4,245	4,805	30,000
Fuel	75500	594	574	479	392	167	30	39	109	84	326	566	641	4,000
Training & Tuitions	75600	371	359	299	245	104	18	25	68	52	204	354	400	2,500
SCADA System software/IT consulting	75800	1,485	1,436	1,198	980	416	74	98	273	209	814	1,415	1,602	10,000
Consulting Services		10,394	10,049	8,384	6,862	2,914	517	689	1,909	1,464	5,699	9,906	11,212	70,000
Reclamation Line Distribution System	76300	1,485	1,436	1,198	980	416	74	98	273	209	814	1,415	1,602	10,000
Viscaino Rd/Poppy Hills Pump Station	76400	2,079	2,010	1,677	1,372	583	103	138	382	293	1,140	1,981	2,242	14,000
Call Out Mileage Expense	76500	297	287	240	196	83	15	20	55	42	163	283	320	2,000
Forest Lake Reservoir - R & M	76600	5,197	5,025	4,192	3,431	1,457	258	345	955	732	2,850	4,953	5,606	35,000
Poppy Hills Storage Tank (2.5 million gallons)	76700	297	287	240	196	83	15	20	55	42	163	283	320	2,000
Rescue & Safety Supplies & Equipment	76800	0	0	0	0	0	0	0	0	0	0	0	0	0
Forest Lake Chemicals	76900	5,939	5,742	4,791	3,921	1,665	295	394	1,091	837	3,257	5,660	6,407	40,000
SCADA system equipment	77000	0	0	0	0	0	0	0	0	0	0	0	0	0
Forest Lake Reservoir - Material	77100	5,197	5,025	4,192	3,431	1,457	258	345	955	732	2,850	4,953	5,606	35,000
		39,496	38,187	31,859	26,076	11,074	1,964	2,619	7,256	5,564	21,658	37,642	42,606	266,000

**CAWD/PBCSD Reclamation Project**  
**Monthly Budget Projections**  
**2023-24**

	ACCT No.	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	ANNUAL BUDGET 2023-24
Consulting	76000	0	0	0	0	0	0	0	0	0	0	0	0	0
Remote Flow Monitoring	77900	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		73,276	70,847	59,107	48,378	20,546	3,644	4,858	13,461	10,323	40,180	69,835	79,045	600,000
General Manager	81000	83	124	83	83	83	83	124	83	83	83	83	83	1,078
Project Accountant	81200	1,022	1,533	1,022	1,022	1,022	1,022	1,533	1,022	1,022	1,022	1,022	1,022	13,283
Engineering Assistant	81100	0	0	0	0	0	0	0	0	0	0	0	0	0
Secretary/Finance Tech.	81400	963	1,445	963	963	963	963	1,445	963	963	963	963	963	12,523
Payroll Taxes & Benefits	82100	1,034	1,551	1,034	1,034	1,034	1,034	1,551	1,034	1,034	1,034	1,034	1,034	13,442
Indirect Overhead	82100	0	0	0	0	0	0	0	0	0	0	0	0	0
		3,102	4,653	3,102	3,102	3,102	3,102	4,653	3,102	3,102	3,102	3,102	3,102	40,326
Office Supplies & Postage	84000	37	36	30	25	10	2	2	7	5	20	35	40	250
Audit & Consulting Fees	84100	0	5,000	10,000	2,355	0	0	0	0	0	0	0	0	17,355
Employee Training	84200	0	0	0	0	0	0	0	0	0	0	0	0	0
Directors Fees	85000	148	144	120	98	42	7	10	27	21	81	142	160	1,000
Legal Notices	89400	0	0	0	0	0	0	0	0	0	0	0	0	0
Legal Fees	89400	111	108	90	74	31	6	7	20	16	61	106	120	750
Insurance Expense	89500	8,018	7,752	6,468	5,294	2,248	399	532	1,473	1,130	4,397	7,642	8,649	54,000
		8,315	13,039	16,707	7,845	2,331	413	551	1,527	1,171	4,559	7,925	8,970	73,355
		11,417	17,692	19,809	10,947	5,433	3,515	5,204	4,629	4,273	7,661	11,027	12,072	113,681
General Manager	91000	965	933	779	637	271	48	64	177	136	529	920	1,041	6,500
Admin Services Manager	91200	1,277	1,235	1,030	843	358	63	85	235	180	700	1,217	1,377	8,600
Accountant	91300	653	632	527	431	183	32	43	120	92	358	623	705	4,400
Chief Tech Officer	91500	1,114	1,077	898	735	312	55	74	205	157	611	1,061	1,201	7,500
Payroll Taxes & Benefits& O.H.	92100	0	0	0	0	0	0	0	0	0	0	0	0	0
		4,009	3,876	3,234	2,647	1,124	199	266	736	565	2,198	3,821	4,325	27,000
CAL-Am Water Meter Svc. Chg.	94300	6,201	5,995	5,002	4,094	1,739	308	411	1,139	874	3,400	5,909	6,689	41,760
Legal Fees	99400	74	72	60	49	21	4	5	14	10	41	71	80	500
Software Maint Fees	99410	668	646	539	441	187	33	44	123	94	366	637	721	4,500

