



**Carmel Area Wastewater District
Preliminary Budget
July 1, 2024 – June 30, 2025**

Carmel Area Wastewater District

2024-25

Board of Directors

Ken White
Suzanne Cole
Michael Rachel
Robert Siegfried
Kevin Urquhart

Board President
Director (Budget Committee)
Director
Director (Budget Committee)
Director

Mission Statement

Carmel Area Wastewater District is a special district dedicated to protecting the public health and the environment by the cost-effective collection and treatment of wastewater and the return of clean water to the environment.



Carmel Area Wastewater District

Budget Acknowledgements

Budget Committee

Robert Siegfried, Director

Suzanne Cole, Director

Barbara Buikema, General Manager

Patrick Treanor, District Engineer

Management Team

Daryl Lauer, Collection Superintendent

Ed Waggoner, Operations Superintendent

Chris Foley, Maintenance Superintendent

Patrick Treanor, District Engineer

Jeff Bandy, Principal Engineer

Budget Summary

Carmel Area Wastewater District
Budget Summary
2024-25

Description	FY 22-23 Budget	FY 22-23 Actual	FY 23-24 Budget	FY 23-24 Year End Estimate	FY 24-25 Budget	% Chg. Prior Yr. Actual
Beginning Fund Balance		49,075,073		54,159,447		-100.00%
Operating Revenues - CAWD	11,169,528	12,306,511	12,494,704	12,152,885	12,181,589	0.24%
Operating Revenues - Recl	663,179	661,231	702,907	649,149	642,107	-1.08%
	11,832,707	12,967,742	13,197,611	12,802,034	12,823,696	0.17%
Op Expend. (less deprec.)						
Treatment	5,081,705	4,305,331	5,187,566	4,310,056	5,914,785	37.23%
Maintenance - Plant	0	0	0	0	0	∞
Administration	1,367,066	1,263,576	1,757,761	1,458,152	1,778,666	21.98%
Collection	2,172,582	1,920,560	2,488,418	1,937,135	3,104,780	60.28%
Waste to Energy	0	0	0	0	0	∞
Brine Disposal	5,462	5,463	5,938	4,216	4,000	-5.13%
Reclamation Project	663,179	719,955	702,907	594,023	642,107	8.09%
Total Operating Exp	9,289,994	8,214,885	10,142,590	8,303,582	11,444,339	37.82%
Operating Gain/(Loss)	2,542,714	4,752,857	3,055,021	4,498,452	1,379,357	-69.34%
(exclusive of depreciation)						
Depreciation Expense	2,669,000	2,926,861	2,669,000	2,936,671	2,936,671	0.00%
Operating Gain/(Loss)	(126,287)	1,825,996	386,021	1,561,781	(1,557,314)	-199.71%
Non Operating Revenues	4,713,276	5,066,783	4,403,201	4,650,309	4,100,519	-11.82%
Non Operating Reclamation	177,410	833,405	114,521	90,000	51,300	-43.00%
Non Operating Expend.	213,456	213,456	213,481	212,981	212,981	0.00%
Net Income/(Loss)	4,550,944	7,512,728	4,690,262	6,089,110	2,381,524	-60.89%

**Carmel Area Wastewater District
Budget Summary
2024-25**

Description	FY 22-23 Budget	FY 22-23 Actual	FY 23-24 Budget	FY 23-24 Year End Estimate	FY 24-25 Budget	% Chg. Prior Yr. Actual
Capital Budget						
Equipment Purchases						
Administration	0	11,149	13,500	0	78,000	
Collections	72,500	55,504	241,000	292,319	590,000	101.83%
Treatment	0	48,998	57,000	66,214	163,000	146.17%
Capital Improvement Projects						
Administration	0	0	0	0	0	
Collections	6,430,000	832,917	11,630,090	710,000	5,450,000	667.61%
Treatment Long Term Capital	8,900,750	3,573,242	3,921,500	2,200,000	1,050,000	-52.27%
Reclamation Project	177,410	833,405	114,521	90,000	51,300	-43.00%
Total Capital Budget	15,580,660	5,355,215	15,977,611	3,358,533	7,382,300	119.81%
Ending Fund Balance		54,159,447		59,826,695		

3

Revenues

**Carmel Area Wastewater District
Revenues Budget 2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
OPERATING REVENUES						
Sewer service fees - residents	9,941,528	10,329,427	10,561,010	10,247,895	10,247,895	0.0%
Treatment fees - PBCSD	1,160,000	1,910,374	1,873,694	1,870,000	1,873,694	0.2%
Permits & inspection fees	68,000	66,710	60,000	34,990	60,000	71.5%
Reclamation Proj O & M reimbursement	663,179	661,231	702,907	649,149	642,107	-1.1%
<i>Total Operating</i>	11,832,707	12,967,742	13,197,611	12,802,034	12,823,696	0.2%
NON OPERATING REVENUES						
Property tax revenue	2,376,600	2,635,209	2,600,000	2,582,346	2,633,993	2.0%
Interest Income	300,000	872,599	300,000	622,309	950,000	52.7%
Brine disposal	80,000	63,897	83,510	44,891	50,000	11.4%
Highlands Inn assessment revenue	213,456	213,456	213,480	213,480	212,891	-0.3%
Reimbursement from PBCSD for 1/3 secondary treatment plant improv.	1,723,220	1,165,584	1,148,011	1,135,075	198,635	-82.5%
Plant Connection fees	20,000	75,963	48,200	42,208	45,000	6.6%
Other	0	40,075	10,000	10,000	10,000	0.0%
Reclamation Project reimbursement	177,410	833,405	114,521	90,000	51,300	-43.0%
<i>Total Non Operating</i>	4,890,686	5,900,188	4,517,722	4,740,309	4,151,819	-12.4%
TOTAL REVENUES	16,723,393	18,867,930	17,715,333	17,542,343	16,975,515	-3.2%

Non-Operating Expenses

**Carmel Area Wastewater District
Non-Operating Expenses Budget
2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
NON OPERATING EXPENSES						
Debt Service - Principal*	185,000	185,000	195,000	195,000	205,000	5.13%
Debt Service - Interest	25,856	25,856	15,881	15,881	5,381	-66.12%
Bond Fees	2,600	2,600	2,600	2,100	2,600	23.81%
TOTAL	213,456	213,456	213,481	212,981	212,981	0.00%

Note:

- * Highlands Bond is charged to project participants annually on property tax statements in addition to annual user Highlands Bond maturity October 1, 2024

Consolidated Operating Expenses – Summary

**Carmel Area Wastewater District
Summary Departmental Operating Budget 2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Salaries						
Total Salaries	3,041,725	2,832,885	3,000,934	3,167,807	3,880,855	22.5%
Payroll Taxes						
Total Payroll Taxes	232,692	237,812	265,538	242,337	297,380	22.7%
Employee Benefits:						
Total Employee Benefits	919,619	801,876	994,657	808,818	996,675	23.2%
Directors Fees						
Total Directors Fees	33,200	25,011	33,000	31,542	32,700	3.7%
Trucks & Autos						
Total Trucks & Autos	72,910	59,774	284,281	90,948	72,970	-19.8%
Property/Liability/Cyber						
Total Insurance	184,234	206,631	225,100	266,603	277,211	4.0%
Audit/Financial Expense						
Total Audit/Financial Expense	22,550	35,700	28,800	31,293	30,145	-3.7%
Engineering Fees						
Total Engineering Fees	401,500	239,262	472,800	241,528	540,000	123.6%
Attorney Fees						
Total Attorney Fees	76,000	64,863	283,000	157,345	230,250	46.3%
Office Supplies & Service						
Total Office Supplies & Svc.	98,400	95,026	159,095	117,134	140,845	20.2%
Operating Supplies						
Total Operating Supplies	458,122	478,783	677,830	595,647	636,179	6.8%

**Carmel Area Wastewater District
Summary Departmental Operating Budget 2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
<i>Contractual Services</i>						
Total Contractual Services	871,576	808,316	988,740	822,411	1,574,865	91.5%
<i>Repairs & Maintenance</i>						
Total Maint & Repairs	1,010,315	929,766	1,282,870	505,713	1,365,370	170.0%
<i>Utilities</i>						
Total Utilities	341,921	345,890	369,278	316,739	372,214	17.5%
<i>Telephone</i>						
Total Telephone	40,113	40,607	41,640	42,947	38,799	-9.7%
<i>Travel & Training</i>						
Total Travel & Meetings	52,015	44,732	59,200	54,669	63,950	17.0%
<i>Permitting</i>						
Total Permitting	53,088	38,924	64,700	43,282	47,600	10.0%
<i>Membership/Subscriptions</i>						
Total Membership/Subscrip.	66,860	67,123	78,500	60,492	75,977	25.6%
<i>Safety</i>						
Total Safety Expenses	107,250	91,433	79,920	68,655	94,630	37.8%
<i>Other Expenses</i>						
Total Other Expense	541,700	45,345	49,800	43,649	34,800	-20.3%
CAWD Subtotal	8,625,790	7,489,760	9,439,683	7,709,559	10,803,414	40.1%
Reclamation Project	663,179	719,955	702,907	594,023	642,107	8.1%

**Carmel Area Wastewater District
Summary Departmental Operating Budget 2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Final Subtotal	9,288,969	8,209,715	10,142,590	8,303,582	11,445,521	37.8%
Depreciation Expense	2,669,000	2,669,000	2,669,000	2,669,000	2,669,000	0.0%
Total Operating Expense	11,957,969	10,878,715	12,811,590	10,972,582	14,114,521	28.6%

O & M Budget Collections Dept.

**Collection Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Salaries							
Salaries	5030.5	620,305	582,677	581,700	727,494	800,316	10.0%
Salaries - Overtime	5035.5	15,000	38,172	21,000	20,786	25,000	20.3%
Salaries - Standby	5040.5	17,400	19,598	21,000	21,674	27,375	26.3%
Internship Program		0	0	0	0	20,000	
<i>Total Salaries</i>		652,705	640,447	623,700	769,954	872,691	13.3%
Payroll Taxes							
Payroll Taxes	5045.5	46,583	47,529	47,800	58,902	66,761	13.3%
<i>Total Payroll Taxes</i>		46,583	47,529	47,800	58,902	66,761	13.3%
Employee Benefits							
Medical Insurance - Premium	5070.5	96,400	87,803	78,000	89,871	86,761	-3.5%
CalPERS retirement	5080.5	48,027	51,290	55,900	54,283	63,731	17.4%
Workers Compensation	5100.5	21,860	43,112	36,300	26,238	28,862	10.0%
Life Insurance	5110.5	605	634	605	660	578	-12.5%
PEHP	5120.5	7,099	6,915	7,500	7,719	8,742	13.2%
Dental Insurance/Claims	5130.5	6,700	4,574	6,000	3,155	4,800	52.1%
Vision Insurance	5140.5	1,565	1,444	1,600	1,462	1,565	7.0%
Long Term Disability	5150.5	3,477	3,527	3,600	3,566	5,075	42.3%
HSA Contributions	5160.5	7,600	7,147	6,800	6,433	14,232	121.2%
Employee Assistance Program	5180.5	700	123	500	217	500	130.2%
Employee Awards	5185.5	300	0	75	129	75	-42.0%
Employee lunches	5187.5	0	606	500	107	500	367.7%
Medical Exams	5200.5	1,300	543	500	140	250	79.0%
<i>Total Employee Benefits</i>		195,633	207,716	197,880	193,980	215,670	11.2%
Trucks & Autos							
Gasoline	5310.5	13,905	6,051	12,000	16,778	13,500	-19.5%
Diesel	5320.5	29,085	30,658	18,900	10,843	12,900	19.0%
Outside Repair Service	5345.5	6,000	10,032	12,640	28,979	19,300	-33.4%
Repair Parts	5350.5	15,000	4,525	15,000	22,258	17,000	-23.6%

**Collection Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
<i>Total Trucks & Autos</i>		63,990	51,265	58,540	78,858	62,700	-20.5%
<i>Property/Liability/Auto Insurance</i>							
Insurance	5480.5	39,752	38,807	39,000	46,974	49,375	5.1%
<i>Total Insurance</i>		39,752	38,807	39,000	46,974	49,375	5.1%
<i>Engineering Fees</i>							
Consulting Fees	5500.5	100,000	0	224,800	164,310	240,000	46.1%
<i>Total Engineering Fees</i>		100,000	0	224,800	164,310	240,000	46.1%
<i>Office Supplies & Service</i>							
Computers & IT Equip	5540.5	5,500	2,789	7,500	19,012	14,500	-23.7%
Furnishings & fixtures	5545.5	800	966	1,000	1,547	1,800	16.4%
Office supplies & Service	5570.5	2,000	415	2,100	1,257	1,700	35.3%
<i>Total Office Supplies & Svc.</i>		8,300	4,170	10,600	21,815	18,000	-17.5%
<i>Operating Supplies</i>							
Chemical Supplies	5710.5	9,500	7,919	11,400	11,609	15,600	34.4%
Janitorial Supplies	5730.5	250	307	400	250	400	60.0%
Tools	5780.5	3,000	3,643	27,500	5,638	13,000	130.6%
General Supplies	5790.5	21,000	33,838	39,000	33,974	38,000	11.8%
<i>Total Operating Supplies</i>		33,750	45,707	78,300	51,471	67,000	30.2%
<i>Contractual Services</i>							
Network Administration	5830.5	50,000	44,458	58,500	50,065	70,600	41.0%
Electrical Service	5855.5	15,000	10,808	18,000	13,836	16,000	15.6%
System Integrator	5858.5	5,000	300	5,000	0	3,000	
Root Foaming	5865.5	67,000	55,941	67,000	64,286	65,000	1.1%
Pump Station Monitoring	5870.5	0	3,868	0	0	0	
Collection System Capacity Monitoring	5875.5	10,000	30,034	14,000	0	50,000	

**Collection Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
					Year End		Prior Yr.
Description	Account	Budget	Actual	Budget	Estimate	Budget	Actual
Alarm Systems	5880.5	0	0	6,000	391	6,100	1458.6%
HR Consulting	5885.5	12,000	13,992	14,800	13,067	14,000	7.1%
Equipment Rental	5890.5	0	1,476	1,000	0	0	
Janitorial	5900.5	0	0	0	0	0	
Underground Service Alert	5930.5	3,900	3,363	4,000	6,657	4,500	-32.4%
Laundry	5940.5	5,500	4,876	5,500	5,372	6,000	11.7%
Landscape Maintenance	5980.5	0	0	0	0	0	
Waste Disposal	5990.5	0	0	1,000	0	1,000	
Legal			197	0	0	0	
Public Outreach			5,715	0	0	150,000	
<i>Total Contractual Services</i>		168,400	175,029	194,800	153,675	386,200	151.3%
<i>Repairs & Maintenance</i>							
General Repairs	6095.5	0	1,182	0	3,219	0	-100.0%
Easements Repairs/Clearing	6100.5	60,000	70,642	49,000	40,374	51,000	26.3%
Pump Station Equipment	6120.5	50,000	27,022	45,000	76,303	78,000	2.2%
Sewer Lines	6130.5	150,000	170,443	410,000	31,712	410,000	1192.9%
Standby Generators/Switchgear	6200.5	6,000	18,577	8,500	11,253	16,000	42.2%
Manholes	6140.5	362,300	308,839	410,000	138,684	460,000	231.7%
<i>Total Repairs & Maintenance</i>		628,300	596,706	922,500	301,546	1,015,000	236.6%
<i>Utilities</i>							
8th & Scenic	6343.5	1,200	1,096	1,200	1,210	1,300	7.4%
Bay & Scenic	6344.5	3,100	3,149	3,000	3,298	3,200	-3.0%
Monte Verde & 16th	6345.5	2,150	3,473	3,000	3,097	3,200	3.3%
Calle La Cruz	6346.5	5,500	4,778	4,500	5,452	4,800	-12.0%
Hacienda	6347.5	1,350	1,505	1,378	1,726	1,484	-14.0%
Highlands	6348.5	7,700	8,147	8,200	9,195	7,500	-18.4%
Natural Gas	6360.5	785	1,584	1,000	683	1,100	61.1%
Propane	6370.5	1,200	3,802	1,600	1,000	1,700	70.0%
Water	6380.5	2,200	2,368	2,200	2,103	2,400	14.1%

**Collection Dept
Budget 2024-25**

Description	Account	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
		Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Garbage	6385.5	2,000	0	2,200	0	2,200	
<i>Total Utilities</i>		27,185	29,902	28,278	27,764	28,884	4.0%
Telephone							
Fixed Costs	6392.5	14,000	12,331	12,000	10,134	12,500	23.3%
Cellular Phones	6393.5	5,000	2,180	5,000	8,117	5,000	-38.4%
<i>Total Telephone</i>		19,000	14,511	17,000	18,252	17,500	-4.1%
Travel & Training							
Employee Training	6420.5	9,500	868	6,000	11,724	10,000	-14.7%
Conferences	6430.5	6,200	8,283	7,000	7,381	8,000	8.4%
Business meetings	6440.5	800	576	600	243	600	146.8%
<i>Total Travel & Training</i>		16,500	9,728	13,600	19,348	18,600	-3.9%
Permitting							
Waterboard Permits	6470.5	3,100	3,453	4,000	4,145	4,300	3.7%
Air Pollution Control Permit	6480.5	3,500	3,950	4,300	3,511	5,300	51.0%
<i>Total Permitting</i>		6,600	7,403	8,300	7,656	9,600	25.4%
Membership/Subscriptions							
Employee Certification & Memberships	6550.5	3,200	3,143	4,800	2,152	3,520	63.6%
Subscriptions/Publications	6640.5	400	863	1,500	381	1,000	162.4%
<i>Total Membership/Subscrip.</i>		3,600	4,006	6,300	2,533	4,520	78.5%
Safety							
Emergency Response Equipment & Services	6735.5	2,050	6,000	3,450	3,041	4,750	56.2%
PPE & Safety Supplies	6750.5	8,000	3,208	5,720	3,307	14,370	334.5%
Safety Training & Policies	6760.5	28,000	38,430	7,850	13,749	12,660	-7.9%
<i>Total Safety</i>		38,050	47,637	17,020	20,097	31,780	58.1%

**Collection Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
<i>Other Expenses</i>							
Recruitment	8910.5	0	0	0	0	0	
Legal notices	8920.5	500	0	0	0	500	
Contingency	8980.5	123,734	0	0	0	0	
<i>Total Other Expenses</i>		124,234	0	0	0	500	
Subtotal Operating Expense		2,172,582	1,920,560	2,488,418	1,937,135	3,104,780	60.3%
Depreciation Expense	8997.5	335,000	447,931	335,000	447,931	447,931	0.0%
Total Operating Expense		2,507,582	2,368,492	2,823,418	2,385,066	3,552,711	49.0%

O & M Budget

Treatment & Disposal

**Treatment Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Salaries							
Salaries	5030.6	1,676,810	1,515,342	1,703,750	1,667,020	2,304,372	38.2%
Salaries - Overtime	5035.6	20,000	23,308	21,000	17,644	45,000	155.0%
Salaries-Standby	5040.6	17,400	18,594	18,000	18,790	54,750	191.4%
Internship Program		0	0	0	0	20,000	
<i>Total Salaries</i>		1,714,210	1,557,244	1,742,750	1,703,455	2,424,122	42.3%
Payroll Taxes							
Payroll Taxes	5045.6	134,486	141,437	166,000	130,314	185,445	42.3%
<i>Total Payroll Taxes</i>		134,486	141,437	166,000	130,314	185,445	42.3%
Employee Benefits:							
Medical Insurance - Premium	5070.6	270,800	274,024	267,000	272,466	307,821	13.0%
CalPERS retirement	5080.6	166,436	154,077	189,200	175,275	183,075	4.5%
Workers Compensation	5100.6	66,055	124,470	100,000	126,384	111,375	-11.9%
Life Insurance	5110.6	1,870	1,846	1,280	1,562	1,838	17.6%
PEHP	5120.6	25,099	24,362	26,900	25,634	25,896	1.0%
Dental Insurance/Claims	5130.6	18,800	22,560	18,000	20,091	20,508	2.1%
Vision Insurance	5140.6	5,170	4,439	5,200	4,353	5,170	18.8%
Long Term Disability	5150.6	13,348	12,260	13,400	11,219	15,610	39.1%
HSA Contributions	5160.6	30,200	28,632	28,100	23,200	40,980	76.6%
Employee Assistance Program	5180.6	1,870	391	390	692	400	-42.2%
Employee Awards	5185.6	0	25	2,600	250	2,700	980.0%
Annual District Picnic	5186.6	1,125	0	1,300	0	1,500	
Employee lunches	5187.6	0	2,068	0	121	120	-0.8%
Medical Exams	5200.6	210	2,518	600	793	650	-18.1%
Allocate to Reclamation	5205.6	(25,000)	(187,294)	(201,375)	(192,028)	(192,000)	0.0%
<i>Total Employee Benefits</i>		575,983	464,380	452,595	470,012	525,643	11.8%
Trucks & Autos							
Gasoline	5310.6	2,770	1,031	2,500	8,426	2,500	-70.3%
Diesel	5320.6	815	1,971	4,600	400	4,600	1050.0%

**Treatment Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Oil and Grease	5330.6	0	0	0	0	800	
Outside Repair Service	5345.6	1,700	1,076	197,691	2,440	1,500	-38.5%
Repair Parts	5350.6	2,500	4,251	20,250	224	70	-68.8%
<i>Total Trucks & Autos</i>		7,785	8,329	225,041	11,489	9,470	-17.6%
<i>Property/Liability/Auto Insurance</i>							
Insurance	5450.6	119,640	144,487	160,000	188,336	197,691	5.0%
<i>Total Insurance</i>		119,640	144,487	160,000	188,336	197,691	5.0%
<i>Engineering Fees</i>							
Consulting Fees	5500.6	300,000	236,762	238,000	76,852	290,000	277.4%
<i>Total Engineering Fees</i>		300,000	236,762	238,000	76,852	290,000	277.4%
<i>Attorney Fees</i>							
Legal Fees	5510.6	35,000	22,217	18,000	33,121	20,250	-38.9%
<i>Total Attorney Fees</i>		35,000	22,217	18,000	33,121	20,250	-38.9%
<i>Office Supplies & Service</i>							
Computers & IT Equip	5540.6	26,800	36,779	29,300	45,352	5,700	-87.4%
Furnishings & fixtures	5545.6	1,700	4,895	3,850	1,828	3,850	110.7%
Office supplies & Service	5570.6	9,200	5,147	3,845	5,286	3,845	-27.3%
Public Outreach & Promotion		0	13,336	0	0	0	
<i>Total Office Supplies & Service</i>		37,700	60,156	36,995	52,466	13,395	-74.5%
<i>Operating Supplies</i>							
Chemicals	5615.6	3,500	149	3,300	4,471	3,300	-26.2%
Phenylarsine oxide	5625.6	810	367	1,100	653	1,041	59.3%
Sodium bisulfite	5630.6	86,520	87,127	97,800	90,009	97,740	8.6%
Sodium hypochlorite	5635.6	109,000	143,774	228,700	263,921	228,690	-13.3%
Ferric chloride	5640.6	32,900	32,447	64,190	37,910	64,190	69.3%
Polymer	5650.6	65,000	58,624	80,800	60,645	80,791	33.2%

**Treatment Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Acetic Acid	5660.6	1,100	1,147	3,500	971	3,407	251.0%
Iodine solution	5665.6	300	132	900	124	891	617.8%
Potassium iodate	5670.6	1,000	429	1,700	519	1,659	219.6%
Generator fuel & oil		0	4,257	0	0	0	
Electrical		0	1,820	0	0	0	
Laboratory	5700.6	49,092	30,445	43,000	28,250	43,000	52.2%
Covid Safety		0	14,302	0	0	0	
Janitorial		0	15	0	0	0	
Radios & supplies	5745.6	2,200	864	3,840	938	3,840	309.4%
Tools	5780.6	9,500	10,720	11,900	5,829	11,900	104.1%
Pumps		0	3,236	0	0	0	
General Supplies	5790.6	53,200	41,209	26,400	48,853	26,330	-46.1%
Source control	5795.6	9,000	1,329	31,000	881	1,000	13.5%
<i>Total Operating Supplies</i>		423,122	432,392	598,130	543,973	567,779	4.4%
<i>Contractual Services</i>							
Sludge Haul/Disposal	5820.6	103,000	112,364	166,500	134,657	166,500	23.6%
Network Administration	5830.6	100,700	81,147	112,200	132,522	278,700	110.3%
Laboratory Analysis	5840.6	57,700	27,456	39,240	23,962	39,240	63.8%
Electrical Service/Microturbines	5855.6	100,000	80,193	80,000	43,100	80,000	85.6%
Mechanical Services	5856.6	30,000	3,754	15,000	0	15,000	
HVAC Service	5857.6	1,500	0	8,000	4,679	8,000	71.0%
System Integrator	5858.6	25,000	35,365	50,000	7,474	50,000	569.0%
Equipment Service	5859.6	2,000	2,414	0	0	0	
Alarm Systems	5880.6	4,000	2,310	2,500	1,834	2,500	36.3%
HR consulting	5885.6	50,000	43,029	47,000	39,205	46,285	18.1%
Equipment rental	5890.6	6,000	5,536	10,000	5,419	10,000	84.5%
Janitorial Service	5900.6	13,560	13,087	24,000	24,166	24,000	-0.7%
Copier Service	5910.6	3,000	1,145	1,500	1,131	1,500	32.6%
Laundry	5940.6	14,200	16,676	22,000	18,703	22,000	17.6%
Landscape Maintenance	5980.6	6,600	6,720	14,400	6,759	14,400	113.1%

**Treatment Dept
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Waste Disposal	5990.6	0	716	0	0	0	
Grit & Screening Disposal	6000.6	25,000	24,722	26,775	27,829	26,775	-3.8%
Pest Control	6010.6	3,400	3,588	3,500	4,372	5,700	30.4%
Instrumentation Services	6020.6	17,760	3,796	27,880	4,114	27,880	577.7%
Hoist Certification	6030.6	2,500	1,600	1,800	0	1,800	
Hazardous chemical disposal	6040.6	1,200	0	1,000	0	1,000	
Outfall Inspection	6045.6	15,130	0	16,000	12,229	16,000	30.8%
Lagoon inspection	6046.6	4,500	0	16,000	12,002	16,000	33.3%
Ocean Monitoring Program	6050.6	7,400	27,026	6,150	0	6,150	
Plant tree trimming	5982.6	0	7,500	0	0	0	
<i>Total Contractual Services</i>		594,150	500,143	691,445	504,158	859,430	70.5%
<i>Repairs & Maintenance</i>							
General Repairs	6095.6	20,000	22,906	12,000	11,562	12,000	3.8%
Microturbine R & M/Flare	6160.6	6,000	5,588	11,000	12,117	11,000	-9.2%
Standby Generator/Switchgear	6200.6	30,000	14,735	6,000	1,226	6,000	389.5%
Instruments		0	7,460	0	12,857	0	-100.0%
Aeration Blowers	6210.6	60,000		11,000	0	11,000	
Lab Equipment	6240.6	32,700	38,503	52,240	1,557	52,240	3255.4%
Pretreatment		0	11,805	0	0	0	
Influent/Headworks/Primary	6250.6	34,750	27,607	9,300	3,762	9,300	147.2%
Effluent/Outfall	6265.6	35,000	22,537	19,900	5,805	9,900	70.5%
Disinfection (Hypo/SBS/CDC)	6270.6	28,000	51,410	68,800	19,933	68,800	245.2%
Dewatering	6280.6	34,700	26,845	22,800	16,484	22,800	38.3%
Digester/DAFT/Heat Loop	6290.6	40,000	15,375	5,270	21,467	5,270	-75.5%
Secondary/RAS/WAS	6300.6	22,000	23,689	10,560	45,057	10,560	-76.6%
Plant Utilities (IPS/3PS/Storm PS)	6315.6	10,000	16,792	12,500	4,779	12,500	161.5%
Buildings	6320.6	25,000	17,210	105,000	29,834	105,000	251.9%
<i>Total Repairs & Maintenance</i>		378,150	302,463	346,370	186,441	336,370	80.4%
<i>Utilities</i>							

**Treatment Dept
Budget 2024-25**

Description	Account	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
		Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Electricity - Secondary	6352.6	236,069	145,972	162,000	122,269	162,000	32.5%
Electricity - Aeration	6353.6	0	70,746	84,000	79,097	84,000	6.2%
Electricity - Lab Tertiary	6354.6	0	8,511	0	3,559	0	-100.0%
Co-Gen Non-Energy Plant	6359.6	4,300	3,086	7,200	2,683	7,200	168.4%
Natural Gas	6360.6	51,160	55,522	60,000	54,879	60,000	9.3%
Propane	6370.6	1,000	592	1,200	539	1,200	122.4%
Water	6380.6	7,000	14,149	9,000	7,369	9,000	22.1%
Cable television	6390.6	1,400	1,174	1,200	1,200	1,200	0.0%
<i>Total Utilities</i>		300,928	299,752	324,600	271,595	324,600	19.5%
Telephone							
Fixed Costs	6392.6	10,000	15,831	13,140	13,264	13,140	-0.9%
Cellular Phones	6393.6	3,500	2,576	3,600	3,586	3,600	0.4%
<i>Total Telephone</i>		13,500	18,407	16,740	16,850	13,140	-22.0%
Travel & Training							
Employee Training	6420.6	15,145	13,155	21,300	27,621	21,300	-22.9%
Conferences	6430.6	8,970	9,489	12,900	0	12,900	
Business meetings	6440.6	700	220	700	0	700	
<i>Total Travel & Training</i>		24,815	22,864	34,900	27,621	34,900	26.4%
Permitting							
Waterboard Permits	6470.6	30,000	22,750	32,600	24,363	25,800	5.9%
Air Pollution Control Permit	6480.6	4,688	4,206	6,500	6,301	6,500	3.2%
Environmental Health Permit	6490.6	1,800	2,177	2,200	2,200	2,200	
Lab Registration Fees	6510.6	10,000	2,388	15,100	2,762	3,500	26.7%
<i>Total Permitting</i>		46,488	31,521	56,400	35,626	38,000	6.7%
Membership/Subscriptions							
Employee Certification & Memberships	6550.6	6,200	4,888	7,400	4,183	7,400	76.9%
Subscriptions/Publications	6640.6	3,400	2,736	4,100	3,034	4,100	35.1%

Treatment Dept
Budget 2024-25

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
<i>Total Membership/Subscrip.</i>		9,600	7,624	11,500	7,217	11,500	59.3%
Safety							
Emergency Response Equipment & Service	6735.6	1,700	12,955	13,100	12,641	13,050	3.2%
PPE & Safety Supplies	6750.6	15,500	3,945	9,700	10,997	9,700	-11.8%
Safety Training & Policies	6760.6	52,000	26,897	40,100	24,921	40,100	60.9%
<i>Total Safety</i>		69,200	43,796	62,900	48,559	62,850	29.4%
Other Expenses							
Rccruitment	8910.6	0	11,201	5,000	1,815	0	-100.0%
Legal notices	8920.6	0	156	200	156	200	28.2%
Contingency	8980.6	296,947	0	0	0	0	
<i>Total Other Expense</i>		296,947	11,357	5,200	1,971	200	-89.9%
Subtotal Operating Expense		5,081,705	4,305,331	5,187,566	4,310,056	5,914,785	37.2%
Depreciation Expense	8997.6	2,300,000	2,454,740	2,300,000	2,454,740	2,454,740	0.0%
Total Operating Expense		7,381,705	6,760,071	7,487,566	6,764,796	8,369,525	23.7%

O & M Budget Administration Dept.