**CAWD/PBCSD Reclamation Project**  
**Monthly Budget Projections**  
**2023-24**

	ACCT No.	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	ANNUAL BUDGET 2023-24
		10,284	9,943	8,295	6,790	2,883	511	682	1,889	1,449	5,639	9,801	11,094	73,760
PBCo / IRWUG Representative		4,757	4,757	4,757	4,757	4,757	4,757	4,757	4,757	4,757	4,757	4,757	4,757	57,084
Total Expenses		410,121	428,689	351,531	291,953	154,866	73,047	104,253	120,571	105,383	249,913	393,463	438,047	3,232,836
Exp less Revenues		281,777	240,273	206,575	164,853	39,133	(38,643)	(58,381)	6,532	(7,905)	129,484	265,942	308,324	1,426,965
POTABLE WATER COSTS	99601	1,002	969	808	662	281	50	66	184	141	550	955	1,081	6,750
		280,775	239,304	205,767	164,191	38,852	(38,693)	(58,447)	6,348	(8,047)	128,935	264,987	307,242	1,420,215
Interest Income - Reserve Funds	551	1,485	1,436	1,198	980	416	74	98	273	209	814	1,415	1,602	10,000
Interest Income- Union Bank	553	11	11	9	7	3	1	1	2	2	6	11	12	75
Interest Income - Well Fargo/Phase	554	2	2	2	1	1	0	0	0	0	1	2	2	15
Water Entitlements	555	0	0	0	0	0	0	0	0	0	0	0	0	0
Gain/(loss) on Mkt Value of Securities	560	1,485	1,436	1,198	980	416	74	98	273	209	814	1,415	1,602	10,000
Interest Income-County	550	6	6	5	4	2	0	0	1	1	3	6	6	40
Interest Income - Bank of Amer.	549	6	6	5	4	2	0	0	1	1	3	6	6	40
Other Income	561	0	0	0	0	0	0	0	0	0	0	0	0	0
Bank Charges - BoA	571	(5)	(5)	(4)	(3)	(1)	(0)	(0)	(1)	(1)	(3)	(5)	(6)	(35)
Bond Carrying Costs	573	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Reserve Funds	10.1	0	0	0	0	0	0	0	0	0	0	0	0	0
Contribution to Capital Repl. Fund	11.1	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal		2,990	2,891	2,412	1,974	838	149	198	549	421	1,639	2,849	3,225	20,135
Interest Income - Construction Fd.	25100	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Income - Bond Fund	25101	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Income - W.F.-Construct.	25104	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss on Disposal	26300	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Expense - COP's	99958	0	0	0	0	0	0	0	0	0	0	0	0	0
Principal Payment - COP's	26450	0	0	0	0	0	0	0	0	0	0	0	0	0
L/C Carrying Costs	573	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Expense	576	(259,844)	(251,231)	(209,598)	(171,555)	(72,857)	(12,920)	(17,227)	(47,734)	(36,608)	(142,484)	(247,642)	(280,301)	(1,750,000)

**CAWD/PBCSD Reclamation Project**  
 Monthly Budget Projections  
 2023-24

	ACCT No.	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	ANNUAL BUDGET 2023-24
Interest Pymt to MPWMD		0	0	0	0	0	0	0	0	0	0	0	0	0
Principal Pymt to MPWMD		0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on Principal Advanced		0	0	0	0	0	0	0	0	0	0	0	0	0
Past LC fees/Bond Carry Cost payable		0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal		(259,844)	(251,231)	(209,598)	(171,555)	(72,857)	(12,920)	(17,227)	(47,734)	(36,608)	(142,484)	(247,642)	(280,301)	(1,750,000)
		(256,854)	(248,340)	(207,186)	(169,581)	(72,019)	(12,772)	(17,029)	(47,185)	(36,187)	(140,844)	(244,792)	(277,076)	(1,729,865)
		283,765	242,195	208,178	166,165	39,690	(38,545)	(58,249)	6,897	(7,625)	130,574	267,837	310,468	1,440,350