**Administration
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Salaries							
Salaries	5030.7	672,010	627,121	623,084	681,871	576,042	-15.5%
Salaries - Overtime	5035.7	1,000	7,937	9,600	12,528	7,500	-40.1%
<i>Total Salaries</i>		673,010	635,058	632,684	694,398	583,542	-16.0%
Payroll Taxes							
Payroll Taxes	5045.7	51,485	48,836	51,600	53,121	44,641	-16.0%
<i>Total Payroll Taxes</i>		51,485	48,836	51,600	53,121	44,641	-16.0%
Employee Benefits:							
Medical Insurance - Premium	5070.7	37,000	31,829	33,000	34,843	37,282	7.0%
CalPERS retirement	5080.7	54,608	42,723	59,100	53,838	56,530	5.0%
SAM	5090.7	0	0	100,000	0	0	
Workers Compensation	5100.7	24,640	47,653	40,100	45,869	49,080	7.0%
Life Insurance	5110.7	475	468	550	468	475	1.5%
Section 115		0	0	100,000	0	100,000	
PEHP	5120.7	8,700	8,453	8,700	8,175	7,201	-11.9%
Dental Insurance/Claims	5130.7	8,800	4,793	10,000	7,760	8,800	13.4%
Vision Insurance	5140.7	1,550	1,355	1,600	1,219	1,355	11.2%
Long Term Disability	5150.7	3,480	2,977	3,200	2,790	3,200	14.7%
HSA Contributions	5160.7	5,000	4,427	4,300	4,059	5,000	23.2%
Employee Assistance Program	5180.7	250	89	90	158	90	-43.1%
Employee Awards	5185.7	0	75	500	157	500	218.5%
Annual District Picnic	5186.7	3,500	2,340	3,500	3,562	3,500	-1.7%
Medical Exams	5200.7	0	423	0	809	250	-69.1%
Allocate to Reclamation	5205.7	0	(17,824)	(20,458)	(18,881)	(17,900)	-5.2%
<i>Total Employee Benefits</i>		148,003	129,781	344,182	144,826	255,362	76.3%
Directors Fees							
Regular Board Meetings	5230.7	8,800	7,250	8,800	8,800	8,800	0.0%
PBCSD Director's Fees	5240.7	1,400	1,450	1,400	1,400	1,400	0.0%
Special Board Meetings	5250.7	7,600	2,850	6,400	6,400	6,400	0.0%

**Administration
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Committee Meetings	5260.7	2,300	3,750	3,700	3,700	3,700	0.0%
Special District Assoc	5265.7	100	0	1,400	1,400	1,400	0.0%
Training & Strategic Planning	5275.7	3,000	3,084	3,100	3,100	3,100	0.0%
Director's Dental Claims	5280.7	10,000	6,627	8,200	6,742	7,900	17.2%
<i>Total Directors Fees</i>		33,200	25,011	33,000	31,542	32,700	3.7%
Trucks & Autos							
Gasoline	5310.7	300	130	500	400	600	50.0%
Outside Repair Services	5345.7	410	0	0	0	0	
Repair Parts	5350.7	425	50	200	200	200	0.0%
<i>Total Trucks & Autos</i>		1,135	180	700	600	800	33.3%
Property/Liability/Auto Insurance							
Insurance	5450.7	24,842	23,338	26,100	31,293	30,145	-3.7%
<i>Total Insurance</i>		24,842	23,338	26,100	31,293	30,145	-3.7%
Audit/Financial Expense							
<i>Total Audit</i>	5490.7	22,550	35,700	28,800	31,293	30,145	-3.7%
		22,550	35,700	28,800	31,293	30,145	-3.7%
Engineering Fees							
<i>Total Engineering Fees</i>	5500.7	1,500	2,500	10,000	366	10,000	2635.8%
		1,500	2,500	10,000	366	10,000	2635.8%
Attorney Fees							
District Counsel	5510.7	41,000	42,646	265,000	124,224	210,000	69.0%
<i>Total Attorney Fees</i>		41,000	42,646	265,000	124,224	210,000	69.0%
Office Supplies & Service							
Bank Fees	5515.7	100	0	100	50	50	0.0%
Public Outreach & Promotion	5519.7	6,500	1,838	58,300	9,583	46,300	383.2%

**Administration
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Computers & Equipment	5540.7	5,000	6,357	8,700	14,154	8,700	-38.5%
Furnishings & Fixtures	5545.7	4,000	1,140	2,500	977	2,500	155.9%
Office Supplies & Service	5570.7	36,800	11,263	41,900	14,331	41,900	192.4%
Codification	5555.7	0	10,102	0	3,758	10,000	166.1%
<i>Total Office Supplies</i>		52,400	30,700	111,500	42,853	109,450	155.4%
Operating Supplies							
General Supplies	5790.7	1,250	537	1,400	203	1,250	514.4%
<i>Total Operating Supplies</i>		1,250	537	1,400	203	1,250	514.4%
Contractual Services							
Network Administration	5830.7	32,922	19,518	23,445	22,533	24,785	10.0%
Website Maintenance	5835.7	4,983	9,950	11,200	11,224	11,200	-0.2%
Alarm Systems	5880.7	2,200	2,069	2,100	2,776	2,100	-24.3%
HR consulting	5885.7	12,000	34,715	13,400	52,447	13,400	-74.5%
Staffing Analysis						45,000	
Executive Coaching						35,000	
Janitorial Service	5900.7	4,280	4,377	0	13,450	10,100	-24.9%
Copier Service	5910.7	4,328	3,591	1,300	4,505	5,600	24.3%
Actuarial Service	5920.7	10,000	9,431	10,300	13,084	10,300	-21.3%
Payroll Processing	5950.7	8,000	7,844	9,750	8,014	9,750	21.7%
Data Processing- County	5970.7	28,313	27,577	29,000	28,404	29,000	2.1%
Landscape Maintenance	5980.7	2,000	4,920	2,000	2,928	3,000	2.5%
Source Control	6025.7	0	0	0	0	45,000	
Temp Services		0	9,153	0	5,212	10,000	91.8%
Executive coaching services		0	0	0	0	30,000	
Staffing Analysis		0	0	0	0	45,000	
<i>Total Contractual Services</i>		109,026	133,145	102,495	164,578	329,235	100.0%
Buildings	6320.7	1,365	30,598	10,000	13,509	10,000	-26.0%

**Administration
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
<i>Total Repairs & Maintenance</i>		1,365	30,598	10,000	13,509	10,000	-26.0%
<i>Utilities</i>							
Electricity	6358.7	6,537	7,707	8,700	8,591	9,710	13.0%
Natural Gas	6360.7	3,552	4,583	3,800	3,590	4,000	11.4%
Water	6380.7	2,937	3,130	3,100	4,101	4,100	0.0%
Garbage	6385.7	781	816	800	1,098	920	-16.2%
<i>Total Utilities</i>		13,807	16,236	16,400	17,381	18,730	7.8%
<i>Telephone</i>							
Fixed Costs	6392.7	5,309	5,483	5,600	5,745	5,975	4.0%
Cellular Phones	6393.7	2,304	2,206	2,300	2,100	2,184	4.0%
<i>Total Telephone</i>		7,613	7,689	7,900	7,845	8,159	4.0%
<i>Travel & Training</i>							
Employee Training	6420.7	4,000	4,091	4,000	4,919	4,100	-16.6%
Conferences	6430.7	5,000	6,290	5,000	1,509	5,000	231.4%
Business meetings	6440.7	1,700	1,759	1,700	1,272	1,350	6.1%
<i>Total Travel & Meetings</i>		10,700	12,140	10,700	7,700	10,450	35.7%
<i>Membership/Subscriptions</i>							
LAFCO Admin Fee	6520.7	23,550	23,550	33,000	24,815	33,000	33.0%
Employee Certification & Memberships	6550.7	29,360	29,739	27,000	25,247	26,257	4.0%
Subscriptions/Publications	6640.7	750	2,204	700	680	700	2.9%
<i>Total Membership/Subscrip.</i>		53,660	55,493	60,700	50,742	59,957	18.2%
<i>Other Expenses</i>							
Recruiting		0	0	0	19,210	0	-100.0%
PPE & Safety Supplies	6750.7	1,700	79	1,400	3,248	1,400	-56.9%
Legal Notices	8920.7	1,000	726	1,000	630	700	11.1%

**Administration
Budget 2024-25**

		FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
Description	Account	Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Actual
Rate Payer Claims	8930.7	2,500	840	4,200	0	0	
CAWD Newsletter	8940.7	36,000	32,343	38,000	37,800	32,000	-15.3%
Contingency	8980.7	79,319	0	0	0	0	
<i>Total Other Expense</i>		120,519	33,988	44,600	41,678	34,100	-18.2%
Subtotal Operating Expense		1,367,066	1,263,576	1,757,761	1,458,152	1,778,666	22.0%
Depreciation Expense	8997.7	34,000	24,189	34,000	34,000	34,000	0.0%
Total Operating Expense		1,401,066	1,287,765	1,791,761	1,492,152	1,812,666	21.5%

O & M Budget Reclamation

**Carmel Area Wastewater District
Reclamation: Operations Budget 2024-25**

Description	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
	Budget	Year End Estimate	Budget	Year End Estimate	Budget	Prior Yr. Budget
Plant Salaries, Benefits & OH						
Plant Superintendent	17,010	17,010	18,031	22,555	24,230	7.4%
Laboratory Supervisor	24,971	24,971	26,469	42,795	45,975	7.4%
Laboratory Technician	70,597	70,597	74,833	33,079	35,535	7.4%
Plant Operators	194,097	194,097	205,743	190,523	204,670	7.4%
Maintenance Supervisor	16,677	16,677	17,678	12,442	13,365	7.4%
Maintenance Mechanics	25,082	25,082	26,587	24,198	25,995	7.4%
Safety Officer	13,361	13,361	14,163	10,787	11,590	7.4%
Differential	18,158	18,158	19,247	17,378	18,670	7.4%
Payroll Taxes, Benefits, & OH	189,976	189,976	201,375	176,879	190,015	7.4%
<i>subtotal</i>	569,929	569,929	604,125	530,636	570,045	7.4%
Administrative Salaries						
General Manager	1,017	1,311	1,078	987	1,060	7.4%
Project Accountant	12,531	11,545	13,283	10,333	11,100	7.4%
Engineering	13,238	33,787	14,032	5,904	6,345	7.5%
Admin. Svcs/Scanner	11,814	22,791	12,523	21,939	23,570	7.4%
Payroll Taxes, Benefits, & OH	19,300	34,717	20,458	19,581	21,037	7.4%
<i>subtotal</i>	57,900	104,151	61,374	58,744	63,112	7.4%
Directors Fees	1,050	850	1,050	1,050	1,050	0.0%
Insurance	20,000	27,257	21,200	0	0	
Operating Supplies/Services	8,500	1,402	9,010	1,152	1,200	4.2%
Contract Services	0	2,260	0	1,111	1,200	8.0%
Repairs & Maintenance	4,300	14,106	4,558	861	5,000	480.5%
Utilities	0	0	0	0	0	
Safety	1,500	0	1,590	469	500	6.5%
Total Reimbursable Reclamation	663,179	719,955	702,907	594,023	642,107	-2.4%

Project Expenditures

Note: CAWD salary adjustment March 2024 = 4.5% and on July 1, 2024 = 2.8%

O & M Budget Brine Disposal

**Carmel Area Wastewater District
Brine Disposal: Operations Budget 2024-25**

Description	Account	FY 22-23	FY 22-23	FY 23-24	FY 23-24	FY 24-25	% Chg.
		Budget	Actual	Budget	Year End Estimate	Budget	Prior Yr. Budget
Salaries & Payroll Taxes							
Salaries	5030.10	1500	136	1,500	0	500	
Overtime	5035.10	300	0	300	0	0	
Payroll taxes	5045.10	138	11	138	0	0	
<i>subtotal</i>		1,938	147	1,938	0	0	
Operating Supplies							
General supplies	5790.10	0	147	0	0	150	
<i>subtotal</i>		0	147	0	0	0	
Repairs & Maintenance							
General Repairs	6095.10	2500	0	4,000	4,216	4,000	-5%
<i>subtotal</i>		2,500	0	4,000	4,216	4,000	-5%
Lab Services							
Lab Services		0	0	0	0	0	
<i>subtotal</i>		0	0	0	0	0	
Subtotal Operating Expense		5,462	5,463	5,938	4,216	4,000	-5%
Depreciation Expense		0	0	0	0	0	
Total Operating Expense		5,462	5,463	5,938	4,216	4,000	-5%

O&M Budget Notes

**Collection Dept Notes
Budget 2024-25**

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total
Salaries						
Salaries	5030.5	COLA for Oct 2023 San Francisco-Oakland-Hayward 2.8%; 35% Engineering				
Overtime	5035.5					
Standby	5040.5	Per MOU \$75/day	day	\$75	365	\$27,375
Internship		Carmel Unified Schools assume \$20/hr				
PR Taxes						
Payroll taxes	5045.5	FICA (6.2%) and Medicare (1.45%)				
Employee Benefits						
	5070.5	Assumes continued 50/50 split between District and Employees				\$63,731
	5100.5	Worker Compensation - experience mod increase .12 to 132				\$28,862
	5130.5	Dental Insurance claims based on 5 year average				\$4,800
Trucks & Autos						
Gasoline	5310.5	Fuel for collections vehicles	Gallons	\$5.00	2700	\$13,500
Diesel	5320.5	Fuel for collections vehicles	Gallons	\$6.00	2800	\$16,800
Outside Repair Service	5345.5	Annual Service of Vaccon- complete this June	Service & Parts	\$3,000.00	1	\$3,000
		Annual Service of Freightliner	Service & Parts	\$3,000.00	1	\$3,000
		Annual Service of Super Product Jetter	Service & Parts	\$4,000.00	1	\$4,000
		Annual Service of Kenworth	Service & Parts	\$4,000.00	1	\$4,000
		Smog (3 vehicles)	each	\$100.00	3	\$300
		Outside repairs of all other trucks	Service & Parts	\$5,000.00	1	\$5,000
					Total	\$19,300
Repair Parts	5350.5	Oil & Filters		\$4,000.00	1	\$4,000
		Tires & Batteries		\$5,000.00	1	\$5,000
		Preventive Maintenance Parts		\$4,000.00	1	\$4,000
		Vehicle Accessories		\$4,000.00	1	\$4,000
					Total	\$17,000
Property/Liability/Auto Insurance						
Insurance	5480.5	Property Insurance	Annual	\$16,013.00		\$0
		General Liability	Annual	\$22,494.00		\$0
		Vehicle	Annual	\$8,628.00		\$0
		Cyber Crime Insurance	Annual	\$2,240.00		\$0
					Total	\$49,375
Engineering Fees						

36

Collection Dept Notes
Budget 2024-25

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total	
Consulting Fees	5500.5	Engineering for emergencies repairs and non-capitalized projects.		\$100,000.00	2	\$200,000	
		Geomagnetic Storm study (60/40 w/ Treatment)		\$40,000.00	1	\$40,000	
		Item 3					\$0
		Item 4					\$0
							Total
Office Supplies & Service							
Computers & Equip	5540.5	Computer for Collections Office	Each	\$2,500.00	1	\$2,500	
		Computer for Superintendent Office	Each	\$2,500.00	1	\$2,500	
		lpad for service calls	Each	\$1,500.00	1	\$1,500	
		SCADA Server Upgrade x 2 (split with treatment and reel)	Server	\$4,000.00	2	\$8,000	
		Item 5					\$0
		Item 6					\$0
					Total	\$14,500	
Furnishings & fixtures	5545.5	Three new office chairs	Each	\$600.00	3	\$1,800	
		Item 2		\$0.00	0	\$0	
		Item 3		\$0.00	0	\$0	
		Item 4		\$0.00	0	\$0	
						Total	\$1,800
Office supplies	5570.5	Paper and printer ink	Total	\$1,100.00	1	\$1,100	
		Postage and shipping	Total	\$500.00	1	\$500	
		Misc office supplies	Total	\$50.00	2	\$100	
		Item 4		\$0.00	0	\$0	
				Total	\$1,700		
Operating Supplies							
Chemical Supplies	5630.5	CN-9 for odor control at Highlands / Calle La Cruz (rec'd odor complaint)	Cost per Pound	\$0.35	44500	\$15,600	
Janitorial Supplies	5635.5	Cleaning of Collections Office	Total	\$400.00	1	\$400	
Tools	5780.5	Power tools and replacement batteries (cordless tools)	Total	\$2,000.00	1	\$2,000	
		Tools for trucks and shop (shovels, MH picks, brooms, ladder)	Total	\$2,000.00	1	\$2,000	
		Construction tools (concrete mixer)	Total	\$4,000.00	1	\$4,000	
		Drain clearing tool & Equipment (chain flail drain clearing machine)	Total	\$5,000.00	1	\$5,000	
		Item 5	Total	\$0.00	0	\$0	
		Item 6		\$0.00	0	\$0	
				Total	\$13,000		
General supplies	5790.5	Sewer cleaning hose		\$6,000.00	2	\$12,000	
		Nozzles		\$3,000.00	2	\$6,000	
		Misc supplies		\$20,000.00	1	\$20,000	

**Collection Dept Notes
Budget 2024-25**

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total
		Item 4		\$0.00	0	\$0
		Item 5		\$0.00	0	\$0
		Item 6		\$0.00	0	\$0
					Total	\$38,000
Contractual Services						
Network Administration	5830.5	Fuel Master		\$600.00	1	\$600
		Mobile MMS CMMS Coll to pay 1/2 of \$30K Total bill		\$15,000.00	1	\$15,000
		T4 Vault		\$10,000.00	1	\$10,000
		IT Pipes		\$3,000.00	1	\$3,000
		Green Infrastructure GIS/ Lab to pay \$14,000 / Lab should go away		\$24,000.00	1	\$24,000
		Exceddio		\$16,000.00	1	\$16,000
		Anomoly based detection SCADA		\$2,000.00	1	\$2,000
		Item 8		\$0.00	0	\$0
		Item 9		\$0.00	0	\$0
					Total	\$70,600
Electrical Service	5855.5	Electrical preventative maintenance, corrective maintenance		\$16,000.00	1	\$16,000
System Integrator	5858.5	Software Maintenance and support for Collections SCAADA & PLC's/CVM & SR		\$3,000.00	1	\$3,000
Root Foaming	5865.5	Chemical treatment of roots in collection system		\$65,000.00	1	\$65,000
Pump Station Monitoring	5870.5	Moved to cell service #6393.5		\$0.00	0	\$0
Collection System Capacity Monitoring	5875.5	Flow Metering of lines for I & I		\$15,000.00	1	\$15,000
Alarm Systems	5880.5	Mission Alarm System		\$6,100.00	1	\$0
HR Consulting	5885.5	HR consulting for 5.5 employees	annual	\$14,000.00		\$14,000
Equipment Rental	5890.5	Rental Equipment (in case of emergency)		\$0.00	1	\$0
Janitorial	5990.5	Charged via Treatment Plant or Admin		\$0.00	1	\$0
Underground Service Alert	5930.5	USA Locate Service / service area expanded (estimated)	Annual	\$4,500.00	1	\$4,500
Laundry	5940.5	Uniforms	Contract	\$6,000.00	1	\$6,000
Landscaping	5980.5			\$0.00	0	\$0
Waste Disposal	5990.5	Used Oil and Chemicals	Total	\$1,000.00	1	\$1,000
Repairs & Maintenance						
General Repairs	6095.5	Item 1		\$0.00	0	\$0
		Item 2		\$0.00	0	\$0
		Item 3		\$0.00	0	\$0
		Item 4		\$0.00	0	\$0
					Total	\$0
Easements Repairs/Clearing	6160.5	Easements clearing		\$32,000.00	1	\$32,000
		Hatton Canyon rehabilitation		\$14,000.00	1	\$14,000
		Cal-Fire clearing		\$5,000.00	1	\$5,000
		Oak tree in Carmel Meadows (tree ID program to be started)		\$17,000.00	1	\$17,000

38

Collection Dept Notes
Budget 2024-25

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total
					Total	\$68,000
Pump Station Equipment & Maintenance	6210.5	Equipment and pumps (2 @ Hacienda \$14K ea)(2 @ Ribera \$12K ea)		\$58,000.00	1	\$58,000
		Preventative Maintenance Supplies, Oil, fittings, Gaskets		\$15,000.00	1	\$15,000
		Instruments		\$5,000.00	1	\$5,000
		Item 2		\$0.00	0	\$0
					Total	\$78,000
Sewer Lines	6220.5	Spot Repair program		\$200,000.00	1	\$200,000
		Emergency repair		\$200,000.00	1	\$200,000
		Sewer line parts		\$10,000.00	1	\$10,000
		Item 4		\$0.00	0	\$0
					Total	\$410,000
Manholes	6240.5	Manhole Lining Project		\$350,000.00	1	\$350,000
		Replacement frame and lids		\$60,000.00	1	\$60,000
		Item 3		\$0.00	0	\$0
		Item 4		\$0.00	0	\$0
					Total	\$410,000
Generators	6250.5	Load testing station generators		\$10,000.00	1	\$10,000
		Preventative maintenance Parts, filters, oil.		\$2,000.00	1	\$2,000
		Repair Parts- Control board, batteries		\$4,000.00	1	\$4,000
		Item 4		\$0.00	0	\$0
					Total	\$16,000
Utilities						
8th & Scenic	6343.5	Includes 13% increase		\$1,200.00	1	\$1,300
Bay & Scenic	6344.5	Includes 13% increase		\$3,000.00	1	\$3,200
Monte Verde & 16th	6345.5	Includes 13% increase		\$3,000.00	1	\$3,200
Calle La Cruz	6346.5	Includes 13% increase		\$4,500.00	1	\$4,800
Hacienda	6347.5	Includes 13% increase		\$1,400.00	1	\$1,484
Highlands	6348.5	Includes 13% increase		\$7,000.00	1	\$7,500
Natural Gas	6360.5	Includes 13% increase		\$1,000.00	1	\$1,100
Propane	6370.5	Includes 13% increase	Tank	\$1,600.00	1	\$1,700
Water	6380.5	Includes 8.75% increase		\$2,200.00	1	\$2,400
Garbage	6385.5	Includes 7% increase		\$2,000.00	1	\$2,200
Telephone						
Fixed Costs	6392.5	AT&T Plant Fiber Optic Internet	Percentage	\$3,500.00	1	\$3,500
		ICON VOIP Phones	Percentage	\$1,500.00	1	\$1,500
		Comcast / New Lift station		\$7,500.00	1	\$7,500

39

Collection Dept Notes
Budget 2024-25

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total
				\$0.00	0	\$0
					Total	\$12,500
Cellular Phones	6393.5	Cell Phones, pump station monitoring		\$5,000.00	1	\$5,000
		Item 2		\$0.00	0	\$0
					Total	\$5,000
Travel & Training						
Employee Training	6420.5	Annual SERP Training, PACP certification, Local training		\$10,000.00	1	\$10,000
Conferences	6430.5	CWEA Annual Con X 2 Staff, Tri-State Con X 2 staff, P3S		\$7,000.00	1	\$7,000
Business meetings	6440.5			\$600.00	1	\$600
Permitting						
Regional Water Quality Control Board	6470.5	Annual Permit		\$4,300.00	1	\$4,300
Air Pollution Control Permit	6480.5	Generators/portable equipment, new portable generator and portable pump		\$5,300.00	1	\$5,300
Memberships/Subscriptions						
Employee Certification & Memberships	6550.5	DL Collections Grade 4, Met Tec 1		\$220.00	1	\$220
		BB Collections Grade 4, Met Tec 2, Elect 1		\$220.00	1	\$220
		RB Collections Grade 3, Met Tec 1		\$220.00	1	\$220
		MN Collections Grade 2, Met Tec 1		\$220.00	1	\$220
		AM Collections Grade 1, Met Tec 1		\$220.00	1	\$220
		SS Collections Grade 1, Met Tec 1		\$220.00	1	\$220
		CWEA, WEF, NASCO		\$2,200.00	1	\$2,200
					Total	\$3,520
Subscriptions/Publications	6640.5	MSDS Online	Percentage	\$500.00	1	\$500
		Employee certification books, Water Program material and subscriptions		\$500.00	1	\$500
					Total	\$1,000
Safety						
Emergency Response Equipment & Service	6735.5	Fire Extinguisher Service	Various	\$1,500.00	1	\$1,500
		First Aid Medical Service (see linked notes)	Various	\$1,500.00	1	\$1,500
		Emergency Response- Haz spill/release	Various	\$500.00	1	\$500
		Emergency Response- Rescue	Various	\$500.00	1	\$500
		Disaster Response- Fire, Flood, Earthquake	Various	\$750.00	1	\$750
					Total	\$4,750
PPE & Safety Supplies	6750.5	First Aid Supplies	Various	400.00	1	\$400
		COVID Supplies	Various	1,000.00	1	\$1,000
		PPE- Hand, Eye, Face, Head, Hearing	Various	1,000.00	1	\$1,000
		PPE- Semi-durable (rain gear, rubber boots, jackets, vests)	Various	\$2,500.00	1	\$2,500