**CAWD/PBCSD Reclamation Project  
Non-Operating Expenses  
Fiscal Year 2023-24**

ITEM	Acct No.	Actual 2021-22	Estimated Actual 2022-23	Budget 2022-23	Proposed 2023-24 Budget	Comments	
<b>NON-OPERATING EXPENSES:</b>							
Project - Bond Carrying Costs	99956	15,467	20,000	20,000	0	Bond Carrying Costs	
						U.S. Bank (Admin fee)	\$3,850
						U.S. Bank (Incidental fee)	\$ 385
						Arbitrage Calculation - Yield Restriction (3-13 next due 3-23)	\$0
						Moody's - annual fee	\$5,000
						Standard & Poors - review credit rating	\$3,500
						Stifel, Nicolaus & Co - quarterly	\$16,000
						Total.....	\$28,735
Bank charges	99952	10	0	35	35	Stop payments (0 @ \$20) & wire transfer fees (3 @ \$25)	
L/C Carrying Costs	99959	26,504	26,650	24,000	0		
COP Interest Expense	99958	5,957	2,708	13,000	0		
COP Principal Payment	22041	2,500,000	2,600,000	2,600,000	0		
Interest on Principal Advanced	99957	44,931	61,515	35,880	0		
Past LC fees/Bond Carry Cost payable	22041	552,000	552,000	552,000	0		
Interest Payment to MPWMD	99961	5,083	0	0	0	Paid in full 10-31-21	
Funding Agreement with MPWMD		0	0	0	0		
R & D Water Sources		0	0	0	0		
Abandoned Well Costs/R&D Water Costs		0	0	0	0		
Contribution to Capital Replacement Fund	11.1	0	0	0	0	current balance 03-31-22	\$494.6K
Amortization Exp	99962	1,748,879	1,700,000	1,700,000	1,750,000		
<b>TOTAL NON OPERATING EXPENSES</b>		<b>4,898,833</b>	<b>4,962,873</b>	<b>4,944,915</b>	<b>1,750,035</b>		<b>64.6% decrease from 22-23 budget</b>
							<b>64.7% decrease from 22-23 Projected actual</b>
	COP	Payment 07/01	Year			Bond Carrying Costs	
		2,300,000	2019-20				
		2,400,000	2020-21				
		2,500,000	2021-22		552,000	yr ending 06-30-22	
		2,600,000	2022-23		552,000	yr ending 06-30-23	
		9,800,000					
	MPWMD	15,250	10/31/20 Interest				
		500,000	10/31/20 Principal				
		7,625	4/30/21 Interest				
		7,625	10/31/21 Interest				
		500,000	10/31/21 Principal				

CAWD/PBCSD Reclamation Project

Capital Budget

Fiscal Year 2023-24

<b>CAWD/PBCSD Reclamation Project</b>	<b>FY 2023/24 thru 2027/28</b>
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Project #	PROJECT	23/24	24/25	25/26	26/27	27/28	Unscheduled
<b>CAPITAL PROJECTS</b>							
1	CAWD WWTP Phase 2 - Reclamation Share	\$ 25,000					
2	CAWD 15-Year Treatment Facilities Master Plan	\$ 200,000					
3	PBCSD Pipeline Cathodic Protection (Carmel)	\$ 250,000					
4	PBCSD Viscaino Pumps & Motor Starters (2)	\$ 50,000					
5	PBCSD Flow Meters Remote Measuring System (12) Installatio	\$ 25,000					
<b>CAPITAL PURCHASES</b>							
a	CAWD Laboratory Ion Chromatograph (10% CAWD)	\$ 61,500					
b	CAWD ATL LIMS System new generation (50% CAWD)						\$ 38,790
c	CAWD Laboratory Autoclave (50% CAWD)	\$ 20,000					
d	CAWD Laboratory Dishwashers (2) (75% CAWD/25% Reclamation)						\$ 30,000
<b>Total</b>		<b>\$ 631,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,790</b>
RECLAMATION Share		\$ 615,350	\$ -	\$ -	\$ -	\$ -	\$ 26,895
PBCSD Share		\$ 5,378	\$ -	\$ -	\$ -	\$ -	\$ 7,493
CAWD Share		\$ 10,772	\$ -	\$ -	\$ -	\$ -	\$ 34,403
<b>Allocated Total</b>		<b>\$ 631,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 68,791</b>

1 **FY 2023-24 Budget**  
CAWD/PBCSD Reclamation Project

Project Name: WWTP Phase 2 - Reclamation Share  
Agency: CAWD  
Total Cost: \$ 255,127  
CY Budget \$ 25,000

Contact: Treanor  
Area: Effluent Building and Lab  
Asset Type: Electrical  
Avg Useful Life: 30 years  
Est Residual Life: 10 years  
% Consumed Life: 66%  
Category: Maintenance  
Urgency: High  
Carry Forward: No

**Project Description**

CAWD is currently constructing the Elec/Mech Rehab and Sludge Holding Tank Project which includes Reclamation costs for new electrical and wet well mixing equipment for the Effluent Building and new power feeder to the Laboratory. About 2.7% of the total project is attributable to Reclamation based on the bid price and contractor schedule of values.

Year Built: Various  
Rehabilitation Date (Extending life of Asset): Various  
Rehab Life Extension: 30 years

**Justification**

Electrical improvements are required to address aging electrical in the Effluent Building which includes the RO Concentrate Effluent Pump. The project also includes providing a new power feed to the lab so that the lab equipment has automatic standby power from the main switchgear. Additional cost attributable to Reclamation includes the Effluent Pump Station wet well mixing system which is needed to avoid build up of precipitates from RO Concentrate in the wet well which can cause discharge permit exceedences for TSS.

**Budget Impact/Other**

	Prior Yrs	23-24	24-25	25-26	26-27	27-28	Total
Labor	\$ 55,555						\$ -
Engineering	\$ 12,500						\$ -
Parts & Supplies	\$ 55,555						\$ -
Chemicals							\$ -
Utility							\$ -
Other	\$ 106,556	\$ 25,000					\$ 25,000
<b>Total</b>	<b>\$ 230,166</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>

2      **FY 2023-24 Budget**  
 CAWD/PBCSD Reclamation Project

Contact:            Treanor  
 Area                Tertiary/MF/RO  
 Asset Type:        NA  
 Avg Useful Life:   NA  
 Est Residual Life: NA  
 % Consumed Life: NA  
 Category:          Study  
 Urgency:            Med  
 Carry Forward:    No

Project Name: 15-Year Treatment Facilities Master Plan  
 Agency        CAWD  
 Total Cost:    \$    200,000  
 CY Budget     \$    200,000

**Project Description**  
 Development of a 15-year Capital Improvement Plan for the MF/RO and Tertiary Facilities.

Year Built:        NA  
 Rehabilitation Date (Extending life of Asset):    NA  
 Rehab Life Extension:            NA

**Justification**  
 Long Term Budget Planning

<b>Budget Impact/Other</b>							
	Prior Yr	23-24	24-25	25-26	26-27	27-28	Total
Labor							\$ -
Engineering	\$ 100,000.00	\$ 200,000					\$ 300,000
Parts & Supplies							\$ -
Chemicals							\$ -
Utility							\$ -
Other							\$ -
<b>Total</b>	<b>\$ 100,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>



a **FY 2023-24 Budget**  
CAWD/PBCSD Reclamation Project

Contact: Waggoner  
Area: Misc Structures  
Asset Type: Support Equipment  
Avg Useful Life: 10 years  
Est Residual Life: 1 year  
% Consumed Life: 97%  
Category: Capital Equipment  
Urgency: 2 = Very Important  
Carry Forward: Yes

Project Name: Laboratory Ion Chromatograph (90% Reclamation)  
Agency:  
Total Cost: \$ 61,500  
CY Budget

**Asset Description**

The Ion Chromatograph unit is a Laboratory instrument used to analyze various chemical constituents for the process control and reporting for the Reclamation Project.

Year Built: Jul-05  
Rehabilitation Date (Extending life of Asset): N/A  
Rehab Life Extension: N/A

**Justification**

The Ion Chromatography unit (IC) is coming to the end of its useful life as outlined by the manufacturer service representative. The manufacture of the Ion Chromatography unit will stop supporting parts and services in the next two years. Once that support stops replacement parts and consumables will become difficult to obtain along with service request of the equipment. The Ion Chromatography unit is used to analyze the reclaim water sent to Pebble Beach for golf course irrigation. The samples are tested at different intervals ranging from weekly, monthly and daily if needed. Samples collected and tested on a weekly schedule are the Reclaim Line and MF/RO Blend, for the monthly schedule samples that are collected are PBCSD Storage Tank, Pebble Beach Golf Course, Spanish Bay Golf Course and Forest Lake Reservoir, and depending if Pebble Beach Wells are turned on there are three other samples. The specific analysis that can be performed on the IC are the Anion and Cation ions in the water sample. The Anions are negative charged ions- Fluoride, Chloride, Nitrate, Sulfate and Phosphate. The Cations are positive charged ions- Sodium, Ammonium, Potassium, Magnesium, Calcium. Also the Sodium Absorption Ratio (SAR) and Adjusted SAR are calculated from the various test. Since the feed source of water is coming from the CAWD Secondary Effluent we are also testing the water coming in.

Budget Impact/Other							
	Prior Yr	23-24	24-25	25-26	26-27	27-28	Total
Labor							\$ -
Engineering							\$ -
Parts & Supplies		\$ 61,500					\$ 61,500
Chemicals							\$ -
Utility							\$ -
Other							\$ -
<b>Total</b>	\$ -	\$ 61,500	\$ -	\$ -	\$ -	\$ -	\$ 61,500

b **FY 2022-23 Budget**  
Carmel Area Wastewater District

Contact: Waggoner  
Area: Misc Structures  
Asset Type: Office Equip  
Avg Useful Life: 20 years  
Est Residual Life: 15 years  
% Consumed Life: 25%  
Category: Capital Equipment  
Urgency: 5 = Future  
Carry Forward: Yes

Project Name: ATL Laboratory Information Management System (LIMS)  
Dept: Treatment  
Total Cost: \$ 38,790  
CY Budget \$ -  
GL Account:

**Asset Description**

The Accelerated Technology Laboratory (ATL) Laboratory Information Management System (LIMS) is used for laboratory data management. All the laboratory data (NPDES and process control) is entered into the LIMS and able to generate reports, and queries from all the different projects and analysis tests.