**Collection Dept Notes
Budget 2024-25**

Description	Account	Item Description	Unit Type	Unit Cost	Units	Total
		PPE- Boots (6 x \$245)	Pair	\$245.00	6	\$1,470
		PPE- Other/specialized (arc-flash, rescue, etc.)	Various	\$500.00	1	\$500
		Respiratory Program (APRs, cartridges, air meters, cal-gas)	Various	\$500.00	1	\$500
		Electronic arrow board to be mounted on truck	Various	\$7,000.00	1	\$7,000
					Total	\$14,370
Safety Training	6760.5	Policies and procedures	Various	\$0.00	0	\$0
		Safety Weeks Annual- Conf Space Refresh & Rescue	Per Person	\$300.00	6	\$1,800
		Safety Weeks Bi/Triennial- Skid/Backhoe/Mantlift	Per Person	\$500.00	1	\$500
		Safety Weeks Bi/Triennial- Forklift	Per Person	\$140.00	6	\$840
		Safety Weeks Bi/Triennial- Hoist/Crane	Per Person	\$200.00	6	\$1,200
		Safety Weeks- First Aid/CPR/AED (biennial)	Per Person	\$0.00	0	\$0
		Safety Weeks- Other (ergonomics, fall awareness)	Varies	\$2,000.00	2	\$4,000
		Safety Weeks- Fit/Hearing Testing	Per Person	\$220.00	6	\$1,320
		New Employee- specific (as needed)	Will vary	\$3,000.00	1	\$3,000
					Total	\$12,660

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
Salaries						
Salaries	5030.5	COLA for Oct 2023 San Francisco-Oakland-Hayward 2.8%				
		Includes 2 engineers @ 50%				
Standby Intern Program	5040.5	Per MOU \$75/day x 2 x 365 days a year	work hours	\$75	730	\$54,750
		Est \$20/hr		\$20	1000	\$20,000
PR Taxes						
Payroll taxes	5045.5	FICA (6.2%) and Medicare (1.45%)		7.65%		\$185,445
Employee Benefits						
Medical benefits	5070.6	Assumes continued 50/50 split between District and Employees				\$307,821
Workers Compensation	5100.6	Worker Compensation - experience mod increase .12 to .132		76968		\$111,375
Dental Insurance	5130.6	Dental Insurance claims based on 5 year average				\$20,508
Trucks & Autos						
Gasoline	5310.6	Units 9, 16, 20 and Boom Lift	Gallons	\$5.00	500	\$2,500
Diesel	5320.6	Yard Mule, Backhoe, Skid Steer	Gallons	\$5.70	800	\$4,600
Oil & Grease	5330.6	Oil and filters		\$800.00	1	\$800
Outside Repair Service	5346.6	Brakes, Batteries, Lights, tires		\$1,500.00	1	\$1,500
Repair Parts	5350.6	Smog Check (1)		\$70.00	1	\$70
Property/Liability/Auto Insurance						
Insurance	5450.6	General Liability		\$71,575.00	1	\$71,575
		Property Insurance	Vehicle	\$117,295.00	1	\$117,295
		Cyber Crime		\$7,130.00	1	\$7,130
		Vehicle		\$1,691.00	1	\$1,691
					Total	\$197,691
Engineering Fees						
Consulting Fees	5500.6	Sea Level Rise Studies		\$150,000.00	1	\$150,000
		Maintenance Consulting- PM work, O&M Review		\$80,000.00	1	\$80,000
		Geomagnetic Storm study (60/40 w/ Treatment)		\$60,000.00	1	\$60,000
					Total	\$290,000
Attorney Fees						
Legal Fees	5510.6	District Counsel	per hour	\$225.00	90	\$20,250
				\$0.00	0	\$0
				\$0.00	0	\$0
					Total	\$20,250

42

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
Office Supplies & Service						
Computers & IT Equipment	5540.6	5 Desktop Computers per Exceedio	Computer	\$1,500.00	5	\$7,500
		Monitors	Device	\$200.00	4	\$800
		Ipad replacement: operations CMMS	Device	\$800.00	3	\$2,400
		Ipad replacement: maintenance CMMS	Device	\$800.00	2	\$1,600
		UPS - Server room	unit	\$8,000.00	2	\$16,000
		misc supplies (cords, adapters)	Total	\$1,000.00	1	\$1,000
					Total	\$29,300
Furnishings & fixtures	5545.6	Chairs-add 5 for operations	Each	\$500.00	5	\$2,500
		Chair- Maintenance	Each	\$500.00	1	\$500
		book shelf-offices	Each	\$425.00	2	\$850
					Total	\$3,850
Office Supplies & Service	5570.6	copy paper/ink	each	\$5.78	250	\$1,445
		postage/shipping-non-laboratory	as needed	\$100.00	1	\$100
		general office supplies	as needed	\$2,000.00	1	\$2,000
		printing-forms, business cards	as needed	\$300.00	1	\$300
					Total	\$3,845
Operating Supplies		Chemical usage is estimated at 52 wks/yr				\$0
Chemicals	5615.6	Potassium iodide, pH buffer-calibration chemicals	solid/liquid	\$3,300.00	1	\$3,300
Phenylarsine oxide	5625.6	Calibration chemicals	gallon	\$173.50	6	\$1,041
Sodium bisulfite	5630.6	De-chloration chemical	bulk-gallons	\$1.81	54000	\$97,740
Sodium hypochlorite	5635.6	Disinfecting chemical - used year round for both CAWD/Reel	bulk-gallons	\$2.42	94500	\$228,690
Ferric chloride	5640.6	Digester H2S removal	bulk-gallons	\$9.17	7000	\$64,190
Polymer	5650.6	dewatering/DAFT (2290lb/tote)-12 totes/yr	pound	\$2.94	27480	\$80,791
Acetic Acid	5660.6	analyzer chemicals - ordered quarterly	gallons	\$200.42	17	\$3,407
Iodine solution	5665.6	calibration chemicals	gallons	\$59.40	15	\$891
Potassium iodate	5670.6	analyzer chemicals	box (4 X 250ml)	\$276.43	6	\$1,659
Laboratory	5700.6	general supplies Ops- \$7500 & Laboratory increase 7%	misc	\$43,000.00	1	\$43,000
Radios & supplies	5745.6	Motorola replacement handheld radios for plant staff/contractor	each	\$960.00	4	\$3,840
Tools	5780.6	Shop hand tools	misc	\$3,000.00	1	\$3,000
		Replacement tool chests for mechanics	misc	\$1,700.00	4	\$6,800
		Operator hand tools	misc	\$1,300.00	1	\$1,300
		Ladder	misc	\$300.00	1	\$300
		Laboratory hand tools		\$500.00	1	\$500
					Total	\$11,900
General supplies	5790.6	Janitorial supplies-brooms, dust pans, ect	misc	\$250.00	1	\$250
		Fittings, hardware, disposable items, paper towels, batteries	misc	\$25,000.00	1	\$25,000
		Plant log books	each	\$44.00	10	\$440
		Circular charts	box	\$64.00	10	\$640
					Total	\$26,330
Source control	5795.6	General supplies: dye, racks, cart		\$1,000.00	1	\$1,000

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
Contractual Services						\$0
Sludge Haul/Disposal	5820.6	Synagro-bio solids cost based on new contract	ton	\$92.46	1800	\$166,500
Network Administration	5830.6	Excedio Network and Desktop support	Annual	\$82,000.00	1	\$82,000
		Excedio - Server warranty renewal - 5%	Annual	\$800.00	2	\$1,600
		Easy 2 B Green-Source Control FOG inspection software	Annual	\$14,700.00	1	\$14,700
		LIMS/Silver support (50/50 split)	Annual	\$7,600.00	1	\$7,600
		E-NPDES	Annual	\$2,300.00	1	\$2,300
		UPS Maintenance for Plant	Bi-Annual	\$2,000.00	2	\$4,000
					Total	\$278,700
Laboratory Analysis	5840.6	MBAS	water testing	\$8,500.00	1	\$8,500
		FGL Laboratory monthly, semi annual, annual-NPDES permit	water testing	\$27,200.00	1	\$27,200
		COVID Testing (CDC sponsored)	Weekly	\$0.00	0	\$0
		Influenza (CDC sponsored)	monthly	\$0.00	0	\$0
		Monkeypox (CDC sponsored)	monthly	\$0.00	0	\$0
		Polio	monthly	\$295.00	12	\$3,540
					Total	\$39,240
Electrical Service	5855.6	Support for electrical PMs and repairs	Total	\$80,000.00	1	\$80,000
Mechanical Services	5856.6	Mechanical contractor 1 week 2 techs	Total	\$15,000.00	1	\$15,000
HVAC Service	5857.6	Annual maintenance	Total	\$8,000.00	1	\$8,000
System Integrator	5858.6	Support for reporting and SCADA process improvements	Total	\$50,000.00	1	\$50,000
Equip Service	5859.6	Forklift, Pallet jacks, Aerial Lift	Total	\$0.00	0	\$0
Alarm System	5880.6	First Alarm	quarterly	\$2,500.00	1	\$2,500
IIR consulting	5885.6	Annual HR consulting fees (18 staff)	annual	\$46,285.00	1	\$46,285
Equipment rental	5890.6	Crane and aerial lift rental	as needed	\$10,000.00	1	\$10,000
Janitorial Service	5900.6	Plant Janitorial - new firm assumed duties in 23-24	Monthly	\$2,000.00	12	\$24,000
Copier Service	5910.6	Copier service contract	annual	\$1,500.00	1	\$1,500
Laundry	5940.6	Cintas Uniforms	Total	\$22,000.00	1	\$22,000
Landscape Maintenance	5980.6	Treatment Plant	Total	\$1,200.00	12	\$14,400
Grit & Screening Disposal	6000.6	Grit bin	each disposal-as needed	\$1,785.00	15	\$26,775
Pest Control	6010.6	Plant pest control	annual	\$475.00	12	\$5,700
Instrumentation Services	6020.6	Balance calibration	annually	\$245.00	4	\$980
		Microscope service	annually	\$450.00	2	\$900
		Hach-calibrations	annually	\$1,000.00	1	\$1,000
		Flowmeter calibration/Calibrate fixed gas monitors	annually/quarterly	\$25,000.00	1	\$25,000
					Total	\$27,880
Hoist Certification	6030.6	Annual service/inspection-DW,Inf, CDC, and Blower	annually	\$1,800.00	1	\$1,800
Hazardous chemical disposal	6040.6	Laboratory disposal-Hach	annually	\$1,000.00	1	\$1,000
Outfall Inspection	6045.6	Annual inspection-per NPDES	annually	\$16,000.00	1	\$16,000
Lagoon inspection	6046.6	Annual inspection	annually	\$16,000.00	1	\$16,000
Ocean Monitoring Program	6050.6	ABC-toxicity	semi-annually	\$6,150.00	1	\$6,150
Plant tree trimming	5982.6	No trimming this fiscal year		\$0.00	0	\$0

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
Repairs & Maintenance						
General Repairs	6095.6	Support items not specific to single process.	total	\$12,000.00	1	\$12,000
Microturbine R & M/Flare	6160.6	Gas conditioning PM parts	each	\$2,000.00	1	\$2,000
		Gas compressor PM		\$4,000.00	1	\$4,000
		Gas testing	semi-annually	\$0.00	0	\$0
		Micro turbine PM	Each	\$2,500.00	2	\$5,000
					Total	\$11,000
Standby Generator/Switchgear	6200.6	Fuel filtering for standby tank	Each	\$5,000.00	1	\$5,000
		Block heater, repair parts for 750kW	Total	\$1,000.00	1	\$1,000
					Total	\$6,000
Aeration Blowers	6210.6	Blower PM Inspection, Air flow meter calibrations, spare		\$10,000.00	1	\$10,000
		Oil, grease, belts		\$1,000.00	1	\$1,000
					Total	\$11,000
Lab Equipment	6240.6	Stirrer and titrator-Ops CL2 and Deox analyzers calibration equipment	misc	\$3,400.00	2	\$6,800
		Composite sampler-RAS sump	sampler	\$9,900.00	1	\$9,900
		Composite sampler-replacement refrigeration skid	sampler skid	\$3,000.00	1	\$3,000
		TOC P/M (50/50 split)	annual	\$4,955.00	1	\$4,955
		pH probe (50/50)	each	\$500.00	1	\$500
		Misc laboratory repairs	misc	\$3,000.00	1	\$3,000
		TOC compressor (50/50)	each	\$2,800.00	1	\$2,800
		Gallery P/M (50/50)	annual	\$6,685.00	1	\$6,685
		Eaton Battery (50/50 split)	annual	\$5,000.00	1	\$5,000
		Foss P/M (50/50 split)	annual	\$6,100.00	1	\$6,100
		Replacement Balance (Wine Country Balance: www.winerysca	each	\$3,500.00	1	\$3,500
					Total	\$52,240
Influent/Headworks/Primary	6250.6	pH probe replacement	each	\$800.00	1	\$800
		Spare parts for new equipment, Moyno parts	Total	\$2,500.00	1	\$2,500
		Wetwell lights	each	\$1,500.00	2	\$3,000
		HVAC PM	each	\$3,000.00	1	\$3,000
					Total	\$9,300
Effluent/Outfall	6265.6	Analyzer parts-motors/probe/consumables	misc		1	\$0
		Parts for pumps	each		1	\$0
		Level probes, floats	each		1	\$0
		Dechlor analyzer	each	9,900.00	1	\$9,900
					Total	\$9,900
Disinfection (Hypo/SBS/CDC)	6270.6	Analyzer-replacement probes, flow switch	annually	\$1,800.00	2	\$3,600
		Titrator-analyzer calibration	each	\$26,000.00	1	\$26,000
		Flow Meters	each	\$2,000.00	4	\$8,000
		VFDs	each	\$1,200.00	2	\$2,400
		Encore 700 pumps	each	\$8,000.00	3	\$24,000
		Pump PM rebuild kits	each	\$800.00	6	\$4,800
					Total	\$68,800
Dewatering	6280.6	polymer machine maintenance supplies	as needed	\$1,400.00	2	\$2,800

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total	
Digester/DAFT/Heat Loop	6290.6	Gearbox, valves, pump rebuilds	Total	\$10,000.00	1	\$10,000	
		Pump rebuild kits and impeller	Total	\$5,000.00	1	\$5,000	
		Replacement Valves	Each	\$2,500.00	2	\$5,000	
						Total	\$22,800
		Heat exchanger P/M parts	as needed	\$1,600.00	2	\$3,200	
		gas test supplies	box	\$138.00	15	\$2,070	
		sump pump	each	\$0.00	0	\$0	
Secondary/RAS/WAS	6300.6	Pump Impeller and gaskets	Total	\$0.00	0	\$0	
						Total	\$5,270
		LDO replacement cap	each-annually	\$220.00	8	\$1,760	
		LDO sensor replacement	each	\$3,500.00	1	\$3,500	
		#3 water hoses	as needed	\$200.00	3	\$600	
		SC 4500 controllers	each	\$4,700.00	1	\$4,700	
		VFD replacement	each	\$0.00	0	\$0	
Plant Utilities (IPS/3PS/Storm PS)	6315.6					Total	\$10,560
		Pump rebuild parts	Total	\$2,000.00	1	\$2,000	
		Spare 1 water pump	Each	\$8,000.00	1	\$8,000	
		Flow meter	Each	\$2,500.00	1	\$2,500	
		Item 4		\$0.00	0	\$0	
Buildings	6320.6					Total	\$12,500
		Roof repair by section	Section	\$15,000.00	5	\$75,000	
		Doorlocks, signs, siding repair.	Total	\$5,000.00	1	\$5,000	
		Repair breakroom drywall, replace counters and window shade	Total	\$25,000.00	1	\$25,000	
				\$0.00	0	\$0	
					Total	\$105,000	
Utilities						\$0	
Electricity - Secondary	6352.6	Electrical Secondary	monthly	\$13,500.00	12	\$162,000	
Electricity - Aeration	6353.6	Electrical Aeration	monthly	\$7,000.00	12	\$84,000	
Electricity - Lab Tertiary	6354.6	Electrical Laboratory (No longer powered from Tertiary meter)	monthly	\$0.00	0	\$0	
Co-Gen Nnn-Energy Plant	6359.6	Cogen Meter	Monthly	\$600.00	12	\$7,200	
Natural Gas	6360.6	Boiler, misc plant heaters	Therms	\$60,000.00	1	\$60,000	
Propane	6370.6	Forklift	gallons	\$4.29	258	\$1,200	
Water	6380.6	Plant (1 unit per 100 gallons used)	monthly	\$750.00	12	\$9,000	
Cable television	6390.6	Direct TV	monthly	\$100.00	12	\$1,200	
Telephone							
Fixed Costs	6392.6	AT&T Fiber for the plant	monthly	\$720.00	12	\$8,640	
		VOIP	monthly	\$375.00	12	\$4,500	
					Total	\$13,140	
Cellular Phones	6393.6	AT&T connective service charge	unit	\$300.00	12	\$3,600	

Treatment Dept
Budget 2024-25

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
		replacement phone-upgrade/replacement	unit	\$0.00	0	\$0
					Total	\$3,600
Travel & Training						
Employee Training	6420.6	OPS and Maintenance-(\$11,000) for supervisor classes	Total	\$21,300.00	1	\$21,300
Conferences	6430.6	OPS and Maintenance	Total	\$12,900.00	1	\$12,900
Business meetings	6440.6	OPS and Maintenance	Total	\$700.00	1	\$700
Permitting						
Waterboard Permits	6470.6	NPDES 22,545 + 5%	annual renewal	\$23,750.00	1	\$23,800
		Storm Water 1,818 + 5%	annual renewal	\$1,950.00	1	\$2,000
					Total	\$25,800
Air Pollution Control Permit	6480.6	MBARD Permit for the Plant and Generators 7% increase	Total	\$6,500.00	1	\$6,500
Environmental Health Permit	6490.6	Chemical Storage County Permit	Total	\$2,200.00	1	\$2,200
Lab Registration Fees	6510.6	ELAP, 3rd party assessor, regulatory compliance all (50/50)	annual renewal	\$15,030.00	1	\$15,100
Memberships/Subscriptions						
Employee Certification & Memberships	6550.6	SWRCB-operators (9)	renewal	\$150.00	9	\$1,350
		WEF (includes CWEA membership)	renewal	\$370.00	1	\$370
		CWEA Membership	annual	\$232.00	16	\$3,712
		Enviromental compliance inspector (1 renew at \$98; 2 new at \$240)	annual	\$160.00	3	\$480
		Operations- Maintenance cert	annual	\$103.00	1	\$103
		Laboratory analyst (2 renew at \$108; 1 new at \$192)	annual	\$136.00	3	\$408
		Advanced Water Treatment Operator (AWTO) exam	as needed	\$185.00	2	\$370
		Advanced Water Treatment Operator (AWTO) certification	annual	\$200.00	3	\$600
					Total	\$7,400
Subscriptions/Publications	6640.6	MSDS Online (Annual paid each April) Other 50% Recl	Annual	\$3,296.00	1	\$3,296
		exam study material	Total	\$800.00	1	\$800
		misc books	Total	\$300.00	1	\$300
					Total	\$4,100
Safety						
Emergency Response Equipment & Service	6735.6	Fire Extinguisher Service	Various	\$1,100.00	1	\$1,100
		First Aid Medical Service (see linked notes)	Various	\$1,200.00	1	\$1,200
		Emergency Response- Haz spill/release	Various	\$1,000.00	1	\$1,000
		Emergency Response- Rescue	Various	\$1,000.00	1	\$1,000
		Disaster Response- Fire, Flood, Earthquake	Various	\$750.00	1	\$750
		SCBA (50%) Annual recerts, tank refills, tank testing	Various	\$1,400.00	1	\$1,400
		SCBA Replacement- 2 sets	System + face mask	\$3,300.00	2	\$6,600

**Treatment Dept
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total	
PPE & Safety Supplies	6750.6	First Aid Supplies	Various	\$500.00	1	\$500	
		COVID Supplies	Various	\$1,500.00	1	\$1,500	
		PPE- Hand, Eye, Face, Head, Hearing	Various	\$750.00	1	\$750	
		PPE- Semi-durable (rain gear, rubber boots, jackets, vests)	Various	\$750.00	1	\$750	
		PPE- Boots (15 x \$245)	Pair	\$245.00	15	\$3,675	
		PPE- Other/specialized (arc-flash, rescue, etc.)	Various	\$500.00	1	\$500	
		Respiratory Program (APRs, cartridges, air meters, cal-gas)	Various	\$1,200.00	1	\$1,200	
		Other	Various	\$750.00	1	\$750	
						Total	\$9,700
Safety Training	6760.6	Policies and procedures	Various	\$20,000.00	1	\$20,000	
		Safety Weeks Annual- Haz Refresh & Response	Per Person	\$380.00	11	\$4,180	
		Safety Weeks Annual- Conf Space Refresh & Rescue	Per Person	\$180.00	10	\$1,800	
		Safety Weeks Bi/Triennial- Skid/Backhoe/Manlift	Per Person	\$500.00	0	\$0	
		Safety Weeks Bi/Triennial- Forklift	Per Person	\$150.00	12	\$1,800	
		Safety Weeks Bi/Triennial- Hoist/Crane	Per Person	\$190.00	12	\$2,280	
		Safety Weeks- First Aid/CPR/AED (biennial)	Per Person	\$220.00	10	\$2,200	
		Safety Weeks- Other (ergonomics, fall awareness)	Varies	\$2,500.00	1	\$2,500	
		Safety Weeks- Fit/Hearing Testing	Per Person	\$180.00	10	\$1,800	
		New Employee- specific (as needed)	Will vary	\$3,500.00	1	\$3,500	
						Total	\$40,100

**Admin Notes
Budget 2024-25**

Description	GL	Item Description	Unit Type	Unit Cost	Units	Total
Salaries						
Salaries	5030.7	Mid year adjustment 4.5% in Jan., COLA 2.8%				\$576,042
		Engineering labor moved 50% Trmt, 35% Collection, and 15% Admin				
Salaries - Overtime	5035.7	Excc Assist overtime allowed in lieu of additional hire				\$7,500
Payroll Taxes						
Payroll taxes	5045.7	FICA (6.2%) and Medicare (1.45%)				\$44,641
Employee Benefits						
Medical Insurance	5070.7	Assumes continued 50/50 split between District and Employees				\$37,282
CalPERS	5080.7	ER Classic 10.1%; ER PEPRRA 7.68%				\$56,530
Worker Compensation	5100.7	Worker Compensation - experience mod increase .12 to .132				\$49,080
Dental Insurance	5130.7	Dental Insurance claims based on 5 year average				\$8,800
Employee Awards	5185.7	Dependent upon longevity schedule				\$500
Director Fees						
Regular Board Meetings	5230.7	CAWD board meetings	# mtgs	\$800.00	11	\$8,800
PBCSD Director's Fees	5240.7	PBCSD board meetings	# mtgs	\$350.00	4	\$1,400
Special Board Meetings	5250.7	Special board meetings	# mtgs	\$800.00	8	\$6,400
Committee Meetings	5260.7	Committee meetings	# mtgs	\$100.00	37	\$3,700
		Ad Hoc Committee meetings	# mtgs	\$100.00	0	\$0
Special District Assoc	5265.7	Attendance at outside agency meetings	# mtgs	\$50.00	28	\$1,400
Training & Strategic Planning	5275.7	Strategic planning to set metrics and goals	# mtgs	\$1,550.00	2	\$3,100
Director's Dental Claims	5280.7	Dental reimbursements	5 yr avg claims	\$8,200.00	1	\$8,200
Gasoline	5310.6	Hyundai- increased due to more travel	Gallons	\$5.00	100	\$500
Outside Repair Service	5345.7	Smog not due until 2026		\$0.00	0	\$0
Repair Parts	5350.7	Maintenance- Oil, Filters	Total	\$200.00	1	\$200
Trucks & Autos						
Gasoline	5310.7	Gasoline	gallon	\$5.00	120	\$600
Property/Liability/Auto Insurance						
Insurance	54501.7	General Liability	CSRMA advised +10%	\$16,359.00	1	\$16,359
		Errors & Omissions (Fiduciary)	CSRMA advised +10%	\$2,892.00	1	\$2,892

49

**Admin Notes
Budget 2024-25**

		Commercial Crime Policy	CSRMA advised +10%	\$1,340.00	1	\$1,340
		Property Insurance	CSRMA advised +10%	\$1,787.00	1	\$1,787
		Vehicle	CSRMA advised +10%	\$245.00	1	\$245
		Cyber Crime Insurance	CSRMA advised +10%	\$1,629.00	1	\$1,629
					Total	\$24,252
Audit/Financial Expense	5490.7	Audit plus GASB 84	RFP	\$30,145.00	1	\$30,145
Engineering Fees	5500.7	Bridge PR		\$10,000.00	1	\$10,000
Attorney Fees						
District Counsel	5510.7	District Counsel	per hour	\$200.00	225	\$45,000
Legal Other		Special Counsel - CRFree, Pescadero, Carmel Meadows	per hour	\$550.00	300	\$165,000
						\$210,000
Office Supplies & Services						
Bank Fees	5515.7	Bank Fees	Total	\$100.00	1	\$100
Public Outreach & Promotion	5519.7	ZOOM	Annual	\$1,100.00	1	\$1,100
		Xmas pointsettias	One time	\$20.00	6	\$120
		Public Outreach Consultant	Annual	\$40,000.00	1	\$45,000
		School tours	Annual	\$0.00	1	\$0
					Total	\$46,300
Computers & IT Equipment	5540.7	One PC replacement	Computer	\$1,500.00	1	\$1,500
		Sage Accounting Software plus 5%	Annual	\$4,211.00	1	\$4,211
		Sage Fixed Asset Software plus 5%	Annual	\$2,363.00	1	\$2,363
		Dropbox	Annual	\$120.00	1	\$120
		Adobe	Monthly	\$40.00	12	\$480
					Total	\$8,700
Furnishings & Fixtures	5545.7	Engineer's desk		\$2,500.00	1	\$2,500
					Total	\$2,500
Office Supplies & Service	5570.7	Paper & Printing		\$5,000.00	1	\$5,000
		District Codifications	Annual	\$6,000.00	1	\$6,000
		Postage & Shipping		\$2,000.00	1	\$2,000
		Post Office Box Rental plus 5%	Annual	\$298.00	1	\$298
		Temp Services	Hours	\$45.00	80	\$3,600
		Misc office supplies			1	\$25,000
					Total	\$41,900
Contractual Services						
Network Administration	5830.7	Exceedio - managed services = 10%	Annual	\$20,000.00	1	\$20,000
		Exceedio - Server warranty - 5%	Annual	\$800.00	1	\$800
		GotNet	Monthly	\$12.10	12	\$145
		Misc		\$3,840.00	1	\$3,840

**Admin Notes
Budget 2024-25**

				\$0.00	0	\$0
					Total	\$24,785
Website Maintenance	5835.7	Streamline Website Service	Month	\$497.00	12	\$5,964
		Monsidio	Annual	\$5,150.00	1	\$5,150
						\$11,200
Alarm System	5880.7	First Alarm	Qtrly	\$516.78	4	\$2,100
HR consulting	5885.7	Annual HR consulting fees (4 staff)	annual	\$13,400.00	1	\$13,400
		Executive coaching				\$35,000
		Staffing analysis				\$45,000
					total	\$93,400
Janitorial Service	5900.7	Firato Janitorial Service - new firm assumed duties 23-24	Monthly	\$675.00	12	\$8,100
		Clean tile & grout	Annual	\$1,000.00	1	\$1,000
		Carpet Cleaning	Annual	\$1,000.00	1	\$1,000
					total	\$10,100
Copier/Fax Service	5910.7	MBS Business Systems	Quarterly	\$1,350.00	4	\$5,400
		Faxage	Monthly	\$9.20	12	\$110
						\$5,600
Actuarial Service	5920.7	Nicolay Consulting (Annual funding, GASB 68, EE stmts)	Annual	\$8,610.00	1	\$8,610
		Foster & Foster - CalPERS GASB 68	Annual	\$1,600.00	1	\$1,600
						\$10,300
Payroll Processing	5950.7	Uattend	Monthly	\$25.00	12	\$300
		ADP (bi-weekly plus year end = 27)	Bi-weekly	\$350.00	27	\$9,450
						\$9,750
Data Processing- County	5970.7	County of Monterey (25,476 in 2022 plus 2%)(Rate data \$20	Annual	\$29,000.00	1	\$29,000
Landscape Maintenance	5980.7	Admin	Monthly	\$140.00	12	\$1,680
Repairs & Maintenance						
Buildings	6320.7	Furnace unit A	Total	\$8,000.00	1	\$8,000
		Misc Lights, Etc	Total	\$2,000.00	1	\$2,000
				\$0.00	1	\$0
				\$0.00	0	\$0
					Total	\$10,000
Utilities						
Electricity	6358.7	Average 73.57 Kwh/day		\$26.60	365	\$9,710
Natural Gas	6360.7	Average 9.21 therms/day		\$10.96	365	\$4,000
Water	6380.7	Average 1,000/mo		\$11.23	365	\$4,100
Garbage	6385.7		Monthly	\$76.66	12	\$920
Telephone						
Fixed Costs	6392.7			\$5,600.00	1	\$5,600