Year Built: 2014  
Rehabilitation Date (Extending life of Asset): N/A  
Rehab Life Extension: N/A

**Justification**

This is entered into the "Unscheduled" due to uncertainty of when ATL will update the software current version being used. ATL works from the Microsoft programs and when Microsoft makes changes to the operating system some of the ATL features will not work. The ATL representative could not give me any updates on what Microsoft will upgrade. The new version of LIMS are built from different modules that the customer would like to have.

**Budget Impact/Other**

		Unscheduled	Total
Labor			
Engineering			\$ -
Parts & Supplies		\$ 36,000	\$ 36,000
Chemicals			\$ -
Utility			\$ -
Other		\$ 2,790	\$ 2,790
<b>Total</b>	<b>\$ -</b>	<b>\$ 38,790</b>	<b>\$ 38,790</b>

c **FY 2022-23 Budget**  
Carmel Area Wastewater District

Contact: Waggoner

Area Lab

Project Name: Laboratory Autoclave  
Dept: Treatment  
Total Cost: \$ 20,000  
CY Budget \$ -  
GL Account:

Asset Type: Support Equipment  
Avg Useful Life: 20 years  
Est Residual Life: 1 year  
% Consumed Life: 95%  
Category: Capital Equipment  
Urgency: 3 = Important  
Carry Forward: Yes

**Asset Description**

The autoclave is used for sterilizing bacteriological media used for microbiological analysis of the final effluent, tertiary effluent and ocean receiving samples if needed. The unit

Year Built: 1993  
Rehabilitation Date (Extending life of Asset): N/A  
Rehab Life Extension: N/A  
Asset Condition Rating: Rehab unlikely

**Justification**

Lab staff has been able to keep autoclave operational by changing gaskets so that the unit can maintain the correct sterilization temperature and pounds per square inch (psi). The

**Asset Risk Management Strategy**

Capital Improvement Risk Plan Rehabilitation/Replacement  
Maintenance Risk Management Predictive & Preventative Maintenance  
Non Asset Risk Management

**Funding Source**

Primary CAWD 50% Secondary Reclamation 50%

**Budget Impact/Other**

	Prior Yr	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 20,000				\$	20,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
<b>Total</b>	\$	- \$	- \$ 20,000	\$	- \$	- \$	- \$	- \$ 20,000

c **FY 2023-24 Budget**  
 Carmel Area Wastewater District

Project Name: Laboratory Dishwashers (2) (75% CAWD/25% Reclamation)  
 Dept: Treatment  
 Total Cost: \$ 30,000  
 CY Budget \$ -  
 GL Account:

Contact: Waggoner  
 Area: Lab  
 Asset Type: Process Equip (Chemical)  
 Avg Useful Life: 10 years  
 Est Residual Life: 5 years  
 % Consumed Life: 50%  
 Category: Capital Equipment  
 Urgency: 5 = Future  
 Carry Forward: Yes

**Asset Description**

The laboratory uses two specialized, industrial dishwasher configured for different bottle washing uses. One dishwasher is used for glassware of BOD bottles, beakers and flasks that go through a washing cycle of hot water, soap wash, rinse -tap and DI water, and acid wash. The second dishwasher is used as a universal wash that larger items can be washed and the sample bottles used for sample collection.

Year Built: 2016  
 Rehabilitation Date (Extending life of Asset): N/A  
 Rehab Life Extension: N/A  
 Asset Condition Rating: Good

**Justification**

This is listed as "Unscheduled", the dishwashers are currently working well - no time frame when to replace. These Laboratory dishwashers are Speciality Industrial Units designed to accommodate specifically designed laboratory glassware and equipment.

**Budget Impact/Other**

	Unscheduled	Total
Labor	\$ 2,000	\$ 2,000
Engineering		\$ -
Parts & Supplies	\$ 26,000	\$ 26,000
Chemicals		\$ -
Utility		\$ -
Other	\$ 2,000	\$ 2,000
<b>Total</b>	<b>\$ -</b>	<b>\$ 30,000</b>

**CAWD/PBCSD RECLAMATION PROJECT**  
**STATUS OF FY 2022-23 CAPITAL OUTLAYS AND 2023-24 PROPOSED BUDGET**

ITEM	Actual thru 3/31/23	Projected thru 6/30/23	FY 2022-23 Original Budget	FY 2022-23 Adjusted Budget	STATUS	\$ to Rebudget	Comments/Notes
<b>CAPITAL FY 2022-23</b>							
Pipeline Cathodic Protection (Carmel)	-	-	250,000	250,000	Re-budget in FY 2023-24	250,000	
Flow Meters Remote Measuring System (12)	2,005	37,000	120,000	120,000	Re-budget in FY 2023-24	25,000	Purchase Meters \$35K by 6-30-23; Rebudget \$25K for install
Forest Lake Mixers Installation	11,328	11,328	25,000	25,000	Complete & In Service		
Forest Lake Backwash Basin Pump	17,672	17,672	25,000	25,000	Complete & In Service		
Bird Rock Well No. 2	51,327	250,000	-	250,000	Planned completion by 6/30/23		Budget Addition - PBCSD Board Sep 30, 2022; RMC Nov 2022
<b>TOTAL PBCSD CAPITAL EXPENSES</b>	<b>82,331</b>	<b>316,000</b>	<b>420,000</b>	<b>670,000</b>			