**Admin Notes
Budget 2024-25**

Cellular Phones	6393.7			\$2,300.00	1	\$2,300
Travel & Training						
Employee Training	6420.7			\$4,000.00	1	\$4,000
Conferences	6430.7	CASA (2)		\$5,000.00	1	\$5,000
Business meetings	6440.7			\$1,700.00	1	\$1,700
Memberships/Subscriptions						
LAFCO Admin Fee	6520.7	LAFCO- increased due to LAFCO litigation	Annual	\$33,000.00	1	\$33,000
Employee Certification & Memberships	6550.7	CASA		\$0.00	0	\$0
		ASCE		\$0.00	0	\$0
		WEF		\$0.00	0	\$0
		CSDA		\$0.00	0	\$0
		WaterReuse Association		\$0.00	0	\$0
		GFOA		\$0.00	0	\$0
		Water Awareness Committee		\$0.00	0	\$0
		Calif Chamber of Commerce		\$0.00	0	\$0
					Total	\$33,000
Subscriptions/Publications						
Subscriptions/Publications	6640.7			\$0.00	0	\$0
				\$0.00	0	\$0
				\$0.00	0	\$0
					Total	\$0
Other Expenses						
PPE & Safety Supplies	6750.7	Fire extinguisher service		\$200.00	1	\$200
		Masks, first aid supplies		\$1,000.00	1	\$1,000
		Hardhats, safety glassess, hearing protection, raingear		\$200.00	1	\$200
				\$0.00	0	\$0
					Total	\$1,400
Legal Notices	8920.7			\$1,000.00	1	\$1,000
Rate Payer Claims	8930.7	Increased due to updated policy with no time limit, 3 yr avg		\$4,200.00	1	\$4,200
CAWD Newsletter	8940.7	Anne Muraski, Postage, Mailing house	2 issues	\$38,000.00	1	\$38,000
Contingency	8980.7			\$0.00	0	\$0

52

Brine Notes
Budget 2024-25

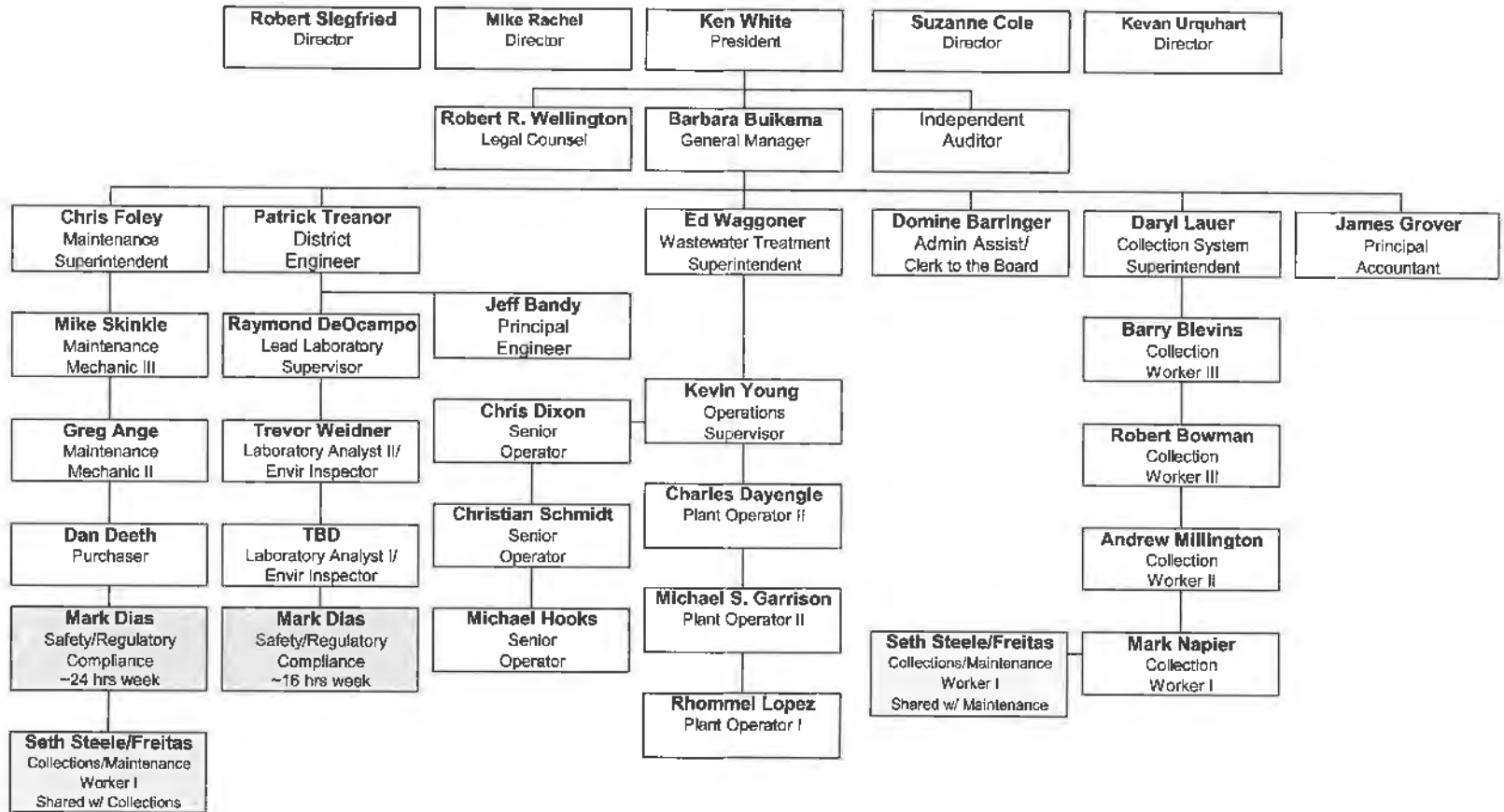
Description	GL	Item Description	Unit Type	Unit Cost	Units	Total	
Salaries & Payroll taxes		Mid year adjustment March 2024 = 4.5%					
		COLA adjustment July 2024 = 2.8%					
General supplies	5790.10	Glue, fittings, hoses, pipe fittings	Total	\$2,500.00	1	\$2,500	
				\$0.00	0	\$0	
						Total	\$2,500
General Repairs	6095.10	Pumps, valves	Total	\$4,000.00	1	\$4,000	
				\$0.00	0	\$0	
						Total	\$4,000

Organizational Chart

CARMEL AREA WASTEWATER DISTRICT

ORGANIZATION CHART

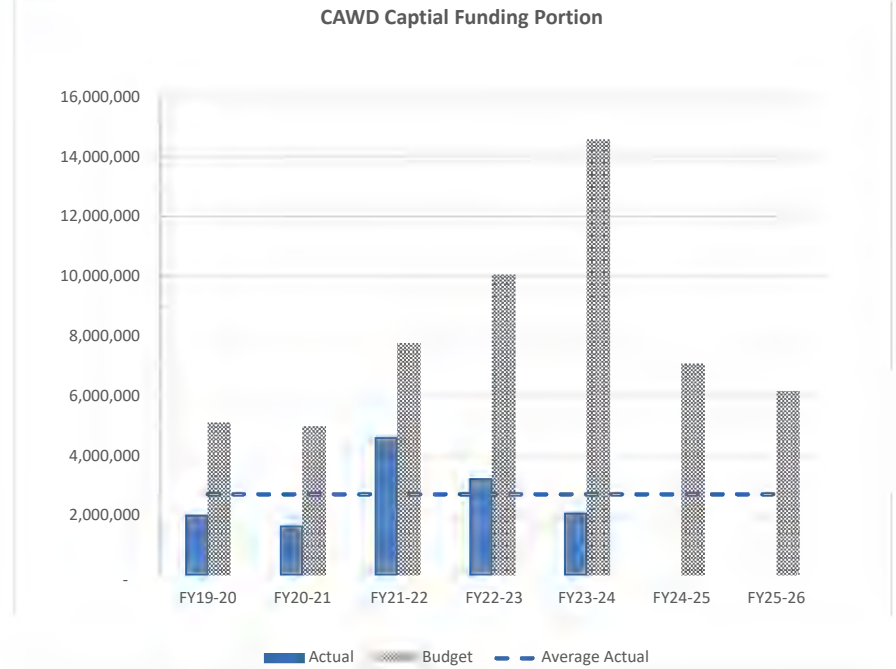
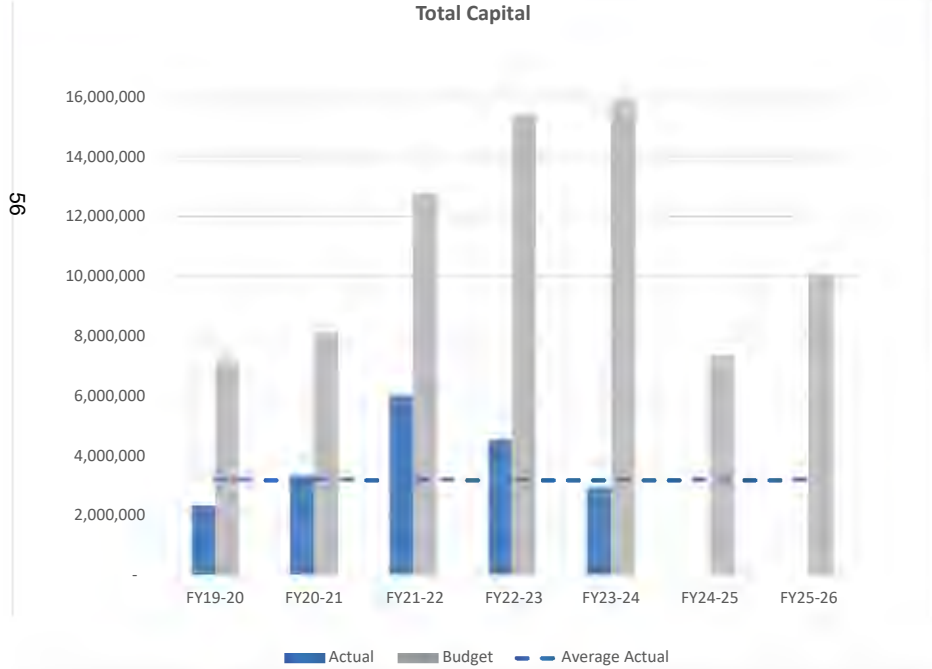
Sept 2023



55

Capital Summary

ITEM	FY 19-20 Actual	FY19-20 Budget	FY 20-21 Actual	FY20-21 Budget	FY 21-22 Actual	FY21-22 Budget	FY 22-23 Actual	FY 22-23 Budget	FY 23-24 Projected	FY 23-24 Budget	FY 24-25 Budget	FY 25-26 Budget
CIP Projects - Collections	956,837	3,725,000	2,113,606	4,052,416	2,387,191	4,060,000	832,917	6,430,000	710,000	11,630,090	5,450,000	5,050,000
CIP Projects - Treatment and Disposal	756,707	3,000,396	904,702	3,692,000	3,589,568	8,619,000	3,573,242	8,900,750	2,200,000	3,921,500	1,050,000	4,490,000
CIP Projects - Administration			62,824	75,000	0	44,291						
Total Capital Improvement Projects	1,713,544	6,725,396	3,081,132	7,819,416	5,976,759	12,723,291	4,406,159	15,330,750	2,910,000	15,551,590	6,500,000	9,540,000
Capital Equipment - Collections							55,504	72,500		241,000	590,000	105,000
Capital Equipment - Treatment and Disposal	40,561	410,000		134,965		13,500	48,998	0		57,000	163,000	345,000
Capital Equipment - Administration		14,000					11,149	0		13,500	78,000	20,000
Capital Equipment	554,098	594,659	150,894	233,975	160,000	294,965	-	13,500	-	311,500	831,000	470,000
Total Capital	2,308,203	17,807,167,196	83,088,315,107	8,114,381	5,976,759	12,736,791	4,521,810	15,403,250	2,910,000	15,863,090	7,331,000	10,010,000
Grant Funding					105,839	2,950,000	29,946	3,500,000	28,448	0	0	3,500,000
PBCSD Share	247,556	978,779	64,124	1,733,029	1,115,643	1,798,785	1,150,049	1,721,324	700,000	1,148,011	198,635	322,344
Reclamation Share	14,038	1,000,000	1,121	1,570,441	6,495	163,133	136,801	206,750	90,000	114,521	51,300	10,000
CAWD Capital Funding	2,046,609	5,127,296	1,664,046	4,996,942	4,618,476	7,781,256	3,248,666	10,055,816	2,091,552	14,600,558	7,081,065	6,177,656



Item #	Project #	PROJECT	Estimated Prior Spent thru 23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	Unscheduled	Total	
1	19-03	Carmel Meadows Pipeline	\$700,000	\$ 300,000	\$ 300,000	\$ 1,000,000	\$ 2,000,000													\$ 3,600,000	
2	20-08	Scenic Pipe Bursting- Ocean to Bay Plus Monte Verde Area	\$ 500,000	\$ 2,000,000	\$ 3,000,000																\$ 5,000,000
3	21-05	Pescadero Creek Area Pipe Relocation	\$ 300,000	\$ 500,000	\$ 100,000	\$ 3,000,000															\$ 3,600,000
4	20-07	Bay/Scenic PS Rehabilitation FY 2024-25	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,000,000															\$ 1,300,000
5	23-01	Santa Rita & Guadalupe Pipeline Rehab	\$ 200,000	\$ 2,500,000	\$ 1,500,000																\$ 4,000,000
6		Santa Fe and 6th Avenues Sewer Rehab				\$ 157,530	\$ 787,650														\$ 945,180
7		Carpenter - Valley Way to 5th Avenue				\$ 180,000	\$ 896,430														\$ 1,076,430
8		Mission Street Sewer Rehab from 7th to 3rd				\$ 161,568	\$ 807,840														\$ 969,408
9		Carmel Woods Sewer Rehab					\$ 759,288	\$ 3,796,440													\$ 4,555,728
10		Sewer Rehab -Torres/Flander/Acacia					\$175,000	\$866,520													\$ 1,041,520
11		Del Mesa Sewer Rehab #1					\$ 180,000	\$ 972,750													\$ 1,152,750
12		Canada/Segundo/Rio Vista Area Sewer Replacement						\$300,000	\$ 1,070,000.00												\$ 1,370,000
13		Rio Road Pipeline replacement/Taylor/Ladera						\$ 200,000	\$ 1,000,000												\$ 1,200,000
14		11th Ave from Junipero to Rio Road						\$ 158,310	\$ 791,550												\$ 949,860
15		Del Mesa Sewer Rehab #2							\$ 291,396	\$ 1,456,980											\$ 1,748,376
16		Junipero School Area Sewer Replacement							\$ 331,605	\$ 1,658,025											\$ 1,989,630
17		Mission Fields Area Pipe Replacement							\$ 200,000	\$ 278,500	\$ 2,392,770										\$ 2,871,270
18		Monte Verde Pump Station and Sewer Rehab								\$ 300,000	\$ 1,063,000										\$ 1,363,000
19		Taylor Road Area Sewer Replacement								\$ 200,000	\$ 269,300	\$ 2,346,480									\$ 2,815,780
20		Upper Canada Ct/Outlook Sewer Rehab										\$ 232,302	\$ 1,161,510								\$ 1,393,812
21		Upper/Lower Trail Pipe Rehab										\$ 245,244	\$ 1,226,220								\$ 1,471,464
22		Monterey Street Sewer Replacement										\$ 124,440	\$ 622,200								\$ 746,640
23		Calle la Cruz Pump Station Relocation										\$ 400,000	\$ 550,000	\$ 3,550,000							\$ 4,500,000
24		N Mesa Drive Sewer Replacement											\$ 207,810	\$ 1,039,050							\$ 1,246,860
25		Highlands Inn Pump Station and Forced Main Rehab										\$ 350,000	\$ 200,000	\$ 2,000,000							\$ 2,550,000
26		Hacienda Pump Station Rehab											\$ 150,000	\$ 450,000							\$ 600,000
27		Hatton Road Area Sewer Rehab												\$ 267,006	\$ 1,335,030						\$ 1,602,036
28		Lincoln - 1st Avenue to Ocean												\$ 150,000	\$ 677,190						\$ 827,190
29		Pico/Camino Del Monte/Santa Fe													\$ 150,000	\$ 600,000					\$ 750,000
30		Del Mesa Sewer Rehab #3														\$ 250,000	\$ 1,136,910				\$ 1,386,910
31		San Carlos Sewer Replacement														\$ 125,000	\$ 456,000				\$ 581,000
32		Carmel Meadows/Cuesta Way Sewer Replacement														\$ 125,000	\$ 526,110				\$ 651,110
33		Upper Carmel Knolls Area Sewer Rehab															\$ 300,000	\$ 1,685,596			\$ 1,985,596
34		Cabrillo Hwy/Ocean Avenue Sewer Replacement														\$ 200,000	\$ 1,000,000				\$ 1,200,000
35		Lower Carmel Knolls Sewer Replacement															\$ 200,000	\$ 950,000			\$ 1,150,000
36		Arroyo Carmel Sewer Rehab															\$ 250,000	\$ 777,000			\$ 1,027,000
37		Doolittle Trail Sewer Replacement															\$ 550,000	\$ 2,023,460			\$ 2,573,460
38		Upsize Lower Rancho Canada Pipeline																\$ 200,000	\$ 200,000		\$ 200,000
		Collections TOTAL		\$5,450,000	\$5,050,000	\$5,499,098	\$5,606,208	\$6,294,020	\$3,684,551	\$3,893,505	\$3,725,070	\$3,348,466	\$4,117,740	\$4,939,050	\$3,017,006	\$3,112,220	\$2,619,020	\$3,685,596	\$3,950,460	\$ 67,992,010	
		FEMA Grant Funding																		\$0	\$0
		PBCSD Share																			\$0
		CAWD COST		\$5,450,000	\$5,050,000	\$5,499,098	\$5,606,208	\$6,294,020	\$3,684,551	\$3,893,505	\$3,725,070	\$3,348,466	\$4,117,740	\$4,939,050	\$3,017,006	\$3,112,220	\$2,619,020	\$3,685,596	\$3,950,460	\$67,992,010	

Process of Evaluation of Priority for Project

1. Near Water Body?
2. PACP>5
3. Overall Structural PACP>5?
4. Holes Noted in Sewer Inspection
5. PACP>4?
6. Overall Structural PACP>4?

PACP Code Definition

- 5: Pipe has failed or will likely fail within 5 years
- 4: Pipe will probaly fail in 5-10 years
- 3: Pipe may fail in 10-20 years
- 2: Pipe unlikely to fail for at least 20 years
- 1: Failure unlikely in foreseeable future

1 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Project Name: Carmel Meadows Pipeline
Dept.: Collections
Project Number 19-03
Total Cap Projection: \$ 2,547,500
CY Budget \$ 300,000
GL Account: 1586.00

Pipe Material Ductile Iron and VCP pipes
Pipe Diameter 6 inch
Year Built: 1962
Asset Condition Rating: PACP Defect =5
Structural Index >4
Within 200' of Waterway

Asset Description

The project will replace 1,300 feet of Ductile Iron Pipe (DIP) on an aerial span and eight manholes by constructing a small pump station at the end of Mariposa Drive. This project is located on an easement parallel to Ribera Road as shown below in red.



Justification

Aerial Pipeline in poor condition along Lagoon within 200 feet of a water body. Structural supports of pipeline are in poor condition. Video inspection of buried pipe found the pipeline to be in poor condition.

Funding Source

Primary	Capital Reserves	Secondary						Total
Budget Impact/Other	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total	
Engineering/Environmental	\$700,000	\$ 300,000.00	\$ 300,000				\$ 1,300,000	
Construction				\$ 1,000,000	\$ 2,000,000		\$ 3,000,000	
Inspections							\$ -	
Other							\$ -	
Total	\$700,000	\$ 300,000	\$ 300,000	\$ 1,000,000	\$ 2,000,000	\$ -	\$ 4,300,000	

FY 2024-25 Budget
Carmel Area Wastewater District

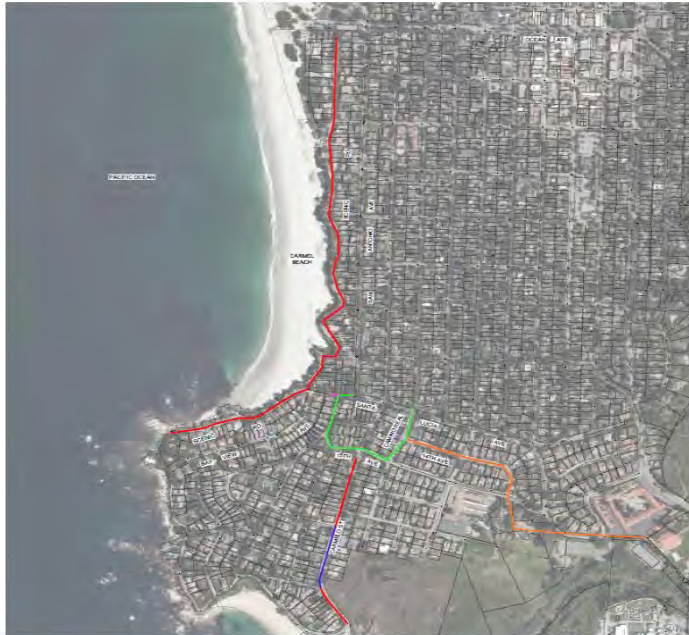
Contact: Treanor
Area Sewer Lines

Project Name: Scenic Pipe Bursting- Ocean to Bay Plus Monte Verde Area
Dept.: Collections
Project Number 20-08
Total Cap Projection: \$ 3,880,000
CY Budget \$ 5,500,000
GL Account: 1635.00

Pipe Material Vitrified Clay
Pipe Diameter 6 inch
Year Built: 1921
Asset Condition Rating: PACP Defect =4
Structural Index >4
Within 200' of Waterway

Asset Description

Replace approximately 10,985 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline is located within 200 feet of a water body with multiple cracks and fractures. The pipeline is undersized for the flow conditions.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction		\$ 1,600,000	\$ 2,800,000				\$4,400,000
Engineering/Environmental	\$500,000	\$200,000					\$700,000
Construction Inspection		\$ 200,000	\$ 200,000				\$400,000
Other							\$0
Total		\$ 2,000,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ 5,500,000

3 **FY 2024-25 Budget**
Carmel Area Wastewater District

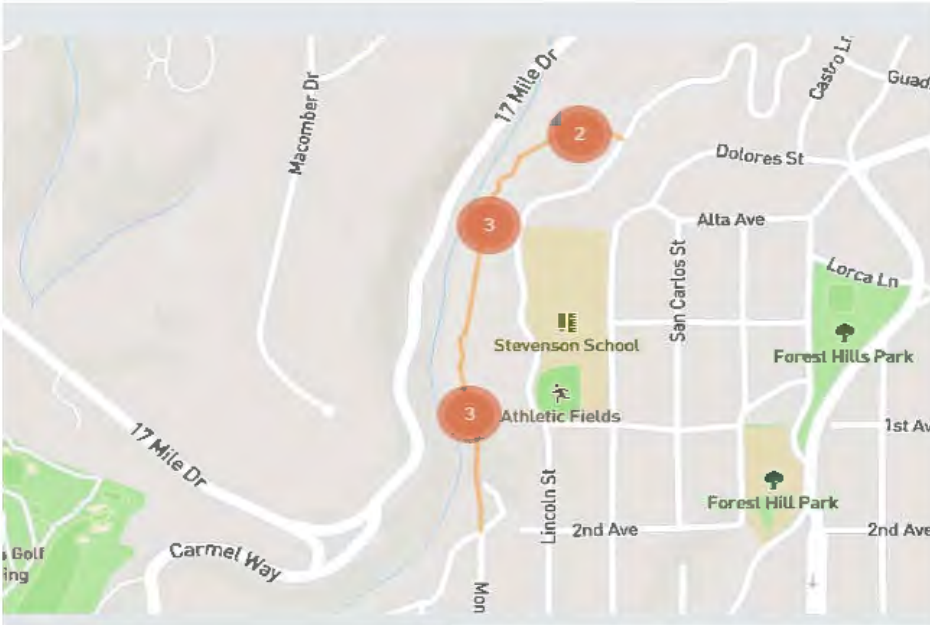
Contact: Treanor
Area Sewer Lines

Project Name: Pescadero Creek Area Pipe Relocation
Dept.: Collections
Project Number 21-05
Total Cap Projection: \$ 3,600,000
CY Budget \$ 300,000
GL Account: 1637.00

Pipe Material Vitrified Clay
Pipe Diameter 6 inch
Year Built: 1921
Asset Condition Rating: PACP Defect =5
Structural Index >4
Within 200' of Waterway

Asset Description

Relocate approximately 2,200 feet of existing pipeline along a backyard easement to Pescadero Road. Existing route is located along the slope of the Del Monte Forest.



Justification

Pipeline is located within 200 feet of a water body with multiple cracks and fractures. Pipeline was observed to be in poor condition during video inspection. Manholes are also in poor condition. Access is difficult due to multiple slope failures along the easement.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction				\$ 2,800,000			\$2,800,000
Engineering/Environmental	\$300,000	\$ 500,000	\$ 100,000	\$200,000			\$1,100,000
Construction Inspection							\$0
Total		\$ 500,000	\$ 100,000	\$ 3,000,000	\$ -	\$ -	\$ 3,900,000

4 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor
Area Pump Station

Project Name: Bay/Scenic PS Rehabilitation
Dept.: Collections
Project Number: 20-07
Total Cap Projection: \$ 1,450,000
CY Budget \$ 150,000
GL Account: 1636.00

Asset Condition Rating: 5
Within 200 feet of water body

Asset Description
Remodel the interior of the pump station and update SCADA panel to remove from areas prone to flooding.



Year Built: N/A

Justification

The pump station is adjacent to the Pacific Ocean and subject to ocean waves and flooding. Due to location and potential for flooding, the wetwell and pump electronics will be moved further into the street but within the existing pump station footprint.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction				\$ 800,000			\$800,000
Engineering/Environmental	\$150,000	\$ 150,000	\$ 150,000	\$200,000			\$650,000
Inspections							\$0
Other							\$0
Total		\$ 150,000	\$ 150,000	\$ 1,000,000	\$ -	\$ -	\$ 1,450,000

5 **FY 2024-25 Budget**
Carmel Area Wastewater District

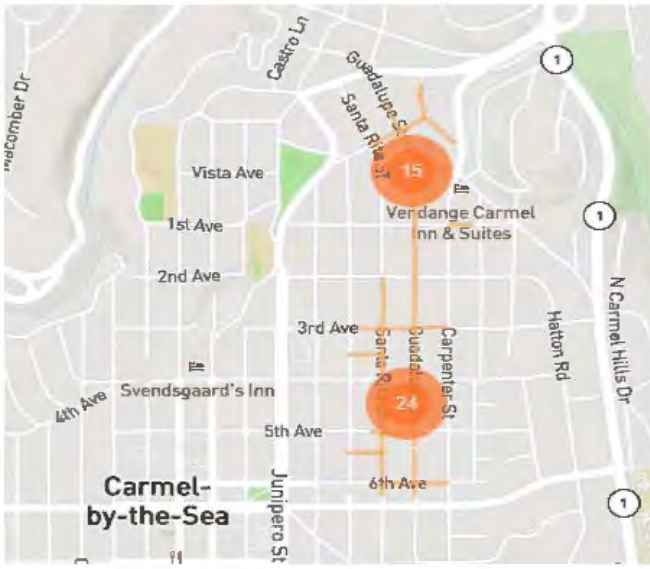
Contact: Treanor
Area Sewer Lines

Project Name: Santa Rita & Guadalupe Pipeline Rehab
Dept.: Collections
Project Number:
Total Cap Projection: \$ 4,200,000
CY Budget \$ 2,500,000
GL Account:

Asset Type: N/A
Pipe Material Vitrified Clay
Pipe Diameter 6 inch
Year Built: 1921
Asset Condition Rating: PACP Defect=5
Structural Index>4
Carry Forward: Yes

Asset Description

Approximately 5,800 Feet of 6 inch Vitrified Clay Pipe (VCP) to be replaced with 8 inch diameter High Density Polyethylene pipe using pipe bursting methods. City plans to Cape Seal pavement in 2028.