PROPOSED BUDGET FY 2023-24		Proposed FY 2023-24	DESCRIPTION
Pipeline Cathodic Protection (Carmel)	Rebudget	\$ 250,000	Rebudget from 2022/23: The recycled water transmission main throughout the City of Carmel is not protected against corrosion. A cathodic protection system is scheduled be designed and installed to reduce the potential for corrosion and extend the useful life of the pipeline.
Viscaino Pumps & Motor Starters (2)	LTCOP (Mar 2023)	50,000	Replace the two potable water pumps and motor starters at the Viscaino pump station that supplies potable water to the 2.5 million-gallon storage tank.
Flow Meters Remote Measuring System (12) Installation	Rebudget	25,000	Re-budget for installation of meters & related equipment which are planned to be purchased prior to 6-30-23
<b>TOTAL PBCSD CAPITAL EXPENSES</b>		<b>325,000</b>	

**CAWD/PBCSD Reclamation Project**

**RECLAIMED & POTABLE WATER SALES**

Total Water sales - excluding meter changes.

Year	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Annual Change
1994-95 (partial year)	n/a	n/a	675,863	780,669.00	\$1,155	
1995-96	277.00	726.56	1,003.56	1,142,810.00	\$1,139	46.39%
1996-97	372.00	689.00	1,061.00	1,291,410.00	\$1,217	13.00%
1997-98	166.31	626.00	792.31	960,924.43	\$1,213	-25.59%
1998-99	189.53	646.37	835.90	1,004,078.00	\$1,201	4.49%
1999-00	282.92	780.41	1,063.33	1,278,885.77	\$1,203	27.37%
2000-01	317.00	636.00	953.00	1,379,969.00	\$1,448	7.90%
2001-02	344.37	642.49	986.86	1,413,050.00	\$1,432	2.40%
2002-03	272.16	706.55	978.71	1,406,089.00	\$1,437	-0.49%
2003-04	486.60	810.31	1,296.91	2,158,690.00	\$1,664	53.52%
2004-05	240.79	684.36	925.15	1,544,984.00	\$1,670	-28.43%
2005-06	156.16	718.51	874.67	1,490,644.00	\$1,704	-3.52%
2006-07	181.21	883.00	1,064.21	1,891,132.53	\$1,811	26.87%
2007-08	128.92	1,061.01	1,189.93	2,235,363.00	\$1,879	18.20%
2008-09	56.00	980.00	1,036.00	1,915,828.00	\$1,849	-14.29%
2009-10	61.84	866.66	928.50	1,807,929.00	\$1,947	-5.63%
2010-11	0.00	867.00	867.00	1,840,264.00	\$2,123	1.79%
2011-12	0.00	977.00	977.00	2,344,687.00	\$2,400	27.41%
2012-13	0.00	964.00	964.00	4,315,770.67	\$4,477	84.07%
2013-14	0.00	1,039.00	1,039.00	5,420,192.00	\$5,217	25.58%
2014-15	0.00	1,001.30	1,001.30	5,379,027.00	\$5,372	-0.76%
2015-16	24.00	1,006.00	1,030.00	5,513,758.00	\$5,353	2.50%
2016-17	0.00	839.00	839.00	5,661,358.00	\$6,748	2.68%
2017-18	0.00	1,032.00	1,032.00	6,328,302.00	\$6,132	11.78%
2018-19	15.37	894.00	909.37	6,299,411.00	\$6,927	-0.46%
2019-20	0.00	1,066.00	1,066.00	7,163,291.00	\$6,720	13.71%
2020-21	0.00	1,025.00	1,025.00	6,838,737.84	\$6,672	-4.53%
2021-22	0.00	1,077.00	1,077.00	7,220,935.02	\$6,705	5.59%
2022-23 (est.)	0.00	896.60	896.60	7,385,226.60	\$8,237	2.28%
2023-24 (budget)	0.00	1,000.00	1,000.00	4,734,801.31	\$4,735	-35.89%