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in nine locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction		\$ 2,400,000	\$ 1,400,000				\$3,800,000
Engineering	\$200,000						\$200,000
Inspections		\$100,000	100000				\$200,000
Other							\$0
Total		\$ 2,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 4,200,000

6 **FY 2024-25 Budget**
Carmel Area Wastewater District

Project Name: Santa Fe and 6th Avenues Sewer Rehab
Dept.: Collections

Total Cap Projection: \$ 945,180
CY Budget \$ -
GL Account:

Contact: Treanor
Area Sewer Lines
Asset Type: N/A
Pipe Material: Vitrified Clay
Pipe Diameter: 6 inch
Year Built: 1921
Asset Condition Rating: PACP Defect=5
Structural Index>5
Carry Forward: Yes

Asset Description

Replace approximately 2,625 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor

Funding Source

Primary: Capital Reserves Secondary:

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction					\$ 787,650		\$ 787,650
Engineering				\$ 157,530			\$ 157,530
Other							\$ -
Total		\$ -	\$ -	\$ 157,530	\$ 787,650	\$ -	\$ 945,180

FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor

Project Name: Carpenter - Valley Way to 5th Avenue
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 1,076,430
 CY Budget \$ -
 GL Account:

Pipe Material Vitrified Clay
 Pipe Diameter 6 inch
 Year Built: 1921
 Asset Condition Rating: PACP Defect =5
 Structural Index >3

Asset Description



Approximately 3,000 feet of vitrified clay pipe to be replaced with 8 inch diameter High Density Polyethylene pipe using pipe bursting or open cut methods.

Justification

Poor structural condition observed in sewer video. Three hole locations in pipe that can lead to sink hole in high traffic street. Multiple pipe segments with PACP defects of 5.

Funding Source

Primary Capital Reserves

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction					\$ 896,430		\$ 896,430
Engineering				\$ 180,000			\$ 180,000
Other							\$ -
Total		\$ -	\$ -	\$ 180,000	\$ 896,430	\$ -	\$ 1,076,430

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material Vitrified Clay

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect=5

Structural Index>4

Project Name: Mission Street Sewer Rehab from 7th to 3rd

Dept.: Collections

Project Number: 21-07

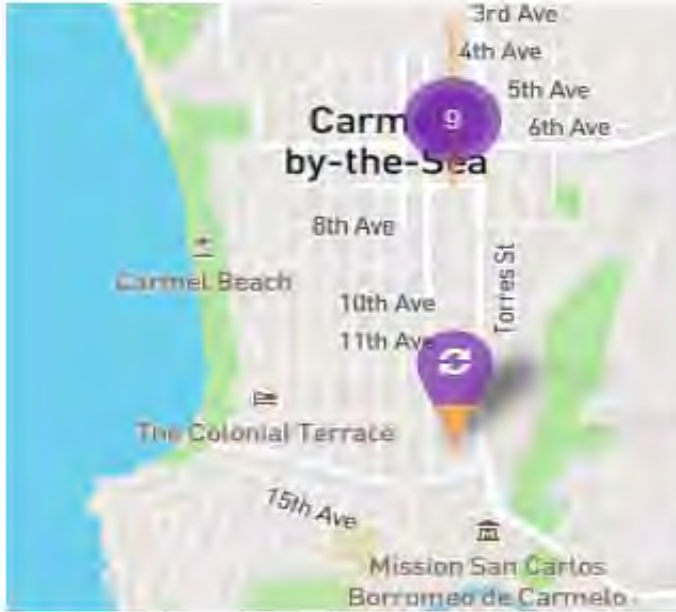
Total Cap Projection: \$ 969,408

CY Budget

GL Account:

Asset Description

Approximately 2,700 feet of 6 inch Vitrified Clay pipe to be replaced on Mission Street between 3rd Avenue and 8th Avenue and one pipe length near Santa Lucia. It is anticipated that the pipe will be replaced using pipe bursting technology with 8 inch diameter High Density Polyethylene (HDPE) pipe.



Justification

Poor structural condition observed in sewer video. Holes in Pipe that can lead to sink hole in high traffic street.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction					\$ 807,840		\$ 807,840
Engineering				\$ 161,568			\$ 161,568
Other							\$ -
Total		\$ -	\$ -	\$ 161,568	\$ 807,840	\$ -	\$ 969,408

FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect =5

Structural Index>4

Carry Forward: Yes

Project Name: Carmel Woods Sewer Rehab

Dept.: Collections

Project Number:

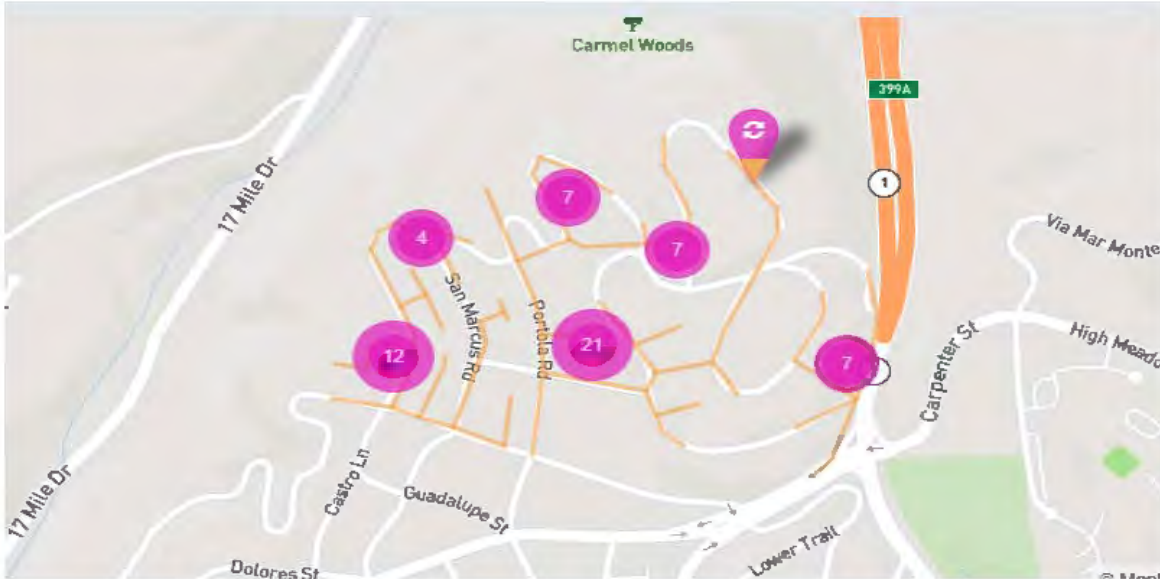
Total Cap Projection: \$ 4,555,728

CY Budget \$ -

GL Account:

Asset Description

Approximately 4,200 feet of 6 inch vitrified clay pipe within the Carmel Woods Subdivision.



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in six separate locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction						\$ 3,796,440	\$ 3,796,440
Engineering					\$ 759,288		\$ 759,288
Other							\$ -
Total		\$ -	\$ -	\$ -	\$ 759,288	\$ 3,796,440	\$ 4,555,728

10 **FY 2024-25 Budget**
 Carmel Area Wastewater District

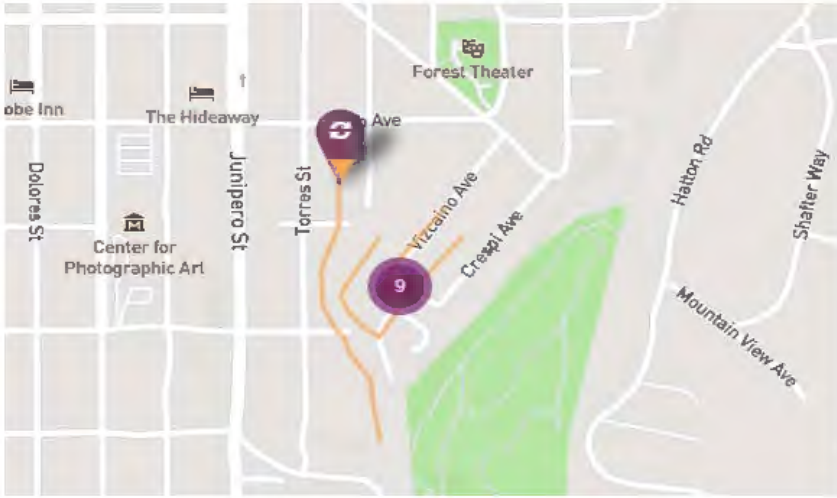
Project Name: Sewer Rehab -Torres/Flander/Acacia
 Dept.: Collections

Total Cap Projection: \$ 1,041,520
 CY Budget
 GL Account:

Contact: Treanor
 Area Sewer Lines
 Asset Type: N/A
 Pipe Material: Vitrified Clay
 Pipe Diameter: 6 inch
 Year Built: 1921
 Asset Condition Rating: PACP Defect=5
 Structural Index>4
 Carry Forward: Yes

Asset Description

Replace approximately 2,900 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Year Built: N/A
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in two locations within the project area.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction						\$ 866,520	\$ 866,520
Engineering					\$ 175,000		\$ 175,000
Other							\$ -
Total		\$ -	\$ -	\$ -	\$ 175,000	\$ 866,520	\$ 1,041,520

11 **FY 2024-25 Budget**
Carmel Area Wastewater District

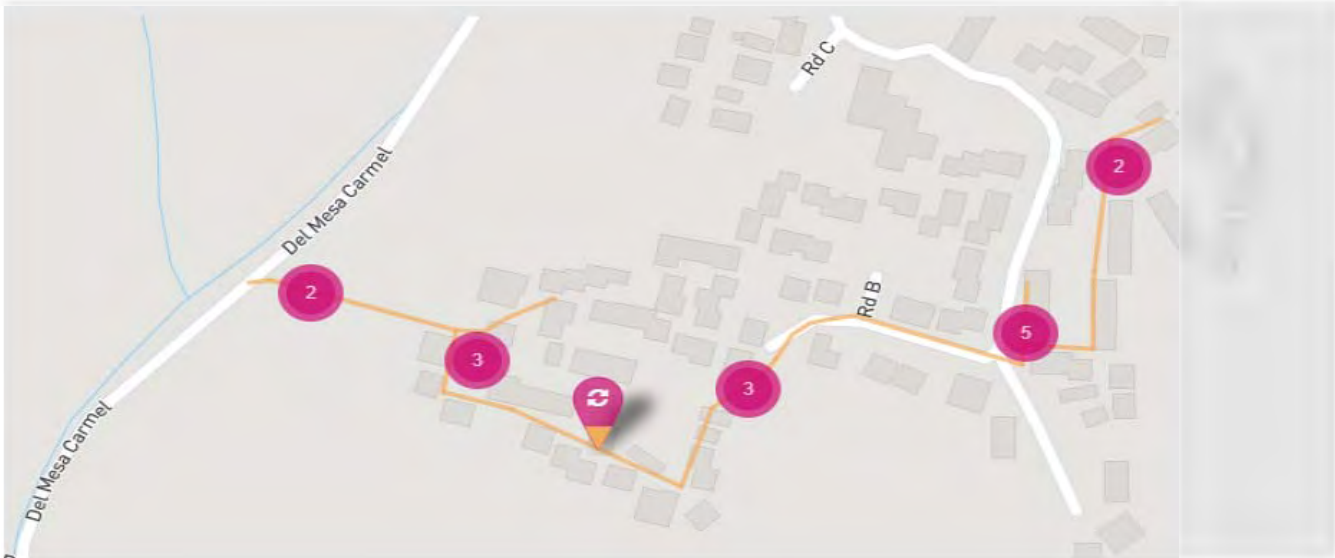
Project Name: Del Mesa Sewer Rehab #1
Dept.: Collections

Total Cap Projection: \$ 1,152,750
CY Budget \$ -
GL Account:

Contact: Treanor
Area Sewer Lines
Asset Type: N/A
Pipe Material Vitrified Clay
Pipe Diameter 6 inch
Year Built: 1966
Asset Condition Rating: PACP Defect=5
Structural Index>5
Carry Forward: No

Asset Description

Replace approximately 3,300 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	24-25	25-26	26-27	27-28	28-29	Total
Construction						\$ 972,750	\$ 972,750
Engineering					\$ 180,000		\$ 180,000
Other							\$ -
Total		\$ -	\$ -	\$ -	\$ 180,000	\$ 972,750	\$ 1,152,750

12 **FY 2024-25 Budget**
Carmel Area Wastewater District

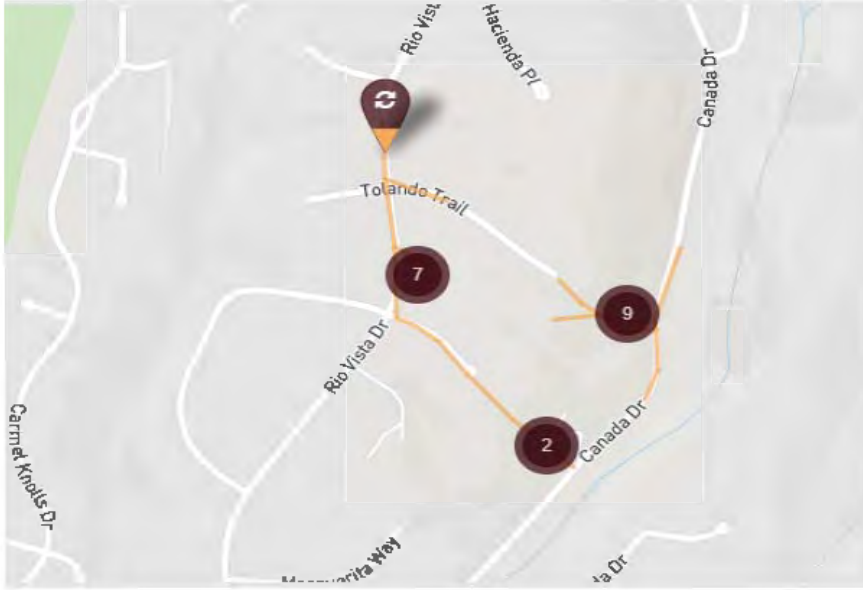
Project Name: Canada/Segundo/Rio Vista Area Sewer Replacement
Dept.: Collections

Total Cap Projection: \$ 1,370,000
CY Budget
GL Account:

Contact: Treanor
Area Sewer Lines
Asset Type: N/A
Pipe Material: Vitrified Clay
Pipe Diameter: 6 inch
Year Built: 1967
Asset Condition Rating: PACP Defect=5
Structural Index>4
Carry Forward: No

Asset Description

Replace approximately 3,600 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	28-29	29-30	Total
Construction			\$ 1,070,000	\$ 1,070,000
Engineering		\$300,000		\$ 300,000
Other				\$ -
Total		\$ 300,000	\$ 1,070,000	\$ 1,370,000

13 **FY 2024-25 Budget**
Carmel Area Wastewater District

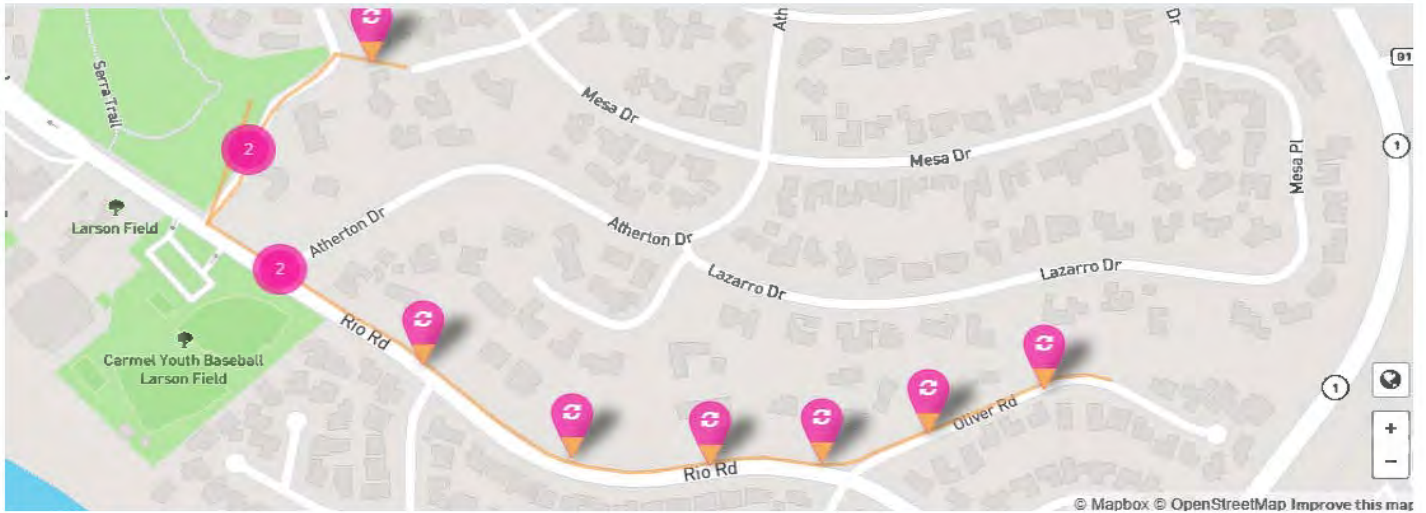
Project Name: Rio Road Pipeline replacement/Taylor/Ladera
Dept.: Collections

Total Cap Projection: \$ 1,200,000
CY Budget
GL Account:

Contact: Treanor
Area Sewer Lines
Asset Type: N/A
Pipe Material: Vitrified Clay
Pipe Diameter: 6 inch
Year Built: 1950
Asset Condition Rating: PACP Defect=5
Structural Index>4
Carry Forward: No

Asset Description

Replace approximately 3,400 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

Prior Yrs.	28-29	29-30	Total
Construction		\$1,000,000	\$ 1,000,000
Engineering	\$200,000		\$ 200,000
Other			\$ -
Total	\$ 200,000	\$ 1,000,000	\$ 1,200,000

14 **FY 2024-25 Budget**
 Carmel Area Wastewater District

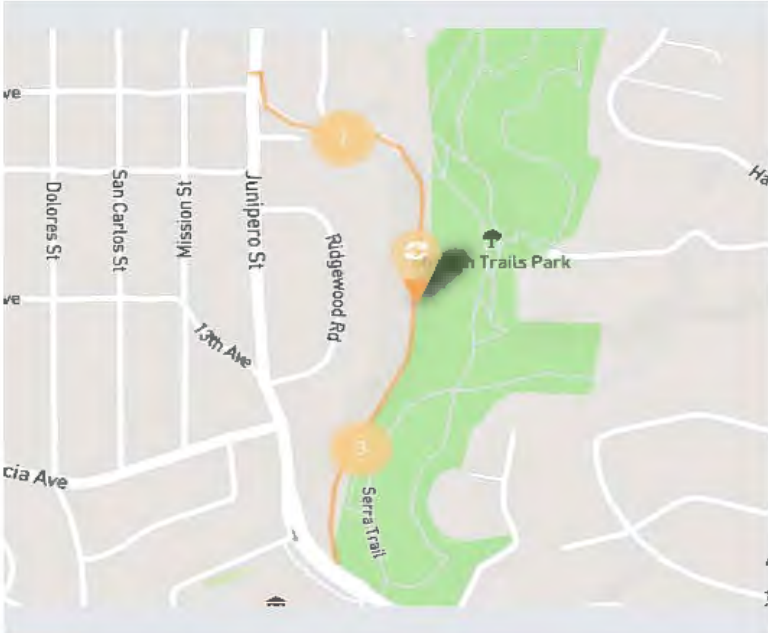
Project Name: 11th Ave from Junipero to Rio Road
 Dept.: Collections

Total Cap Projection: \$ 949,860
 CY Budget
 GL Account:

Contact: Treanor
 Area Sewer Lines
 Asset Type: N/A
 Pipe Material: Vitrified Clay
 Pipe Diameter: 6 inch
 Year Built: 1950
 Asset Condition Rating: PACP Defect=4
 Structural Index>3
 Carry Forward: No

Asset Description

Replace approximately 2,640 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are also in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	28-29	29-30	Total
Construction			\$ 791,550	\$ 791,550
Engineering	\$ 158,310			\$ 158,310
Other				\$ -
Total		\$ 158,310		\$ 949,860

15 **FY 2024-25 Budget**
Carmel Area Wastewater District

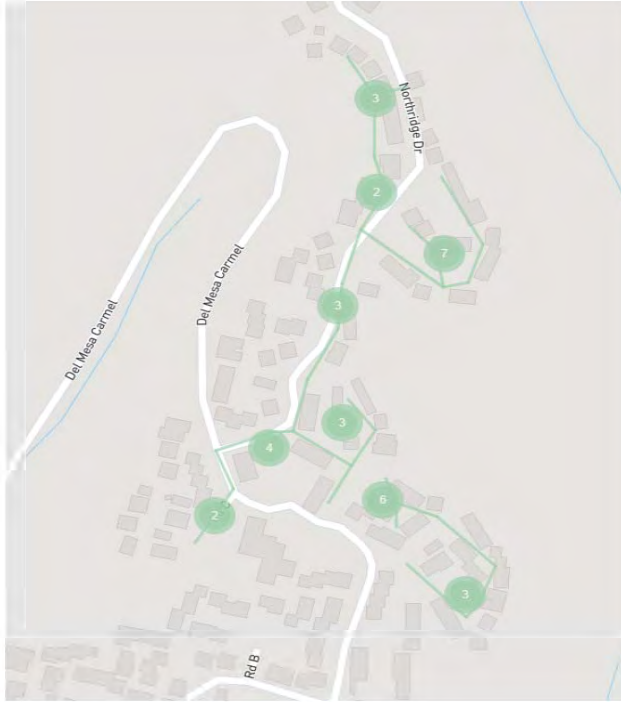
Contact: Treanor
Area Sewer Lines

Project Name: Del Mesa Sewer Rehab #2
Dept.: Collections
Project Number
Total Cap Projection: \$ 1,748,376
CY Budget
GL Account:

Asset Type: N/A
Pipe Material: Vitrified Clay
Pipe Diameter: 6 inch
Year Built: 1966
Asset Condition Rating: PACP Defect=5
Structural Index>5
Carry Forward:

Asset Description

Replace approximately 4,857 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	29-30	30-31	Total
Construction			\$ 1,456,980	\$ 1,456,980
Engineering	\$291,396			\$ 291,396
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
Total		\$ 291,396	\$ 1,456,980	\$ 1,748,376

16 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material vcp

Pipe Diameter 6" to 10"

Year Built: 1945

Asset Condition Rating: PACP Defect=5

Structural Index>4.5

Carry Forward: Yes

Project Name: Junipero School Area Sewer Replacement

Dept.: Collections

Project Number

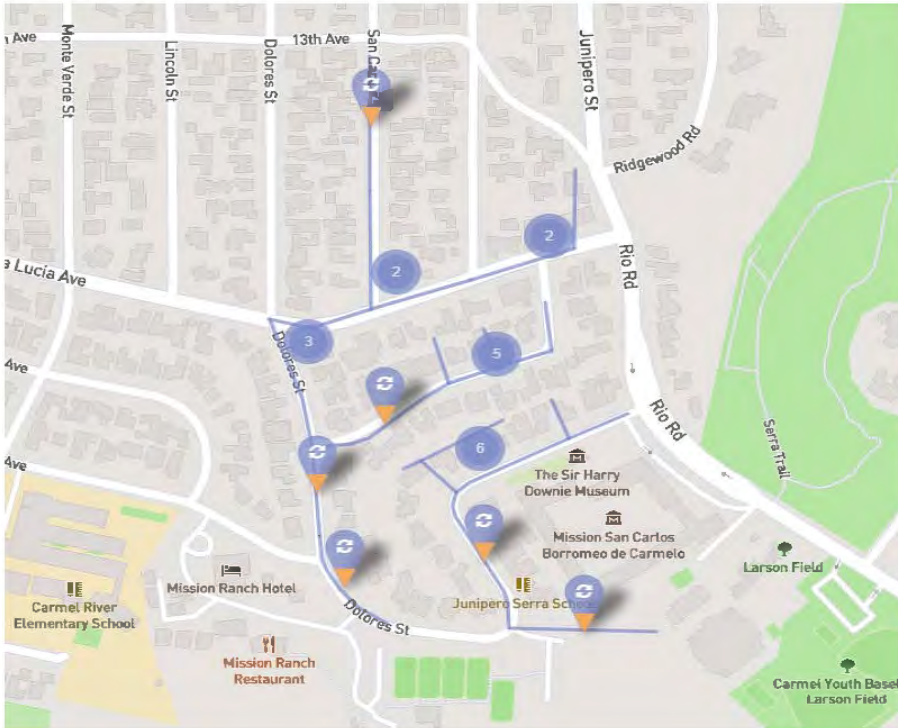
Total Cap Projection: \$ 1,788,585

CY Budget

GL Account:

Asset Description

Replace approximately 5,527 linear feet of existing clay pipe with a new High-Density Polyethylene (HDPE), including manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	29-30	30-31	Total
Construction			\$ 1,456,980	\$ 1,456,980
Engineering	\$331,605			\$ 331,605
				\$ -
				\$ -
				\$ -
				\$ -
Total	\$ 331,605	\$ 1,456,980	\$ 1,788,585	

FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6" & 10"

Year Built: 1951

Asset Condition Rating: PACP Defect=5

Structural Index>3.5

Carry Forward: Yes

Project Name: Mission Fields Area Pipe Replacement

Dept.: Collections

Project Number

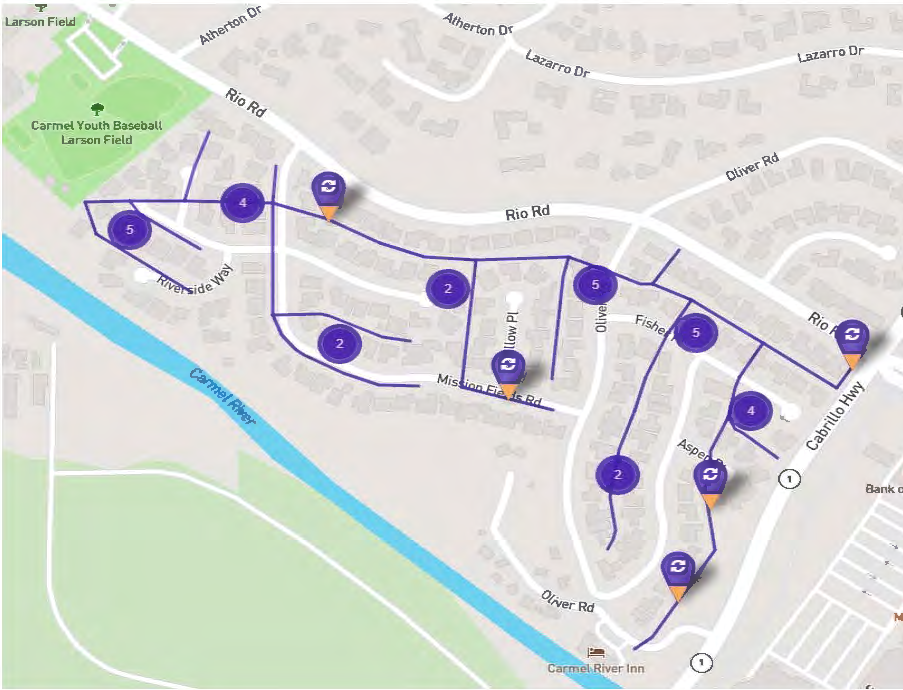
Total Cap Projection: \$ 2,871,270

CY Budget

GL Account:

Asset Description

Replace approximately 7,976 linear feet of existing 6 and 10-inch clay pipe with a new High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	29-30	30-31	31-32	Total
Construction				\$ 2,392,770	\$ 2,392,770
Engineering		\$200,000	278500		\$ 478,500
Other					\$ -
Total		\$ 200,000	\$ 278,500	\$ 2,392,770	\$ 2,871,270

18 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6",10" & 12"

Year Built: 1949

Asset Condition Rating: PACP Defect=5

Structural Index>3

Carry Forward: Yes

Project Name: Monte Verde Pump Station and Sewer Rehab

Dept.: Collections

Project Number

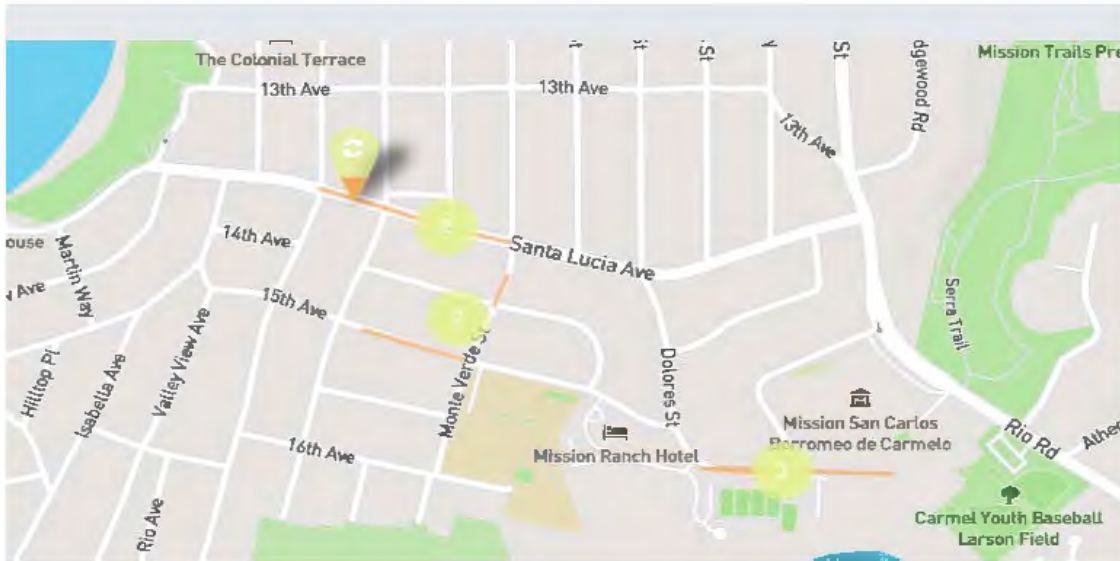
Total Cap Projection: \$ 1,363,000.00

CY Budget

GL Account:

Asset Description

Replace approximately 4,376 linear feet of existing 6, 10 and 12-inch clay pipe with a new High-Density Polyethylene (HDPE). Includes manhole rehabilitation. Replace and repair portions of pump station as needed.