Actual 2022-23	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-22	0.00	146.00	146.00	837,083.00	5,733.00	-14.49%
Aug-22	0.00	143.00	143.00	826,901.00	5,783.00	-13.75%
Sep-22	0.00	103.00	103.00	690,321.00	6,702.00	-0.04%
Oct-22	0.00	75.00	75.00	593,252.00	7,910.00	17.98%
Nov-22	0.00	18.00	18.00	398,103.00	22,117.00	229.87%
Dec-22	0.00	1.00	1.00	342,061.00	342,061.00	5001.83%
Jan-23	0.00	2.00	2.00	346,558.00	173,279.00	2484.45%
Feb-23	0.00	4.00	4.00	350,618.00	87,655.00	1207.37%
Mar-23 est.	0.00	31.00	31.00	685,627.00	22,117.00	229.87%
Apr-23 est.	0.00	79.40	79.40	628,054.00	7,910.00	17.98%
May-23 est.	0.00	138.00	138.00	791,154.00	5,733.00	-14.49%
Jun-23 est.	0.00	156.20	156.20	895,494.60	5,733.00	-14.49%
YTD	0.00	896.60	896.60	7,385,226.60	8,237.00	22.85%

Actual 2021-22	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-21	0.00	122.00	122.00	694,873.84	5,696.00	-15.04%
Aug-21	0.00	132.00	132.00	723,497.84	5,481.00	-18.25%
Sep-21	0.00	121.00	121.00	691,107.65	5,712.00	-14.81%
Oct-21	0.00	72.00	72.00	551,595.94	7,661.00	14.26%
Nov-21	0.00	33.00	33.00	440,602.39	13,352.00	99.14%
Dec-21	0.00	9.00	9.00	365,237.13	40,582.00	505.28%
Jan-22	0.00	26.00	26.00	418,126.37	16,082.00	139.86%
Feb-22	0.00	74.00	74.00	556,358.86	7,518.00	12.13%
Mar-22	0.00	74.00	74.00	556,463.00	7,520.00	12.16%
Apr-22	0.00	86.00	86.00	591,612.00	6,879.00	2.60%
May-22	0.00	164.00	164.00	816,539.00	4,979.00	-25.74%
Jun-22	0.00	164.00	164.00	814,921.00	4,969.00	-25.89%
YTD	0.00	1,077.00	1,077.00	7,220,935.02	6,705.00	0.00%

Actual 2020-21	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-20	0.00	146.00	146.00	730,113.74	5,001.00	-25.04%
Aug-20	0.00	128.00	128.00	682,039.00	5,328.00	-20.14%
Sep-20	0.00	105.00	105.00	621,987.97	5,924.00	-11.21%
Oct-20	0.00	101.00	101.00	610,503.60	6,045.00	-9.40%
Nov-20	0.00	51.00	51.00	479,193.55	9,396.00	40.83%
Dec-20	0.00	22.00	22.00	402,919.10	18,315.00	174.51%
Jan-21	0.00	13.00	13.00	378,586.19	29,122.00	336.48%
Feb-21	0.00	8.00	8.00	364,055.73	45,507.00	582.07%
Mar-21	0.00	46.00	46.00	466,058.67	10,132.00	51.86%
Apr-21	0.00	117.00	117.00	654,258.85	5,592.00	-16.19%
May-21	0.00	136.00	136.00	702,903.82	5,168.00	-22.54%
Jun-21	0.00	152.00	152.00	746,117.62	4,909.00	-26.42%
YTD	0.00	1,025.00	1,025.00	6,838,737.84	6,672.00	0.00%

Actual 2019-20	Potable AF	Reclaimed AF	Total AF	Total Water Sales	Cost per AF	Cost per AF Est. Act. Variance
Jul-19	0.00	155.00	155.00	776,100.00	5,007.00	-25.49%
Aug-19	0.00	155.00	155.00	776,422.00	5,009.00	-25.46%
Sep-19	0.00	139.00	139.00	729,402.00	5,247.00	-21.92%
Oct-19	0.00	127.00	127.00	697,805.00	5,495.00	-18.23%
Nov-19	0.00	51.00	51.00	481,889.00	9,449.00	40.61%
Dec-19	0.00	2.00	2.00	343,410.00	171,705.00	2455.13%
Jan-20	0.00	3.00	3.00	346,009.00	115,336.00	1616.31%
Feb-20	0.00	46.00	46.00	466,461.00	10,140.00	50.89%
Mar-20	0.00	19.00	19.00	391,008.00	20,579.00	206.24%
Apr-20	0.00	61.00	61.00	576,389.00	9,449.00	40.61%
May-20	0.00	151.00	151.00	792,297.00	5,247.00	-21.92%
Jun-20	0.00	157.00	157.00	786,099.00	5,007.00	-25.49%
YTD	0.00	1,066.00	1,066.00	7,163,291.00	6,720.00	0.00%

## Cost Breakdown 2023-24

### Operating Costs - billed per AF usage

Operating Expenses	3,239,586.31
MPWMD fee	75,000.00
Prior Yr O&M rollover	0.00
	3,314,586.31

Estimated AF 1,000.00

Price per AF 3,314.59

### Non Operating Costs - billed per Agreement %

Addition to Reserves	825,000.00
Non Operating	(20,135.00)
Capital Budget	615,350.00
Prior Yr Capital Projects (rollover)	0.00
	1,420,215.00