Justification

Pipeline was observed to be in fair to poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	30-31	31-32	Total
Labor			\$ 1,063,000	\$ 1,063,000
Engineering	\$ 300,000			\$ 300,000
Other				\$ -
Total		\$ 300,000	\$ 1,063,000	\$ 1,363,000

19 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Taylor Road Area Sewer Replacement

Dept.: Collections

Project Number

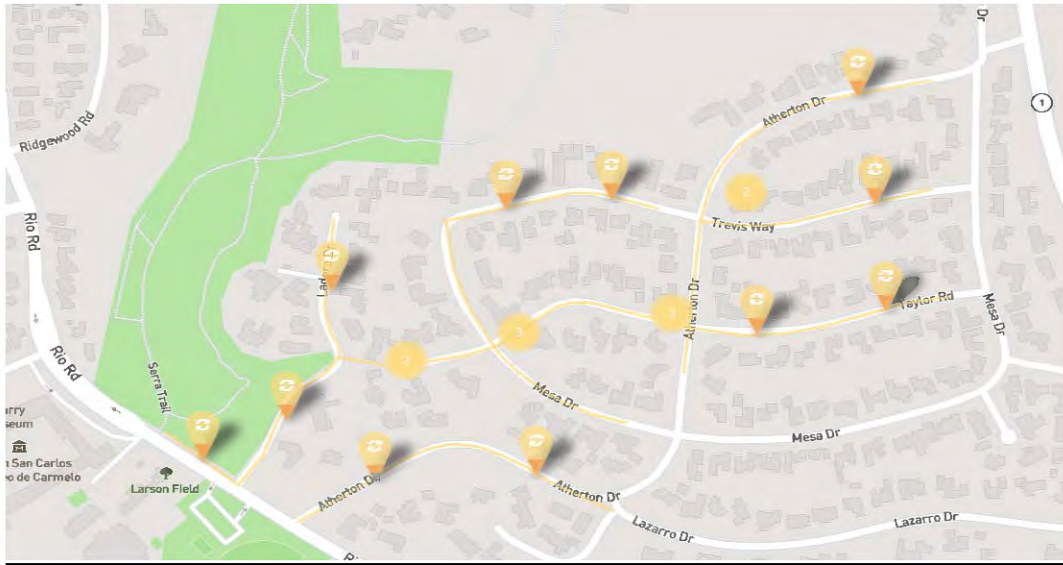
Total Cap Projection: \$ 2,815,780

CY Budget

GL Account:

Asset Description

Replace approximately 7,822 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

Prior Yrs.	30-31	31-32	32-33	Total
Construction			\$ 2,346,480	\$ 2,346,480
Engineering	\$200,000	\$269,300		\$ 469,300
Total	\$ 269,300	\$ 2,346,480	\$ 2,815,780	\$ 2,815,780

20 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6" & 8"

Year Built: 1967

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: No

Project Name: Upper Canada Ct/Outlook Sewer Rehab

Dept.: Collections

Project Number

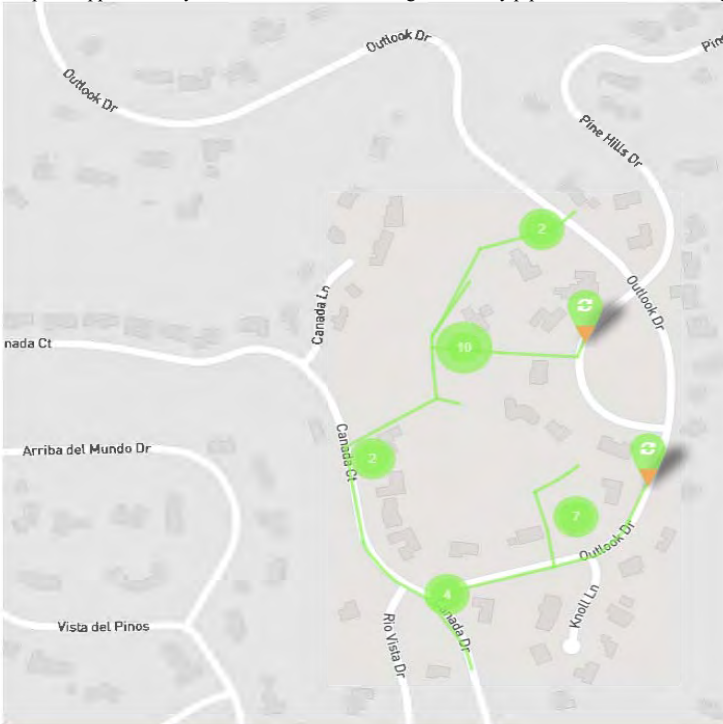
Total Cap Projection: \$ 1,393,812

CY Budget

GL Account:

Asset Description

Replace approximately 3,871 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	32-33	33-34	Total
Construction			\$ 1,161,510	\$ 1,161,510
Engineering		\$232,302		\$ 232,302
Other				\$ -
Total		\$ 232,302	\$ 1,161,510	\$ 1,393,812

21 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1940

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: No

Project Name: Upper/Lower Trail Pipe Rehab

Dept.: Collections

Project Number

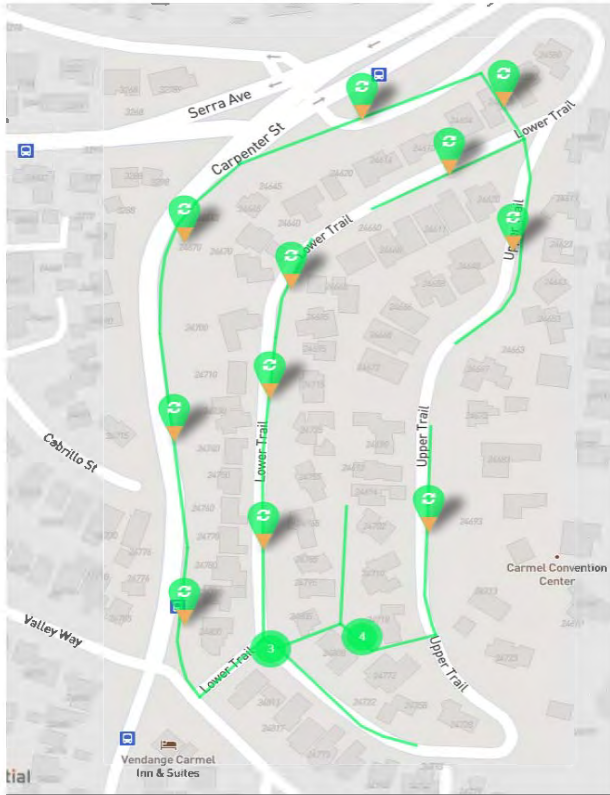
Total Cap Projection: \$ 1,471,464

CY Budget

GL Account:

Asset Description

Replace approximately 4,087 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	33-34	34-35	Total
Construction			\$ 1,226,220	\$ 1,226,220
Engineering		\$245,244		\$ 245,244
Total		\$ 245,244	\$ 1,226,220	\$ 1,471,464

FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6"

Year Built: 1922

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Monterey Street Sewer Replacement

Dept.: Collections

Project Number

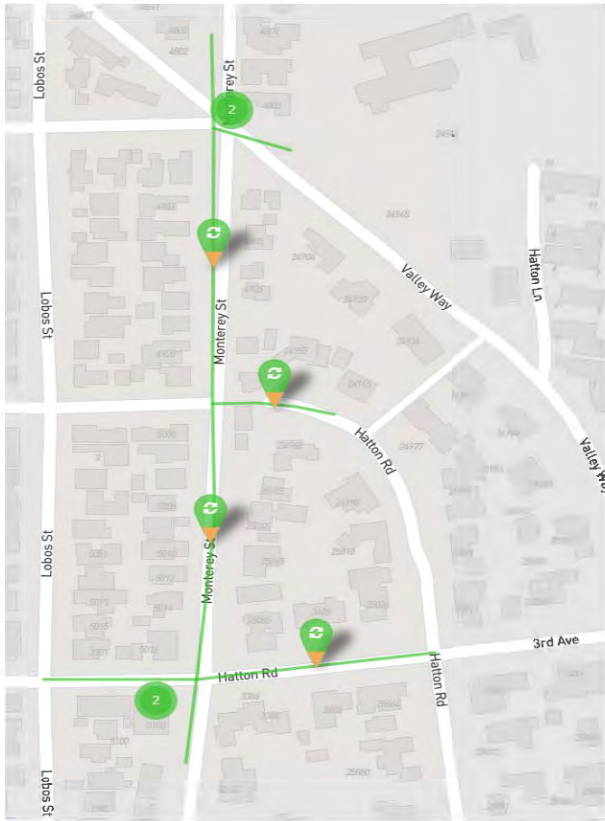
Total Cap Projection: \$ 746,640

CY Budget

GL Account:

Asset Description

Replace approximately 2,074 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	32-33	33-34	Total
Construction			\$ 622,200	\$ 622,200
Engineering		\$124,440		\$ 124,440
Total		\$ 124,440	\$ 622,200	\$ 746,640

23 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Pump Station

Pipe Material

Pipe Diameter

Year Built: 1953

Asset Condition Rating: fair

Carry Forward: Yes

Project Name: Calle la Cruz Pump Station Relocation

Dept.: Collections

Project Number

Total Cap Projection: \$ 4,500,000

CY Budget

GL Account:

Asset Description

The pump station is located on the bluff adjacent to Carmel Lagoon. The wet well was lined in 2013 with "sewercoat" which has a 5 year guarantee.

Justification

The pump station is located next to the lagoon and is not designed for by-passing sewage in an emergency. Sea level rise and the Carmel River Free project are anticipated to

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	32-33	33-34	34-35	Total
Construction				\$ 3,000,000	\$ 3,000,000
Engineering		\$200,000	\$200,000		\$ 400,000
Environmental	\$	200,000	\$ 150,000	\$ 150,000	\$ 500,000
Construction Inspection				\$ 400,000	\$ 400,000
					\$ -
Other			\$ 200,000		\$ 200,000
Total		\$ 400,000	\$ 550,000	\$ 3,550,000	\$ 4,500,000

Other=permits, easements, etc.

24 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: N Mesa Drive Sewer Replacement

Dept.: Collections

Project Number

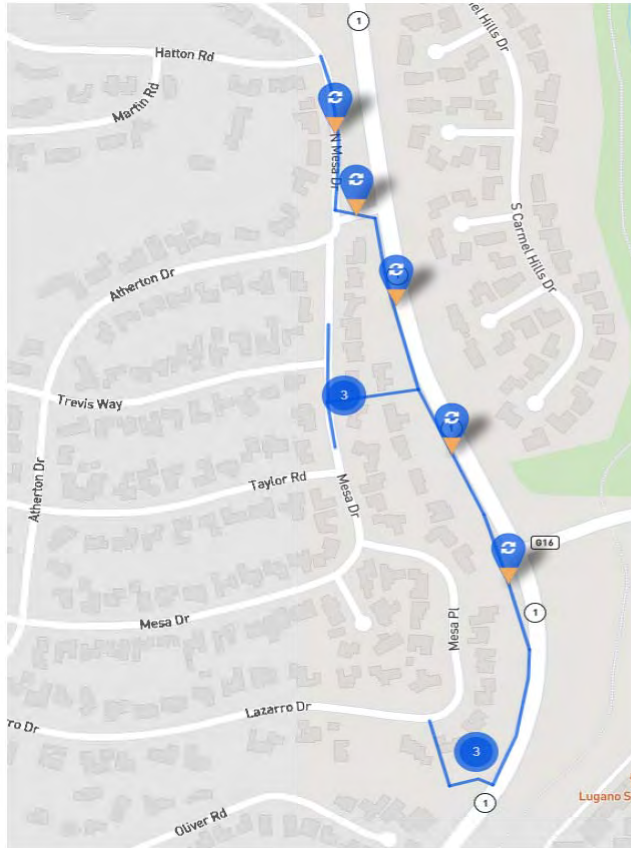
Total Cap Projection: \$ 1,246,860

CY Budget

GL Account:

Asset Description

Replace approximately 3,464 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are in fair to poor condition.

Funding Source

Primary	Capital Reserves	Secondary
---------	------------------	-----------

Budget Impact/Other

	Prior Yrs.	33-34	34-35	Total
Construction			\$ 1,039,050	\$ 1,039,050
Engineering		\$207,810		\$ 207,810
Total		\$ 207,810	\$ 1,039,050	\$ 1,246,860

25 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Pump Station

Asset Type: Collections Force

Pipe Material

Pipe Diameter

Year Built: 2004

Asset Condition Rating:

Carry Forward: No

Project Name: Highlands Inn Pump Station and Forced Main Rehab

Dept.: Collections

Project Number

Total Cap Projection: \$2,550,000.00

CY Budget

GL Account:

Asset Description

Small pump station located at the Highlands Inn property. High levels of H2S have been produced in the force main to Calle La Cruz pump station.

Justification

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	33-34	34-35	35-36	Total
Construction				\$ 2,000,000	\$ 2,000,000
Engineering		\$350,000	\$200,000		\$ 550,000
Parts & Supplies					\$ -
Chemicals					\$ -
Utility					\$ -
Other					\$ -
Total		\$ 350,000	\$ 200,000	\$ 2,000,000	\$ 2,550,000

26 **FY 2024-25 Budget**
Carmel Area Wastewater District

Project Name: Hacienda Pump Station Rehab
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 600,000.00
 CY Budget
 GL Account:

Contact: Treanor
 Area Sewer Lines
 Asset Type: Collections Gravity
 Pipe Material
 Pipe Diameter
 Year Built:
 Asset Condition Rating: Capital Improvement
 Carry Forward: No

Asset Description

Hacienda Pump Station serves all parcels east of the Hacienda condo association. It delivers sewage from that area to the main trunk lines on Rio Road.

Justification

Pump station age and condition estimated

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	34-35	35-36	Total
Construction			\$ 450,000	\$ 450,000
Engineering	\$ 150,000			\$ 150,000
Utility				\$ -
Other				\$ -
Total		\$ 150,000	\$ 450,000	\$ 600,000

FY 2024-25 Budget
 Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1942

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: Yes

Project Name: Hatton Road Area Sewer Rehab

Dept.: Collections

Project Number

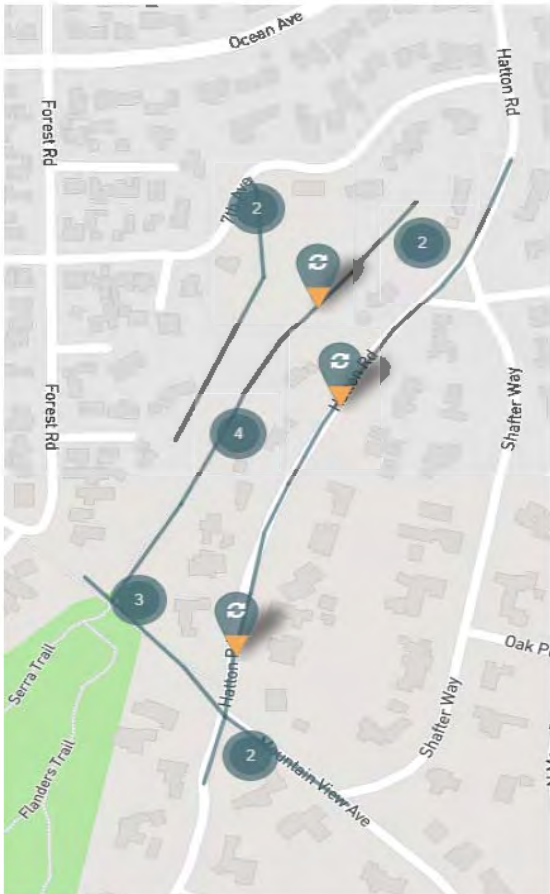
Total Cap Projection: \$ 1,602,036

CY Budget

GL Account:

Asset Description

Replace approximately 4,450 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are also in poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

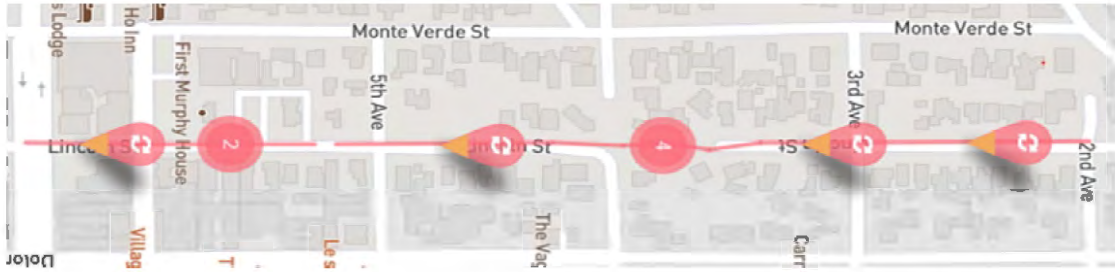
	Prior Yrs.	35-36	36-37	Total
Construction			\$ 1,335,030	\$ 1,335,030
Engineering	\$	267,006		\$ 267,006
Total	\$	267,006	\$ 1,335,030	\$ 1,602,036

Project Name: Lincoln - 1st Avenue to Ocean
Dept.: Collections
Project Number:
Total Cap Projection: \$ 1,985,596
CY Budget
GL Account:

Pipe Material Vitrified Clay
Pipe Diameter 6 inch
Year Built: 1921
Asset Condition Rating: PACP Defect=4
Structural Index>4

Asset Description

Approximately 2,000 feet of vitrified clay pipe to be replaced with 8 inch diameter High Density Polyethylene (HDPE) pipe using pipe bursting or open cut methods.



Justification

Poor structural condition observed in sewer video. Holes in Pipe. Manholes in fair to poor condition. In a high traffic street. **City plans to Cape Seal in 2023 and this will be 10 years later.**

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	35-36	36-37	Total
Construction			\$ 677,190	\$ 677,190
Engineering		\$150,000		\$ 150,000
Other				\$ -
Total		\$ 150,000	\$ 677,190	\$ 827,190

29 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6"

Year Built: 1921

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: Yes

Project Name: Pico/Camino Del Monte/Santa Fe

Dept.: Collections

Project Number

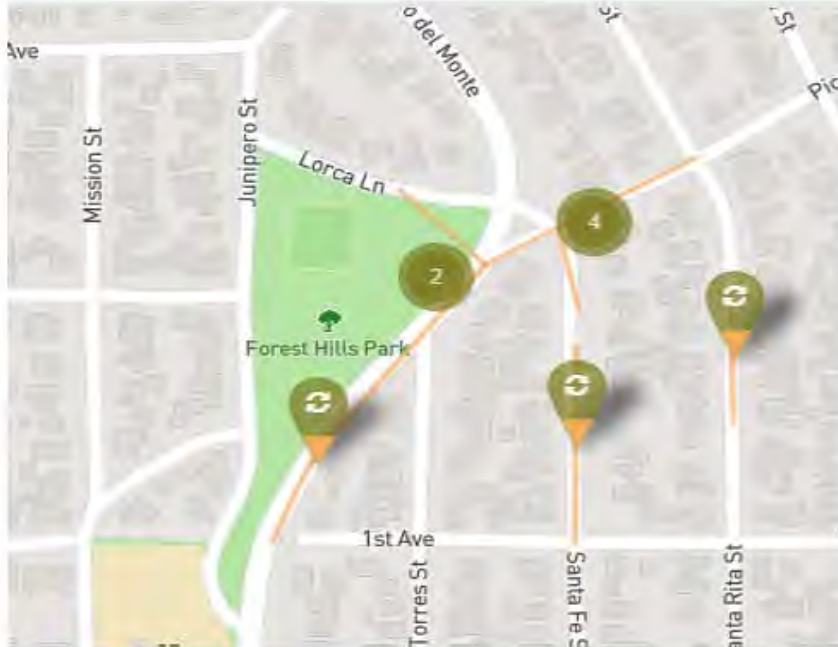
Total Cap Projection: \$ 750,000

CY Budget

GL Account:

Asset Description

Replace approximately 1,971 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	35-36	36-37	Total
Construction			\$ 600,000	\$ 600,000
Engineering		\$ 150,000		\$ 150,000
Total		\$ 150,000	\$ 600,000	\$ 750,000

30 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 Inxh

Year Built: 1966

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: No

Project Name: Del Mesa Sewer Rehab #3

Dept.: Collections

Project Number

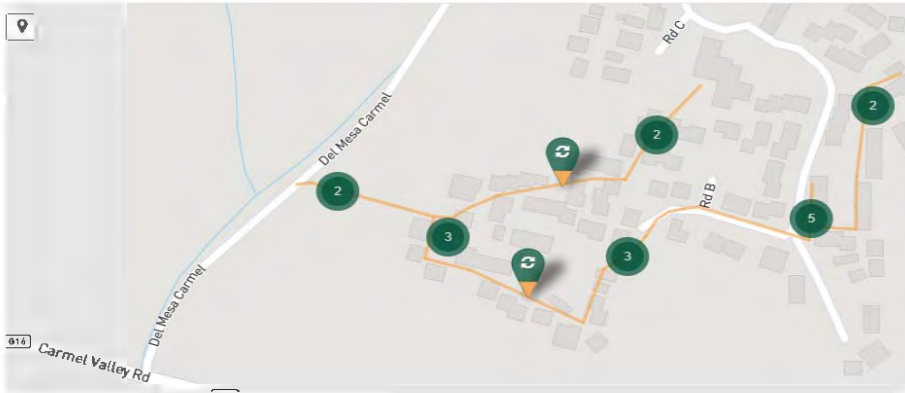
Total Cap Projection: \$ 1,386,910

CY Budget

GL Account:

Asset Description

Replace approximately 3,790 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	36-37	37-38	Total
Construction			\$ 1,136,910	\$ 1,136,910
Engineering		\$250,000		\$ 250,000
Total		\$ 250,000	\$ 1,136,910	\$ 1,386,910

31 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: No

Project Name: San Carlos Sewer Replacement

Dept.: Collections

Project Number

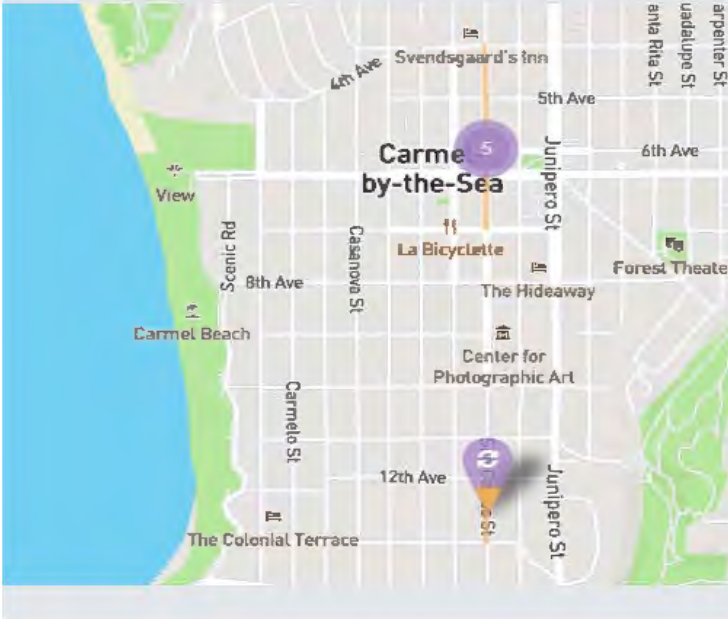
Total Cap Projection: \$ 581,000

CY Budget

GL Account:

Asset Description

Replace approximately 1,520 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	36-37	37-38	Total
Construction			\$ 456,000	\$ 456,000
Engineering		\$ 125,000		\$ 125,000
Other				\$ -
Total		\$ 125,000	\$ 456,000	\$ 581,000

32

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1962

Asset Condition Rating: PACP Defect=4

Structural Index>4

Carry Forward: Yes

Project Name: Carmel Meadows/Cuesta Way Sewer Replacement

Dept.: Collections

Project Number

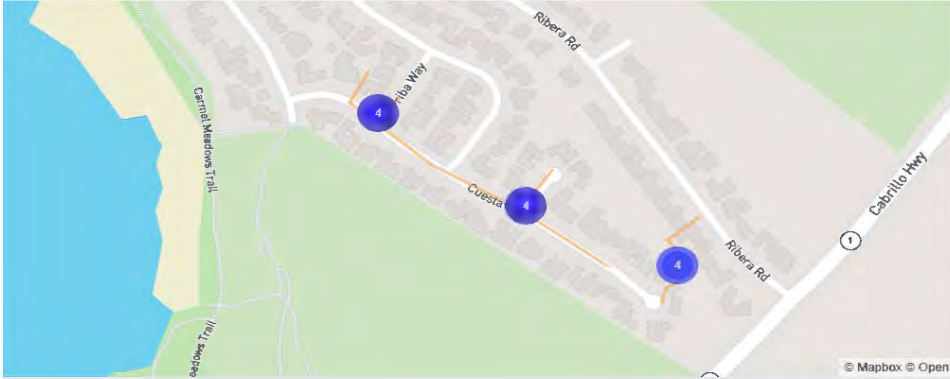
Total Cap Projection: \$ 651,110

CY Budget

GL Account:

Asset Description

Replace approximately 1,754 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Manholes are in fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	36-37	37-38	Total
Construction		\$	526,110	\$ 526,110
Engineering		\$125,000		\$ 125,000
Total		\$ 125,000	\$ 526,110	\$ 651,110

FY 2024-25 Budget
 Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1959

Asset Condition Rating: PACP Defect=

Overall Structural>4

Carry Forward: Yes

Project Name: Upper Carmel Knolls Area Sewer Rehab

Dept.: Collections

Project Number

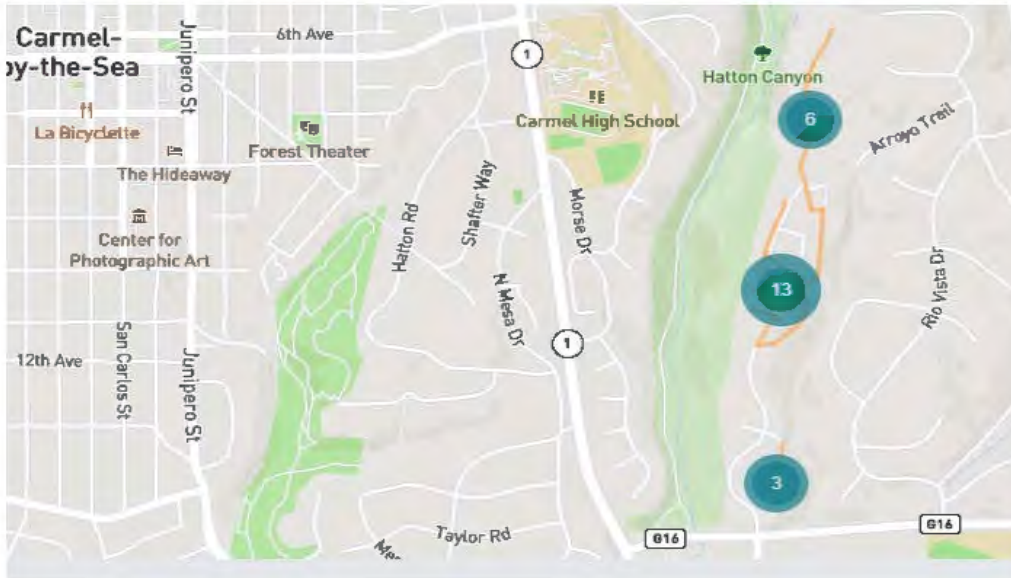
Total Cap Projection: \$ 1,985,596

CY Budget

GL Account:

Asset Description

Replace approximately 3,160 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	37-38	38-39	Total
Construction			\$ 1,685,596	\$ 1,685,596
Engineering		\$300,000		\$ 300,000
Total		\$ 300,000	\$ 1,685,596	\$ 1,985,596

FY 2024-25 Budget
 Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1921

Asset Condition Rating: PACP Defect>4

Structural Index>3

Carry Forward: Yes

Project Name: Cabrillo Hwy/Ocean Avenue Sewer Replacement

Dept.: Collections

Project Number

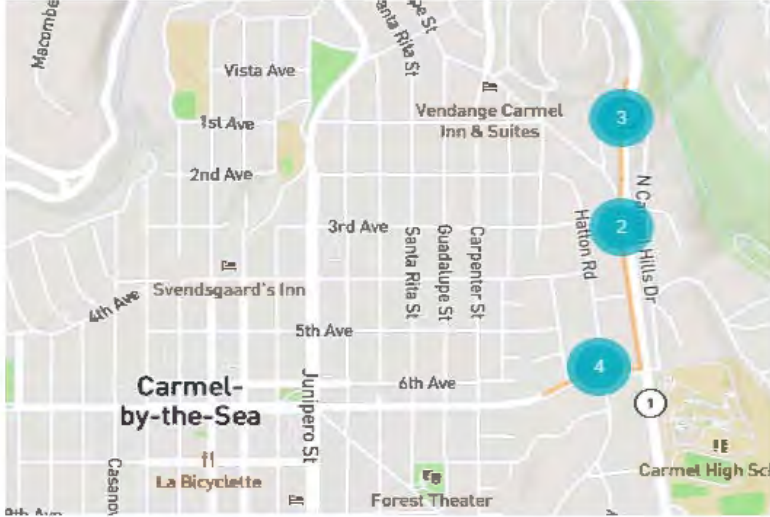
Total Cap Projection: \$ 1,200,000

CY Budget

GL Account:

Asset Description

Replace approximately 3,294 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

Prior Yrs.	37-38	38-39	Total
Construction		\$ 1,000,000	\$ 1,000,000
Engineering	\$200,000		\$ 200,000
Total	\$ 200,000	\$ 1,000,000	\$ 1,200,000

35 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1959

Asset Condition Rating: PACP Defect>4

Structural Index>3

Carry Forward: Yes

Project Name: Lower Carmel Knolls Sewer Replacement

Dept.: Collections

Project Number

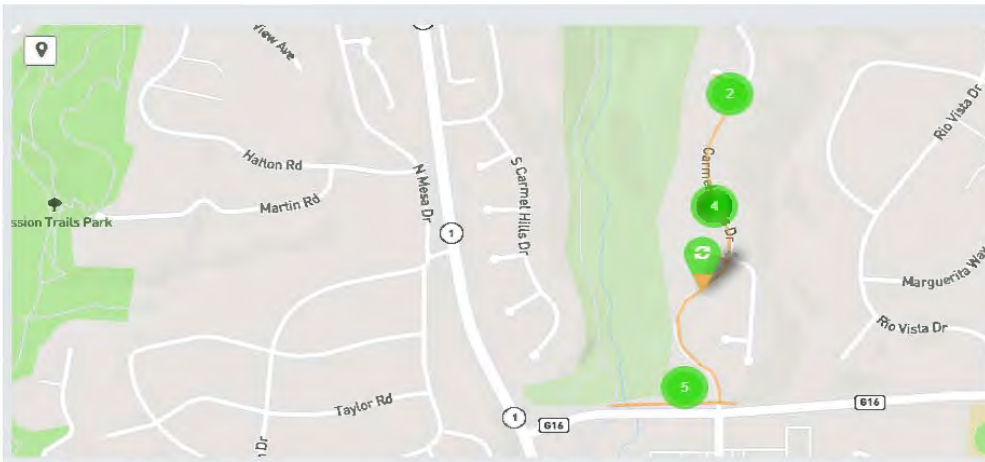
Total Cap Projection: \$ 1,150,000

CY Budget

GL Account:

Asset Description

Replace approximately 3160 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation



Justification

Pipeline was observed to be in poor condition during video inspection. Holes were observed in multiple locations throughout the project area. Manholes are fair to poor condition.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	38-39	Unscheduled	Total
Construction			\$ 950,000	\$ 950,000
Engineering		\$200,000		\$ 200,000
Total		\$ 200,000	\$ 950,000	\$ 1,150,000

36 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1976

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Arroyo Carmel Sewer Rehab
Dept.: Collections
Project Number
Total Cap Projection: \$ 1,027,000
CY Budget
GL Account:

Asset Description



Justification

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yrs.	38-39	Unscheduled	Total
Construction			\$ 777,000	\$ 777,000
Engineering		\$250,000		\$ 250,000
Other				\$ -
Total		\$ 250,000	\$ 777,000	\$ 1,027,000

37 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Doolittle Trail Sewer Replacement

Dept.: Collections

Project Number

Total Cap Projection: \$ 2,573,460

CY Budget

GL Account:

Asset Description



Justification

Funding Source

Primary	Capital Reserves	Secondary
---------	------------------	-----------

Budget Impact/Other

	Prior Yrs.	38-39	Unscheduled	Total
Construction			\$ 1,223,460	\$ 1,223,460
Engineering		\$250,000	\$100,000	\$ 350,000
Environmental		\$ 300,000	\$ 400,000	\$ 700,000
Construction Management			\$ 300,000	\$ 300,000
Total		\$ 550,000	\$ 2,023,460	\$ 2,573,460

38 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor

Area Sewer Lines

Asset Type: Collections Gravity

Pipe Material VCP

Pipe Diameter 6 inch

Year Built: 1950

Asset Condition Rating: PACP Defect=4

Structural Index>3

Carry Forward: Yes

Project Name: Upsize Lower Rancho Canada Pipeline
 Dept.: Collections
 Project Number
 Total Cap Projection: \$ 200,000
 CY Budget
 GL Account:

Asset Description

Justification

Funding Source

Primary Capital Reserves

Budget Impact/Other

	PROR YRS.	Unscheduled	Total
Construction		\$	-
Engineering		\$200,000	\$ 200,000
Environmental		\$	-
Construction Management		\$	-
Total		<u>\$ 200,000</u>	<u>\$ 200,000</u>

CAWD Collections Dept - Capital Equipment

FY 2024/25 thru 2028/29

Project #	PROJECT	24/25	25/26	26/27	27/28	28/29	Unscheduled
1	Replace Collection Superintendent Truck (#17)	\$ 95,000					
2	Replace sewer jetter (35)	\$ 400,000.00					
3	Back up Portable Generator for all 7 pump stations	\$ 95,000					
4	Skid Mounted Easement Machine Jetter		\$ 105,000				
5	Replace CCTV Van			\$470,000.00			
6	Replace Flatbed dump truck #28				\$ 150,000		
7	Replace Portable air compressor					\$ 60,000	
	TREATMENT & DISPOSAL TOTAL	\$ 590,000	\$ 105,000	\$ 470,000	\$ 150,000	\$ 60,000	
	RECLAMATION SHARE	\$ -	\$ -	\$ -	\$ -	\$ -	
	PBCSD SHARE	\$ -	\$ -	\$ -	\$ -	\$ -	
	CAWD COST	\$ 590,000	\$ 105,000	\$ 470,000	\$ 150,000	\$ 60,000	

1 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Lif 12 years
Est Residual Li 1 year
% Consumed L 98
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Project Name: Replace Collection Superintendent Truck (#17)
Dept: Collections
Total Cost: \$ 95,000
CY Budget \$ 95,000
GL Account:

Asset Description

Chevy 4X4 truck (Unit #17) primary use as the Collection Superintendent's vehicle with a dual purpose of employee conference vehicle. This vehicle was purchased in 2009 and currently has 113,320 miles on it.

Year Built: 2009
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: Moderate Deterioration

Justification

Replacement of the 2009 Chevy 4x4 (Unit #17) which currently has 113,320 miles on it. This truck is the Collections Superintendent truck as well as the main vehicle for transportation of the Collection staff to/from conferences and training. Staff will look into replace this vehicle with a fully electric vehicle (EV) however availability and reliability of EV might not allow for the procurement of an EV. In 2020 California passed a ban on the sale of gas and diesel powered vehicle by 2035. A naturally aspirated vehicle will be chosen if this is the better choice for the District at this time.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies		\$ 95,000						\$ 95,000
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000

2

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Lauer
 Area: Vehicle
 Asset Type: Vehicle Fleet
 Avg Useful Lif: 10 years
 Est Residual Li: 1 year
 % Consumed L: 95
 Category: Capital Equipment
 Urgency: 1 = Critical
 Carry Forward: No

Project Name: Replace Sewer Pressure Cleaner Truck (unit #35)
 Dept: Collections
 Total Cost: \$ 400,000
 CY Budget: \$ 400,000
 GL Account:

Asset Description

This unit serves as the primary sewer jet truck for daily sewer main cleaning. It has 1,600 gallons of water storage supplying a water pump capable of an output up to 3000 psi at 60 gpm through a 3/4" hose 1000' in length.

Year Built: 2007
 Rehabilitation Date (Extending life of Asset): n/a
 Rehab Life Extension: n/a
 Asset Condition Rating: Moderate Deterioration

Justification

This asset is scheduled to be replaced due to its age in budget year 24/25, and has had a number of mechanical issues that have made it less reliable for continued service. It has spent a significant amount of its service life being repaired by the manufacturer due to a multitude of part and component failures.

Asset Risk Management Strategy

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

Funding Source

Primary	Capital Reserves	Secondary						Unscheduled	Total
Budget Impact/Other	Prior Yr	24-25	25-26	26-27	27-28	28-29			
Labor							\$	-	
Engineering							\$	-	
Parts & Supplies		\$ 400,000					\$	400,000	
Chemicals							\$	-	
Utility							\$	-	
Other							\$	-	
Total		\$ 400,000			\$ -	\$ -	\$ -	\$ 400,000	

3

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Lauer
 Area: Pump Station
 Asset Type: Pump Station
 Avg Useful Lif 20 years
 Est Residual Life:
 % Consumed Life:
 Category: Capital Equipment
 Urgency: 1 = Critical
 Carry Forward: No

Project Name: Portable Backup Generator for Pump Stations
 Dept: Collections
 Total Cost: \$ 95,000
 CY Budget \$ 95,000
 GL Account:

Asset Description

A three phase 240/480 volt 100KW portable generator used as a back up to the permanent station generators that exist at several of the District's pump stations. This unit is capable of powering all the District pump stations due to its ability to select the desired output rating for each station's needs. The back up portable unit ensures that there is a redundant and seamless transition of power for all of the district assets and our constituents who rely on our service.

Year Built: n/n
 Rehabilitation Date (Extending life of Asset): n/a
 Rehab Life Extension: n/a
 Asset Condition Rating: n/n

Justification

The Generac portable generator, normally deployed to the Bay & Scenic pump station, has reached the end of it's useful service life. The CAT generator previous purchased for this portable role will become the Bay & Scenic Station generator replacing the Generac unit, therefore opening up the role for the new generator to fill this vacated position. It is imperative to have a back up portable generator for all stations because at any given time, any station generator currently in use could fail to start. Having the back up unit ready to go ensures a seamless transition of power with uninterrupted service for our constituents.

Asset Risk Management Strategy

Capital Improvement Risk Add Backup/Redundancy
 Maintenance Risk Management Predictive & Preventative Maintenance
 Non Asset Risk Management

Funding Source

Primary	Capital Reserves	Secondary							
Budget Impact/Other									
	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total	
Labor							\$	-	
Engineering							\$	-	
Parts & Supplies		\$ 95,000					\$	95,000	
Chemicals							\$	-	
Utility							\$	-	
Other							\$	-	
Total		\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000

4 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Lauer
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Lif: 20 years
Est Residual Li: 15 years
% Consumed Life:
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Skid Mounted Easement Machine Jeter
Dept: Collections
Total Cost: \$ 105,000
CY Budget:
GL Account:

Asset Description

Procurement of a high pressure hydraulic easement sewer line cleaning machine. The Jeter will be mounted on a skid that will be loaded into a 4X4 pickup and driven into a remote sewer easement for maintenance line cleaning. The skid will include 3/8" reel and hose, water tank and hydraulic pump and motor.

Year Built: n/a
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: n/a

Justification

The Collection department is in need of a portable easement sewer line cleaning machine. This skid mounted machine will allow the staff to clean hard to access sewer lines safely. Currently, staff drags sewer hose from the large cleaning equipment into the remote easements for maintenance cleaning. The portable skid mounted Jeter will effectively clean sewer line 3" to 6" in diameter and can be used at the treatment plant to clean small drain lines that staff would normally contract out.

Asset Risk Management Strategy

Capital Improvement Risk Add Backup/Redundancy
Maintenance Risk Management Predictive & Preventative Maintenance
Non Asset Risk Management

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies			\$ 105,000					\$ 105,000
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ -	\$ 105,000		\$ -	\$ -	\$ -	\$ 105,000

5 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Lauer
Area: Sewer Lines
Asset Type: Vehicle Fleet
Avg Useful Life: 15 years
Est Residual Life: 1 year
% Consumed Life: 85
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Replace CCTV Van
Dept: Collections
Total Cost: \$ 470,000
CY Budget
GL Account:

Asset Description

This IBAK CCTV unit on a Ford E450 chasis serves as the primary CCTV pipeline inspection platform used by staff. This asset allows for real time assesment of pipeline conditions by deploying a small tractor with a camera. It typically has 1000' of cable.

Year Built: 2007
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: Moderate Deterioration

Justification

This unit has reached the later stages of its service life. Throughout its service life it has required a few extensive repairs, in both its mechanical functions and its computer hardware and software. Since the purchase of this asset, the technologies have advanced so much that a new comprehensive unit will allow the inspections to be completed in a fraction of the time the traditional inspections would require by using AI (artificial intelligence). Therefore, the exposure of dangerous conditions to staff will be limited to a minimum, for example, being in a high traffic scenario, the less time taken to inspect the pipeline, the less exposure to traffic conditions and the like, and visa versa, less time crews spend disrupting the normal flow of traffic in any given setup.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies				\$ 470,000				\$ 470,000
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ -	\$ -	\$ 470,000	\$ -	\$ -	\$ -	\$ 470,000

6 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Sewer Lines
Asset Type: Vehicle Fleet
Avg Useful Lif 15 years
Est Residual Li 1 year
% Consumed L 85
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Replace Flat Bed dump truck #28
Dept: Collections
Total Cost: \$ 150,000
CY Budget
GL Account:

Asset Description
2014 Ford F550, 2WD, Diesel, Dump bed with side and rear gates. California Air Resources Board new standard for Zero Emmission Fleet Vehicles over 8,500 lbs may require that this vehicle purchase be all electric in the year 2027.

Year Built: 2007
Rehabilitation Date (Extendng life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: Moderate Deterioration

Justification
This unit is crucial to district repair operations. It is the primary spoils and material hauler in the district fleet, as well as has been used to transport the portable air compressor for asphalt removal operations, and is used to deploy portable generators as needed. Although not a tool used often, it is unmatched for its purpose among our fleet when utilized.

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

Funding Source									
Primary	Capital Reserves	Secondary							
Budget Impact/Other									
	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total	
Labor								\$	-
Engineering								\$	-
Parts & Supplies					\$ 90,000			\$	90,000
Chemicals								\$	-
Utility								\$	-
Other								\$	-
Total		\$ -	\$ -		\$ 90,000	\$ -	\$ -	\$ -	\$ 90,000

7

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Lauer
 Area: Sewer Lines
 Asset Type: Support Equipment
 Avg Useful Lif 15 years
 Est Residual Li 1 year
 % Consumed L 85
 Category: Capital Equipment
 Urgency: 2 = Very Important
 Carry Forward: No

Project Name: Replace Collections Portable Air Compressor
 Dept: Collections
 Total Cost: \$ 60,000
 CY Budget
 GL Account:

Asset Description

2005 Sullair Tow Behind Portable Air Compressor. 185 CFM

Year Built: 2007
 Rehabilitation Date (Extendng life of Asset): n/a
 Rehab Life Extension: n/a
 Asset Condition Rating: Moderate Deterioration

Justification

This aged unit (2005) is almost at 20 years in service. This asset is valuable because it has the ability to provide the high air flow required when using a jackhammer for asphalt removal during District pipeline repair operations. Due to its age, this unit is being phased out by the local air quality boards because of its emissions output while being operated. A new unit will ensure the emissions are within the new CA regulations.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies						\$ 60,000	\$	60,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -		\$ -	\$ 60,000	\$ -	\$ 60,000

**CARMEL AREA WASTEWATER DISTRICT TREATMENT PLANT
LONG TERM CAPITAL PROJECTS - FY 2024/25 - 2038/39**

Item #	Project Number	PROJECT	Estimated Prior Spent Thru 23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	Unscheduled	Total
PLANNED PROJECTS																				
1	19-21	Carmel River FREE Mitigation Project (Funded by Grants/County, See Below)*	\$0	\$0	\$0	\$0														\$0
2	22-03	Main Potable Water and Gas Main Replacement (5.5% Collections)	\$150,000	\$300,000	\$400,000	\$550,000														\$1,250,000
3	22-06	Vactor Truck Unloading Station (100% Collections)	\$104,950	\$575,000																\$575,000
4	24-03	Artificial Intelligence Pilot Project	\$35,000	\$150,000																\$150,000
5	19-18	Perimeter Fencing	\$50,000	\$25,000	\$275,000															\$300,000
6		Fish Passage on CAWD Sewer Crossing on the Carmel River			\$30,000															\$30,000
7		Outfall Cathodic Protection Anode Bed and Rectifier Replacement			\$60,000	\$150,000														\$210,000
8	18-28	WWTP Perimeter Tree Planting	\$5,020		\$75,000	\$50,000														\$125,000
9	22-04	Plant Bridge Retrofit Project			\$150,000	\$150,000	\$200,000	\$800,000												\$1,300,000
10		Plant Paving and Vault Lids				\$500,000														\$500,000
11		Plant Landscaping				\$150,000														\$150,000
12		Digester No. 1 - Rehabilitation				\$150,000														\$910,000
13		Replace Older Turbex Blower					\$760,000													\$530,000
14		Influent Pump Station Wet Well Repairs					\$530,000													\$300,000
15		Office Trailer Replacements					\$300,000													\$350,000
16		Lagoon Crossing Rehabilitation					\$50,000	\$300,000												\$500,000
17		Ocean Outfall Rehabilitation								\$500,000										\$1,000,000
18		Next Generation PLC/SCADA Upgrades Phase 1									\$1,000,000									\$1,000,000
19		Septage Waste Receiving Station												\$1,000,000						\$1,000,000
20		Sea Level Rise Flood Mitigation																	\$1,000,000	Unknown
PROCESS AREA REHABILITATION AND MAINTENANCE PROJECTS																				
21		Misc. Yard Piping Rehab and Maintenance Projects							\$90,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000	\$90,000		\$900,000
22		Influent/Headworks/Primary Rehab and Maintenance Projects							\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$1,000,000
23		EQ/Blowers/Aeration/Secondary Rehab and Maintenance Projects (Partial Reclamation)							\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$2,000,000
24		Chlorination/Dechlorination/Effluent Rehab and Maintenance Projects (Partial Reclamation)							\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$1,000,000
25		DAFT/Digestion/Dewatering Rehab and Maintenance Projects (Partial Reclamation)							\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$1,000,000
CAPITAL PROJECTS TOTAL				\$1,050,000	\$990,000	\$1,700,000	\$1,840,000	\$1,100,000	\$590,000	\$1,090,000	\$1,590,000	\$590,000	\$590,000	\$1,590,000	\$590,000	\$590,000	\$590,000	\$590,000	\$1,000,000	\$16,080,000
*ESTIMATED GRANT/COUNTY FUNDING					\$3,500,000	\$3,500,000														\$7,000,000
TOTAL FUNDING				\$1,050,000	\$4,490,000	\$5,200,000	\$1,840,000	\$1,100,000	\$590,000	\$1,090,000	\$1,590,000	\$590,000	\$590,000	\$1,590,000	\$590,000	\$590,000	\$590,000	\$590,000	\$1,000,000	\$23,080,000
ESTIMATED RECLAMATION SHARE				\$0	\$0	\$0	\$0	\$0	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000		\$600,000
ESTIMATED PBCSD SHARE (1)				\$152,681	\$322,344	\$566,100	\$612,720	\$366,300	\$176,490	\$342,990	\$509,490	\$176,490	\$176,490	\$509,490	\$176,490	\$176,490	\$176,490	\$176,490	\$333,000	\$5,154,840
ESTIMATED CAWD COST				\$897,320	\$667,656	\$1,133,900	\$1,227,280	\$733,700	\$353,510	\$687,010	\$1,020,510	\$353,510	\$353,510	\$1,020,510	\$353,510	\$353,510	\$353,510	\$353,510	\$667,000	\$10,325,160
(1) PBCSD to pay 1/3 of costs after Reclamation, Collections, or Grant funding portion is deducted, unless otherwise noted.																				
TECHNICAL STUDIES (EXPENSED TO O&M Acct# 5500 - SHOWN HERE FOR PLANNING PURPOSES)																				
26		Coastal Hazards Monitoring Plan	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000		\$375,000
27		Coastal Hazards Response Plan	\$251,709	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$1,500,000
28		Miscellaneous Technical Studies	\$0	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000		\$1,875,000
TOTAL TECHNICAL STUDIES				\$251,709	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$0	\$3,750,000

1 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Outfall

Project Name: **Carmel River FREE Mitigation Project (Funded by Grants/County, See Below)***
Dept.: Treatment

Asset Type: Structure
Avg Useful Life: Over 50 years
Est Residual Life: N/A

Total Cap Projection: \$0* *Note that cost of project is estimated at approximately \$7 Million.
CY Budget \$0* Project is being financed thru grant funds provided by County of Monterey.

% Consumed Life: N/A
Category: CEQA Mitigation
Urgency: 3 = Important
Carry Forward: No

Project Description

Project to underground CAWD pipelines under the lagoon to mitigate impacts from the Monterey County flood control project (Carmel River FREE). The project will be financed as part of the Carmel River FREE Project. Currently the grant from the Coastal Conservancy is paying all CAWD labor costs during the engineering/environmental/permitting stage.

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

Justification

Required mitigation for the Monterey County flood control project (Carmel River FREE).

Risk Management Strategy

Capital Improvement Strategy: CEQA Mitigation
Maintenance Strategy:
Non Asset Strategy:

Funding Source

Primary Monterey County - FEMA/OES Grant Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor	\$0	\$0	\$0	\$0		\$	-
Engineering	\$0	\$0	\$0	\$0		\$	-
Parts & Supplies	\$0	\$0	\$0	\$0		\$	-
Chemicals	\$0	\$0	\$0	\$0		\$	-
Utility	\$0	\$0	\$0	\$0		\$	-
Other	\$0	\$0	\$0	\$0		\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Yard Piping
Asset Type: Pipe (Misc.)
Avg Useful Life: Over 50 years
Est Residual Life: Unknown
% Consumed Life: Unknown
Category: Maintenance
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Main Potable Water and Gas Main Replacement (5.5% Collections)**

Dept.: Treatment

Total Cap Projection: \$ 1,250,000

CY Budget \$ 300,000

Project Description

The potable water and natural gas feed into the plant currently go through the existing under river encasement. These pipes are about 40 years old and the condition is unknown. The natural gas pipe is Schedule 80 PVC and is not to current code. The project will begin with an evaluation of alternatives for reinstalling new pipelines either under the river or along the plant road to Hwy 1.

Year Built: 1980s

Rehabilitation Date (Extending life of Asset): N/A

Rehab Life Extension: N/A

Asset Condition Rating: Unknown

Justification

The potable water and natural gas utility lines entering the plant are critical to the day to day operations at the WWTP. The natural gas line is used as a supplemental heat source for digester thermophilic heating, and the potable water is used for hand washing which is a critical part of employee health and safety. If either pipe were to fail under or adjacent to the river it would be extremely difficult to repair in a timely manner, and most likely new lines would need to be installed.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor			\$ 150,000	250000			\$ 400,000
Engineering & Environmental	\$ 300,000	\$ 100,000	\$100,000				\$ 500,000
Parts & Supplies		\$ 150,000	200000				\$ 350,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ 300,000	\$ 400,000	\$ 550,000	\$ -	\$ -	\$ 1,250,000

3 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Sewer Lines
Asset Type: Structure
Avg Useful Life: Over 50 years
Est Residual Life:
% Consumed Life: 0%
Category: Capital Improvement
Urgency: 3 = Important
Carry Forward: No

Project Name: **Vector Truck Unloading Station (100% Collections)**

Dept.: Treatment

Total Cap Projection: \$ 679,950
CY Budget \$ 575,000

Project Description

Construction of a dedicated vector unloading station at the WWTP. The station would be a washout bay with drainage where the District could unload vector waste and remove liquid residuals prior to disposal at the landfill.

Year Built: N/A

Rehabilitation Date (Extending life of Asset): N/A

Rehab Life Extension: N/A

Asset Condition Rating: Various

Justification

The Collections Department uses their Vector Truck to clean sewer lines. The Vector Truck vacuums the solids removed during cleaning. The solids are ultimately disposed of at the landfill but first they are transported to the WWTP and transferred into a dumpster for disposal. There is currently not a dedicated and engineered station for the waste transferring to occur.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor		\$ 250,000				\$ 250,000	\$ 250,000
Engineering	\$104,950	\$ 75,000				\$ 179,950	\$ 179,950
Parts & Supplies		\$ 250,000				\$ 250,000	\$ 250,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ 104,950	\$ 575,000	\$ -	\$ -	\$ -	\$ -	\$ 679,950

4 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area WWTP
Asset Type: SCADA
Avg Useful Life: 40 years
Est Residual Life: 0 years
% Consumed Life: 100%
Category: Capital Improvement
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Artificial Intelligence Pilot Project**
Dept.: Treatment
Total Cap Projection: \$ 185,000
CY Budget \$ 150,000

Project Description

This project will start CAWD on a path to using artificial intelligence algorithms for SCADA monitoring and control. It is proposed that the pilot project be focused on "Anomaly Detection". Anomaly detection algorithms can detect outliers in SCADA data to alert operations staff of any parameter in SCADA that is outside a statistically normal range. For the WWTP process, this would include not only single variate anomalies, but also multivariate anomalies to detect changes in relationships between measurement parameters. In addition, as part of this project some new data would be brought into SCADA including motor amps from VFDs to enhance condition monitoring of pumps.

CAWD staff has never implemented an anomaly detection algorithm, and so there will be a steep learning curve. It may be beneficial to seek out a consultant to help guide the process who has experience implementing such technology.

A new computer would be purchased to run Artificial Intelligence programs in a sandbox approach during the pilot project. This computer would run the anomaly detection algorithm using SCADA Historian data, and would alert staff of SCADA data anomalies. The computer would have dedicated processing power necessary for running AI Algorithms. Alternatively, a subscription to a Machine Learning cloud service, such as Microsoft Azure, also is an option to consider with cost of \$0.32 per 1000 data points analyzed.

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

Justification

Artificial intelligence technology has the potential to improve prediction of pending failures in equipment and processes thus improving reliability.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy:
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor	\$35,000	\$ 150,000				\$	185,000
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 35,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 185,000

5 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Misc. Structures
Asset Type: Structure
Avg Useful Life: 40 years
Est Residual Life: 0 years
% Consumed Life: 100%
Category: Maintenance
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Perimeter Fencing**
Dept.: Treatment
Total Cap Projection: \$ 350,000
CY Budget \$ 25,000

Project Description

Fencing around the Treatment Plant facility has deteriorated and is failing in multiple locations. This project would replace the fencing around the entire perimeter of the Treatment Plant with 8' chain link.