### Monthly

MPCC-Dunes	12.13%	14,350.09
MPCC-Shore	12.13%	14,350.09
Cypress Point	12.13%	14,350.09
Poppy Hills	12.13%	14,350.09
Pebble Beach	12.13%	14,350.09
Spyglass Hill	12.13%	14,350.09
Spanish Bay	12.13%	14,350.09
PB Range	3.63%	4,290.23
Peter Hay	3.50%	4,142.29
PB Resorts	3.50%	4,142.29
Equestrian Center	3.00%	3,550.54
Stevenson School	1.50%	1,775.27
	100.00%	118,351.25

## CAWD-PBCSD Reclamation Project Cash Flow Analysis

As of March 31, 2023

Projected to June 30, 2023

Unrestricted cash per Balance Sheet at 6-30-13	1,289,200.47
Net Income per Income Statement at 6-30-14	1,541,422.40
Net Income per Income Statement at 6-30-15	1,458,758.12
Net Income per Income Statement at 6-30-16	1,224,125.25
Net Income per Income Statement at 6-30-17	1,640,115.74
Net Income per Income Statement at 6-30-18	2,161,733.90
Net Income per Income Statement at 6-30-19	1,685,371.22
Net Income per Income Statement at 06-30-20	2,569,737.58
Net Income per Income Statement at 06-30-21	2,524,469.00
Net Income per Income Statement at 06-30-22	2,387,357.00
Net Income per Income Statement at 03-31-23	2,563,074.30
Amortization at 6-30-14	1,585,572.00
Amortization at 6-30-15	1,589,847.00
Amortization at 6-30-16	1,592,269.00
Amortization at 6-30-17	1,607,679.00
Amortization at 6-30-18	1,617,720.00
Amortization at 6-30-19	1,663,234.00
Amortization at 6-30-20	1,680,274.00
Amortization at 6-30-21	1,744,169.00
Amortization at 6-30-22	1,748,879.00
Amortization at 3-31-23	0.00
A/R at 3-31-23	(693,852.81)
A/R at 6-30-13	1,518,947.77
Other a/r at 3-31-23	(17,537.60)
Other a/r at 6-30-13	15,337.58
Capital at 3-31-23	(1,026,937.02)
Capital at 6-30-13	8,104.11
Water resale rights 3-31-23	(69,955,057.29)
Water resale rights 6-30-13	63,232,989.26
Restricted cash at 3-31-23	0.00
Restricted cash at 6-30-13	1,136.12
A/P at 3-31-23	397,891.08
A/P at 6-30-13	(147,777.11)
Due to MPWMD 3-31-23	43,896.00
Due to MPWMD 6-30-13	(171,097.22)
Due to PBCo 03-31-23	787,999.97



## CAWD-PBCSD Reclamation Project Cash Flow Analysis

As of March 31, 2023

Projected to June 30, 2023

Due to PBCo 6-30-13	0.00	
Accrual to Cash adjustments		8,823,685.84
PBCo COP payments FYE 6-30-14	(1,700,000.00)	
PBCo prior bond cost payments FYE 6-30-14	(552,000.00)	
PBCo working capital payments FYE 6-30-14	(1,641,213.00)	
PBCo COP payments FYE 6-30-15	(552,000.00)	
PBCo prior bond cost payments FYE 6-30-15	(1,700,000.00)	
PBCo COP payments FYE 6-30-16	(1,800,000.00)	
PBCo prior bond cost payments FYE 6-30-16	(552,000.00)	
PBCo COP payments FYE 6-30-17	(1,900,000.00)	
PBCo prior bond cost payments FYE 6-30-17	(552,000.00)	
PBCo COP payments FYE 6-30-18	(2,000,000.00)	
PBCo prior bond cost payments FYE 6-30-18	(552,000.00)	
PBCo COP payments FYE 6-30-19	(2,100,000.00)	
PBCo prior bond cost payments FYE 6-30-19	(552,000.00)	
PBCo COP payments at 6-30-20	(2,300,000.00)	
PBCo prior bond cost payments at 6-30-20	(552,000.00)	
PBCo COP payments at 6-30-21	(2,400,000.00)	
PBCo prior bond cost payments at 6-30-21	(552,000.00)	
PBCo COP payment at 6-30-22	(2,500,000.00)	
PBCo prior bond cost payments at 6-30-22	(552,000.00)	
PBCo bond payment 7-1-22	(2,600,000.00)	
Debt payments		(27,609,213.00)
Unrestricted Cash per Balance Sheet at 3-31-23		1,707,840.43
Unrestricted cash per Balance Sheet at 6-30-13		(1,289,200.47)
Increase (Decrease) in Unrestricted cash 3-31-23		418,639.96
Cash receipts-April estimated		380,000.00
Cash receipts-May estimated		540,000.00
Cash receipts-June estimated		650,000.00
Cash disbursements-April estimated		(425,000.00)
Cash disbursements-May estimated		(600,000.00)
Cash disbursements-June estimated		(450,000.00)
Estimated Increase (Decrease) in Unrestricted cash 6-30-23		513,639.96