Year Built: 1970s
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 8

Justification

This work is necessary to maintain security of the WWTP site.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy: Corrective Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor			\$ 50,000			\$	50,000
Engineering & Environmental	\$50,000	\$ 25,000	\$ 75,000			\$	150,000
Parts & Supplies			\$ 150,000			\$	150,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 50,000	\$ 25,000	\$ 275,000	\$ -	\$ -	\$ -	\$ 350,000

6 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area River Crossing
Asset Type: Pipe (Misc.)
Avg Useful Life: Over 50 years
Est Residual Life:
% Consumed Life: 0%
Category: Capital Improvement
Urgency: 3 = Important
Carry Forward: No

Project Name: **Fish Passage on CAWD Sewer Crossing on the Carmel River**

Dept.: Treatment

Total Cap Projection: \$ 30,000
CY Budget \$ -

Project Description

To improve adult upstream steelhead migration opportunities by installing a 6 - 12 inch curb at the downstream face of the concrete crossing to increase flow depth over the slab. Flow depth is the most significant obstacle to adult upstream passage and also contributes to predation of adults and juvenile. One or more narrow openings would be left between segments of curb to concentrate flow and attract fish at the location with the lowest jump height. This option would slightly increase the required jump height but would still be passable under most flow conditions. It also addresses velocity and depth criteria.

Year Built: n/a

Rehabilitation Date (Extending life of Asset): n/a

Rehab Life Extension: 30

Asset Condition Rating: 1 New or Excellent Condition

Justification

Waterways Consulting performed an assessment of fish passage conditions over the Carmel River sewer pipeline crossing. The crossing was identified by Trout Unlimited as a potential temporal barrier to upstream fish passage due to a hydraulic drop and the shallow flow depth conditions observed at the concrete structure. NOAA (2016) estimates that the typical upstream passage window and spawning season for adult almonids is from January to April. Year-round passage is assumed to be desired for juveniles and rearing fish within the lower Carmel River system. Passage conditions at the crossing are driven by the relationships between the Carmel River lagoon water surface elevation, the geometry of the sewer crossing, river flow, and physical conditions of the river downstream of the crossing. The crossing pipeline presents a temporal violation of applicable design standards for jump height, velocity and flow depth. The degree of non-compliance varies in magnitude and duration as a function of river and lagoon conditions at different times of the year.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy:

Non Asset Strategy: Strategic Changes to Level of Service

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor		\$	5,000			\$	5,000
Engineering						\$	-
Parts & Supplies		\$	25,000			\$	25,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000

7 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Yard Piping
Asset Type: Pipe (Process Buried)
Avg Useful Life: Over 50 years
Est Residual Life: 25 years
% Consumed Life: 50%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: **Outfall Cathodic Protection Anode Bed and Rectifier Replacement**
Dept.: Treatment
Total Cap Projection: \$ 210,000
CY Budget \$ -

Project Description

Replacement of the sacrificial anodes and associated rectifier equipment located at the WWTP Effluent building that currently provides cathodic protection for the WWTP Outfall pipe.

Year Built: 1970s, 1980s, 1990s
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:
Asset Condition Rating: Unknown

Justification

The anodes that provide the cathodic protection gradually deteriorate over time as they donate electrons to the pipeline to offset corrosion. The anodes and associated rectifier have been in service for 50 years and the anodes could be gone in the next 10 to 15 years. It is difficult to know exactly when the anodes will completely dissolve and the anodes should not be allowed to completely disappear before replacing them.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy: Preventative Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor			\$	70,000		\$	70,000
Engineering		\$	60,000	\$	50,000	\$	110,000
Parts & Supplies			\$	30,000		\$	30,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 60,000	\$ 150,000	\$ -	\$ -	\$ 210,000

8 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area

Project Name: **WWTP Perimeter Tree Planting**
Dept.: Treatment
Total Cap Projection: \$ 130,020
CY Budget \$ -

Asset Type: N/A
Avg Useful Life: N/A
Est Residual Life: N/A
% Consumed Life: N/A
Category: Capital Improvement
Urgency: 4 = Less Important
Carry Forward: No

Project Description

Further planning and potential start of implementation of planting new native trees around perimeter of plant in anticipation for potential removal of eucalyptus someday. Costs to implement would include: consultant costs, tree procurement, planting labor, and installation of temporary irrigation.

Year Built: 1970s
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: N/A

Justification

The trees surrounding the treatment plant are 40 years old. There is a need to have a long term plan for these trees which could include replacement with native species over the next 20 years to provide an environmental benefit to the surrounding area. Staff currently has a maintenance schedule for trimming the existing eucalyptus which is a costly activity due to the number of trees and the height. Further study is needed to determine best course of action and some early implementation may be warranted. Planning is for salt tolerant trees.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
Maintenance Strategy:
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor		\$	25,000	\$	25,000		\$ 50,000
Engineering		\$	15,000			\$	15,000
Parts & Supplies		\$	35,000	\$	25,000		\$ 60,000
Chemicals						\$	-
Utility						\$	-
Other	\$5,020					\$	5,020
						\$	-
Total	\$ 5,020	\$ -	\$ 75,000	\$ 50,000	\$ -	\$ -	\$ 130,020

9 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area N/A
Asset Type: Structure
Avg Useful Life: Over 50 years
Est Residual Life: 15 years
% Consumed Life: 75%
Category: Maintenance
Urgency: 5 = Future
Carry Forward: No

Project Name: **Plant Bridge Retrofit Project**
Dept.: Treatment
Total Cap Projection: \$ 1,300,000
CY Budget \$ -

Project Description

CAWD owns a pedestrian bridge over the Carmel River that continues to be a valuable asset for staff to access the North side of the river where CAWD maintains our natural gas service and also main trunk system lines. The fact that the bridge is intact after almost 90 years of service with essentially no maintenance is an indication of the quality of the construction. However, the bridge was evaluated by a structural design firm in 2011 and was found to have deficiencies during a large seismic event and vulnerable if it is hit by a large tree during an extreme flood event. If this structure could be rehabilitated it could potentially be used in the future as a pedestrian bridge for potential future coastal scenic walking trails connecting the State Park to Carmel-by-the-Sea.

Year Built: 1930s
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:
Asset Condition Rating: 7 Significant Deterioration

Justification

The bridge over the river is currently of value to the District in terms of access to assets on the North side of the river and also for access to the WWTP from the North if the plant access road is flooded. Maintaining this bridge is possible. Also, there may be value to the community in the future for coastal trails if the bridge was improved for use by the general public.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy: Corrective Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor					\$ 350,000	\$ 350,000	\$ 350,000
Engineering			\$150,000	\$150,000	\$ 200,000	\$ 100,000	\$ 600,000
Parts & Supplies					\$ 350,000	\$ 350,000	\$ 350,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 200,000	\$ 800,000	\$ 1,300,000

10 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Misc. Structures
Asset Type: Various
Avg Useful Life: Various
Est Residual Life: Various
% Consumed Life: Various
Category: Maintenance
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Plant Paving and Vault Lids**
Dept.: Treatment
Total Cap Projection: \$ 500,000
CY Budget \$ -

Project Description

Repaving inside the treatment plant grounds. Replacement of failing vault lids in various locations.

Year Built: Various
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:
Asset Condition Rating: Various

Justification

The WWTP paved areas are used for vehicle and equipment movement around the plant, pavement needs to be maintained to provide for safe and efficient movement around the WWTP. There are numerous vault lids in paved and unpaved areas that have broken hinges and therefore are unsafe to open and close to do inspections and operations work.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy: Corrective Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor				\$ 250,000		\$	\$ 250,000
Engineering						\$	-
Parts & Supplies				\$ 250,000		\$	\$ 250,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

11 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area WWTP
Asset Type: Landscaping
Avg Useful Life: 40 years
Est Residual Life: 0 years
% Consumed Life: 100%
Category: Capital Improvement
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Plant Landscaping**
Dept.: Treatment
Total Cap Projection: \$ 150,000
CY Budget \$ -

Project Description

The front entrance area to the Treatment Plant is not landscaped. The entrance to the WWTP could benefit from aesthetic improvements. CAWD gets many visitors who go on tours and it is desirable to provide a positive impression visually at the front of the WWTP. This would be accomplished by improving the landscaping at the front part of the plant where visitors enter.

Year Built: N/A
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 8

Justification

Show pride of ownership of the WWTP and increase the positive impression to visitors of the WWTP.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
Maintenance Strategy:
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor		\$	100,000			\$	100,000
Engineering						\$	-
Parts & Supplies		\$	50,000			\$	50,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000

12 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Digesters
Asset Type: Process Equip (Solid)
Avg Useful Life: Over 50 years
Est Residual Life: 25 years
% Consumed Life: 60%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: **Digester No. 1 - Rehabilitation**
Dept.: Treatment
Total Cap Projection: \$ 910,000
CY Budget \$ -

Project Description

Digester #1 is one of two digesters which serve the treatment plant. This tank is essential to providing digestion process redundancy. This digester needs maintenance/repairs to improve the condition of the steel cover and the concrete walls. Furthermore, the electrical and mechanical systems associated with the tank mixing process need to be upgraded with new equipment.

Year Built: 1972
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 7 Significant Deterioration

Justification

The Digester tanks are critical for stabilization of sludge before dewatering to meet Class B biosolids disposal regulations. CAWD has two functional primary digesters that are intended as redundant units so that one unit can be taken offline for maintenance without negative impacts to the sludge treatment process. The concrete walls and steel cover exhibit signs of deterioration and should be repaired to improve the condition. Also, the tank mixing equipment and associated electrical is past its useful life and needs to be replaced to keep this tank in reliable operating condition.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
Maintenance Strategy: Corrective Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor				\$ 250,000		\$	250,000
Engineering		\$	150,000	\$	100,000	\$	250,000
Parts & Supplies				\$	410,000	\$	410,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 150,000	\$ 760,000	\$ -	\$ -	\$ 910,000

13 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Blower Bldg.
Asset Type: Process Equip (Gas)
Avg Useful Life: 30 years
Est Residual Life: 10 years
% Consumed Life: 66%
Category: Maintenance
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **Replace Older Turblex Blower**
Dept.: Treatment
Total Cap Projection: \$ 530,000
CY Budget \$ -

Project Description

Continuous air supply is a critical component for aeration processes within wastewater treatment. A reliable low pressure blower system with full redundancy is essential to provide continuous operation of the critical aeration process. This project will include evaluating installation of a smaller blower, or replacement of the Lamson blower that was installed in the 1970's.

Year Built: 1972, 1992
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:
Asset Condition Rating: 5 Moderate Deterioration

Justification

Two blowers are required to meet equipment redundancy requirements for the aeration process. The new turblex blower was installed in 2017 and serves as the lead/duty blower. The old turblex blower installed in 1997 had previously served as the lead/duty blower reliably for 20 years prior to the new blower being installed in 2017. Improvement of reliability is being planned prior to the new blower reaching 10 years in operating service. If it is determined that energy savings could benefit the District during low flow periods, a smaller blower may be proposed.

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy: Preventative Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor					\$ 100,000	\$	100,000
Engineering						\$	-
Parts & Supplies					\$ 430,000	\$	430,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 530,000	\$ -	\$ 530,000

14 FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Treanor

Area Influent Building

Asset Type: Structure

Avg Useful Life: Over 50 years

Est Residual Life: 30 years

% Consumed Life: 40%

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: **Influent Pump Station Wet Well Repairs**

Dept.: Treatment

Total Cap Projection: \$ 300,000

CY Budget \$ -

Project Description

The influent wet well provides storage during pumping of plant influent to the Headworks. The wet well is subject to corrosive conditions which degrade concrete over time and if left unchecked the corrosion can extend into the rebar which is much more expensive to repair than the outer concrete layer.

Year Built: 1982

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension:

Asset Condition Rating: 5 Moderate Deterioration

Justification

The influent wet well is a critical component of the conveyance of the raw wastewater to the treatment system. Repairing the concrete (method will likely be coating) as a preventative maintenance activity avoids degradation of reinforcing steel which would be much more costly to repair and damaging to the structural integrity. This wet well was identified in the asset management risk evaluations as being a candidate for repairs in the near term due to Consequence of Failure and Probability of Failure.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor					\$ 100,000	\$ 100,000	\$ 100,000
Engineering					\$ 100,000	\$ 100,000	\$ 100,000
Parts & Supplies					\$ 100,000	\$ 100,000	\$ 100,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

15 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Misc. Structures
Asset Type: Structure
Avg Useful Life: 25 years
Est Residual Life: 5 years
% Consumed Life: 80%
Category: Capital Equipment
Urgency: 5 = Future
Carry Forward: No

Project Name: **Office Trailer Replacements**

Dept.: Treatment

Total Cap Projection: \$ 350,000

CY Budget \$ -

Project Description

Staff currently use four mobile trailers for office space at the WWTP. It is anticipated that in about 8 to 10 years these trailers will need to be replaced or undergo extensive repairs due to age.

Year Purchased: 1999, 2009, 2013, 2019

Note: the trailers were not purchased as "New"

Rehabilitation Date (Extending life of Asset): N/A

Rehab Life Extension: N/A

Asset Condition Rating: 5 Moderate Deterioration

Justification

About 7 staff members at the WWTP use office trailers as their daily workspace. These trailers are critical for these staff to do their work and so they need to be maintained or replaced. Conceptually, the intent is to use some type of prefabricated building that could be modular in nature (i.e. mobile home trailers, shipping container buildings, or other types of prefab buildings). CAWD would still need to do site work to prep the area for the new buildings (utilities, grading, stairs, etc.).

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor					\$ 100,000	\$ 100,000	\$ 100,000
Engineering					\$ 50,000	\$ 50,000	\$ 100,000
Parts & Supplies					\$ 150,000	\$ 150,000	\$ 150,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 300,000	\$ 350,000

16 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area Outfall
 Asset Type: Various
 Avg Useful Life: Various
 Est Residual Life: Various
 % Consumed Life: Various
 Category: Maintenance
 Urgency: 5 = Future
 Carry Forward: No

Project Name: **Lagoon Crossing Rehabilitation**
 Dept.: Treatment

Total Cap Projection: \$ -
 CY Budget \$ -

Project Description

Potential rehabilitation of Lagoon Crossing Structure to maintain condition. Project may include driving a new set of piles in the lagoon to maintain the existing structure.

Year Built: Various
 Rehabilitation Date (Extending life of Asset): 2019
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

The Outfall Pipeline and Calle La Cruz Forcemain are in acceptable condition. Rehabilitation may be needed in the future and may include driving new piles.

Risk Management Strategy

Capital Improvement Strategy:
 Maintenance Strategy: Preventative Maintenance
 Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	Total
Labor	\$ 200,000	\$ 200,000
Engineering	\$ 50,000	\$ 50,000
Parts & Supplies	\$ 250,000	\$ 250,000
Chemicals	\$ -	\$ -
Utility	\$ -	\$ -
Other	\$ -	\$ -
	\$ -	\$ -
Total	\$ 500,000	\$ 500,000

17 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area Outfall
 Asset Type: Structure
 Avg Useful Life: Over 50 years
 Est Residual Life: 20 years
 % Consumed Life: 60%
 Category: Maintenance
 Urgency: 5 = Future
 Carry Forward: No

Project Name: **Ocean Outfall Rehabilitation**
 Dept.: Treatment
 Total Cap Projection: \$ 1,000,000
 CY Budget \$ -

Project Description

The outfall pipeline in the ocean was installed in the 1970s and has experienced a break only one time - in 2007. That break in the pipeline cost \$647,504 to repair. The cause of the break remains unknown. Repair to the WWTP outfall in the event annual inspections reveal a defect or emergency repair as a result of storm damage. Actual timeframe will depend on ongoing inspections of the outfall. Underwater inspections this past year found no defects.

Year Built: 1970
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension:
 Asset Condition Rating: 2

Justification

The ocean outfall is a critical asset to the NPDES permit as the diffusion in the outfall is required by the permit to meet the initial dilution requirements. The design of the outfall appears to be very good in that it is bedded on the granite shelf and the ocean-facing side is concrete encased for protection.

Risk Management Strategy

Capital Improvement Strategy:
 Maintenance Strategy: Corrective Maintenance
 Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

		30-31	Total
Labor	\$	300,000	\$ 300,000
Engineering	\$	200,000	\$ 200,000
Parts & Supplies	\$	500,000	\$ 500,000
Chemicals	\$		-
Utility	\$		-
Other	\$		-
		\$	-
Total	\$	1,000,000	\$ 1,000,000

18 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area Various
 Asset Type: SCADA
 Avg Useful Life: 15 years
 Est Residual Life: 15 years
 % Consumed Life: 0%
 Category: Maintenance
 Urgency: 5 = Future
 Carry Forward: No

Project Name: **Next Generation PLC/SCADA Upgrades Phase 1**

Dept.: Treatment

Total Cap Projection: \$ 1,000,000

CY Budget \$ -

Project Description

Upgrades to PLC and SCADA equipment to keep up with obsolescence of technology. Most likely PLC equipment and SCADA software currently installed will be obsolete in 15 years with newer technology providing better service.

Year Built: 1972

Rehabilitation Date (Extending life of Asset): 2019

Rehab Life Extension: 25

Asset Condition Rating: 2

Justification

SCADA software and PLC equipment are critical to the monitoring and operation of the WWTP. These assets can fail and the availability of replacement parts is a driver for replacement as technology changes.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Predictive & Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	33-34	Total
Labor	\$ 350,000	\$ 350,000
Engineering	\$ 200,000	\$ 200,000
Parts & Supplies	\$ 450,000	\$ 450,000
Chemicals	\$ -	\$ -
Utility	\$ -	\$ -
Other	\$ -	\$ -
Total	\$ 1,000,000	\$ 1,000,000

19 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Misc. Structures
Asset Type: Various
Avg Useful Life: Various
Est Residual Life: N/A
% Consumed Life: N/A
Category: Capital Improvement
Urgency: 5 = Future
Carry Forward: No

Project Name: **Septage Waste Receiving Station**
Dept.: Treatment
Total Cap Projection: \$ 150,000
CY Budget \$ -

Project Description

Construction of a new Wet Waste/Septage receiving station to be located adjacent to the new Digester. Station would be able to receive up to 10,000gal/day (2 tankers of ~ 5,000 gal size) of material and would be injected directly into the Digester to avoid increasing the biological load on the aeration system.

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

Justification

Preliminary design of a septage receiving facility was conducted by Kennedy/Jenks Consultants and it was concluded that the construction of this facility would pay for itself in revenue in about 10 years. Staff feels that this service would be a good source of revenue and will benefit local septic haulers in that they wouldn't have to drive as far to dispose of the waste. Adding a septage receiving facility is not critical to the operation of the treatment plant or to improving reliability. The existing grease receiving station can be utilized for food waste but not for septage. This project can be re-evaluated every couple of years to see if there is merit or desire for CAWD to provide septage receiving.

Risk Management Strategy

Capital Improvement Strategy: N/A
Maintenance Strategy: N/A
Non Asset Strategy: N/A

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$	50,000	\$ 50,000
Engineering					\$	50,000	\$ 50,000
Parts & Supplies					\$	50,000	\$ 50,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000

20 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area WWTP
Asset Type: Various
Avg Useful Life: 50 years
Est Residual Life: Various
% Consumed Life: Various
Category: Capital Improvement
Urgency: 5 = Future
Carry Forward: No

Project Name: **Sea Level Rise Flood Mitigation**
Dept.: Treatment

Total Cap Projection: \$ -
CY Budget \$ -

Project Description

Some future work to mitigate impacts of climate change. CAWD completed a sea level rise study in 2018 that indicates that the treatment plant will be vulnerable to increased riverine flooding in future days resulting from climate change. The plant has been designed to operate during floods, however if the base flood elevation increases above the current level of protection then improvements would need to be made to mitigate higher flood levels.

Year Built: 1970s - 2010s

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

Justification

Increased riverine flood levels onsite in future extreme sea level rise scenarios could cause NPDES permit violations.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
Maintenance Strategy: Predictive & Preventative Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Unknown	Total
Labor	\$ -	-
Engineering	\$ -	-
Parts & Supplies	\$ -	-
Chemicals	\$ -	-
Utility	\$ -	-
Other	\$ -	-
	\$ -	-
Total	<u>Unknown</u>	<u>Unknown</u>

21 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Various
Asset Type: Pipe (Process Buried)
Avg Useful Life: Over 50 years
Est Residual Life: Various
% Consumed Life: Various
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: **Misc. Yard Piping Rehab and Maintenance Projects**
Dept.: Treatment

Total Cap Projection: \$ -
CY Budget \$ -

Project Description

After inspections of select buried piping segments that have a high consequence of failure, it may be found that the buried pipeline should be rehabilitated. An allowance is estimated for rehabilitation of buried piping in the WWTP.

Buried piping with a high consequence of failure and selected for possible rehabilitation include:

#1 Water Distribution Piping, #3 Water Distribution Piping, Natural Gas Piping, Influent Piping, Secondary Clarifier #1 Effluent Piping, Piping between the Headworks and Primary Clarifiers

Year Built: Various

Rehabilitation Date (Extending life of Asset): Various

Rehab Life Extension: 30

Asset Condition Rating: 5 Moderate Deterioration

Justification

Piping level of service to carry fluids, gas or chemicals without leaks or breaks. Leaks and breaks should be proactively mitigated to avoid spills to the environment.

Failure Modes Addressed:

1. Lack of proactive failure mitigation and condition assessment of buried piping.
2. The condition of buried piping is unknown however due to the prevalent corrosion that can occur in wastewater process piping it is likely that condition issues exist in some buried piping.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	30-31	31-32	32-33	33-34	Total
Labor	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$ 225,000
Engineering						\$ -
Parts & Supplies	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$ 225,000
Chemicals						\$ -
Utility						\$ -
Other						\$ -
Total	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 450,000

22 FY 2024-25 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Various
Asset Type: Various
Avg Useful Life: Various
Est Residual Life: Various
% Consumed Life: Various
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: **Influent/Headworks/Primary Rehab and Maintenance Projects**
Dept.: Treatment

Total Cap Projection: \$ -
CY Budget \$ -

Project Description

The Influent/Headwork/Primary provides removal provides influent conveyance of wastewater and removal of settleable solids. To maintain these facilities in good condition will require future investment in rehabilitation and maintenance activities. The exact work is not known at this time. The budget for this maintenance project work is a small percentage of the replacement cost of these assets as developed in the asset management work.

Year Built: Various
Rehabilitation Date (Extending life of Asset): Various
Rehab Life Extension: Various
Asset Condition Rating: Various

Justification

Exact project work is not known at this time. Investment in maintenance activities to address condition issues will keep existing infrastructure from degrading and requiring major replacement work.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
Maintenance Strategy: Predictive & Preventative Maintenance
Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	30-31	31-32	32-33	33-34	Total
Labor	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Engineering						\$ -
Parts & Supplies	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Chemicals						\$ -
Utility						\$ -
Other						\$ -
Total	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

23 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area: Various
 Asset Type: Various
 Avg Useful Life: Various
 Est Residual Life: Various
 % Consumed Life: Various
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **EQ/Blowers/Aeration/Secondary Rehab and Maintenance Projects (Partial Reclamation)**
 Dept.: Treatment

Total Cap Projection: \$ -
 CY Budget \$ -

Project Description

The Blowers/Aeration/Secondary processes provide removal of Biological Oxygen Demand and light settleable solids. To maintain these facilities in good condition will require future investment in rehabilitation and maintenance activities. The exact work is not known at this time. The budget for this maintenance project work is a small percentage of the replacement cost of these assets as developed in the asset management work.

Year Built: Various
 Rehabilitation Date (Extending life of Asset): Various
 Rehab Life Extension: Various
 Asset Condition Rating: Various

Justification

Exact project work is not known at this time. Investment in maintenance activities to address condition issues will keep existing infrastructure from degrading and requiring major replacement work.

Reclamation share of work will be dependent on whether portion of work is for the benefit of reclamation production. The Equalization (EQ) system and the nitrification optimization systems which are in this area are associated with Reclamation.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
 Maintenance Strategy: Predictive & Preventative Maintenance
 Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	30-31	31-32	32-33	33-34	Total
Labor	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 500,000
Engineering						\$ -
Parts & Supplies	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 500,000
Chemicals						\$ -
Utility						\$ -
Other						\$ -
Total	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000

24 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area: Various
 Asset Type: Various
 Avg Useful Life: Various
 Est Residual Life: Various
 % Consumed Life: Various
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Chlorination/Dechlorination/Effluent Rehab and Maintenance Projects (Partial Reclamation)**
 Dept.: Treatment

Total Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

Project Description

The Chlorination/Dechlorination/Effluent processes provide disinfection and chlorine residual prior to the Reclamation Microfilters and provide inactivation of viruses and bacteria removal prior to discharge to the environment or to the Reclamation Project. To maintain these facilities in good condition will require future investment in rehabilitation and maintenance activities. The exact work is not known at this time. The budget for this maintenance project work is a small percentage of the replacement cost of these assets as developed in the asset management work.

Year Built: Various
 Rehabilitation Date (Extending life of Asset): Various
 Rehab Life Extension: Various
 Asset Condition Rating: Various

Justification

Exact project work is not known at this time. Investment in maintenance activities to address condition issues will keep existing infrastructure from degrading and requiring major replacement work.

Reclamation share of work will be dependent on whether portion of work is for the benefit of reclamation production. The chlorination systems are interconnected between the Secondary Plant and Reclamation.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement
 Maintenance Strategy: Predictive & Preventative Maintenance
 Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	30-31	31-32	32-33	33-34	Total
Labor	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Engineering						\$ -
Parts & Supplies	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Chemicals						\$ -
Utility						\$ -
Other						\$ -
Total	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

25

FY 2024-25 Budget

Carmel Area Wastewater District

Contact: Treanor

Area Various

Asset Type: Various

Avg Useful Life: Various

Est Residual Life: Various

% Consumed Life: Various

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: **DAFT/Digestion/Dewatering Rehab and Maintenance Projects (Partial Reclamation)**

Dept.: Treatment

Total Cap Projection: \$ -

CY Budget \$ -

Project Description

The DAFT/Digestion/Dewatering systems provide treatment of sludge and waste streams and removal of solids from the treatment plant. To maintain these facilities in good condition will require future investment in rehabilitation and maintenance activities. The exact work is not known at this time. The budget for this maintenance project work is a small percentage of the replacement cost of these assets as developed in the asset management work.

Year Built: Various

Rehabilitation Date (Extending life of Asset): Various

Rehab Life Extension: Various

Asset Condition Rating: Various

Justification

Exact project work is not known at this time. Investment in maintenance activities to address condition issues will keep existing infrastructure from degrading and requiring major replacement work.

Reclamation share of work will be dependent on whether portion of work is for the benefit of reclamation production. The DAFT system is used by the Reclamation Project for treatment of MF Backwash and membrane cleaning waste.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy: Predictive & Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	29-30	30-31	31-32	32-33	33-34	Total
Labor	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Engineering						\$ -
Parts & Supplies	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
Chemicals						\$ -
Utility						\$ -
Other						\$ -
Total	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

26 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area WWTP
 Asset Type: N/A
 Avg Useful Life: N/A
 Est Residual Life: N/A
 % Consumed Life: N/A
 Category: Study
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Coastal Hazards Monitoring Plan**
 Dept.: Treatment
 Total Cap Projection: See O&M Budget
 CY Budget See O&M Budget

Project Description

Pending Coastal Commission Direction - The Coastal Hazards Monitoring Plan shall establish the framework and parameters for: 1) regularly monitoring flood and other coastal hazards at the Plant and management responses, 2) identifying how those hazards are impacting and affecting the operations of the Plant, 3) identifying changes necessary to allow continued appropriate and required functioning of the Plant, 4) identifying flood/hazard "triggers" to establish when actions need to be pursued in response to specific flood/hazard events, and 5) evaluating how area and regional projects regarding flood control projects proposed in the vicinity of the WWTP will impact the plant.

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

Justification

This work is being proposed by the California Coastal Commission as part of Coastal Development Permitting

Risk Management Strategy

Capital Improvement Strategy:
 Maintenance Strategy:
 Non Asset Strategy: Strategic Changes to Level of Service

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor						\$	-
Engineering		\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$ 375,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000

27 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Treanor
Area WWTP
Asset Type: N/A
Avg Useful Life: N/A
Est Residual Life: N/A
% Consumed Life: N/A
Category: Study
Urgency: 3 = Important
Carry Forward: No

Project Name: **Coastal Hazards Response Plan**
Dept.: Treatment
Total Cap Projection: See O&M Budget
CY Budget See O&M Budget

Project Description

Per Coastal Commission - A response plan shall build upon the sea level rise work already completed, and the coastal hazards monitoring. This study shall compare the costs and benefits of maintaining the WWTP in its current location vs relocating the treatment facilities and look at alternatives for relocation.

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

Justification

This work is being proposed by the California Coastal Commission as part of Coastal Development Permitting

Risk Management Strategy

Capital Improvement Strategy:
Maintenance Strategy:
Non Asset Strategy: Strategic Changes to Level of Service

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor						\$	-
Engineering	\$251,709	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 500,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 251,709	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

28 **FY 2024-25 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area WWTP
 Asset Type: N/A
 Avg Useful Life: N/A
 Est Residual Life: N/A
 % Consumed Life: N/A
 Category: Study
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Miscellaneous Technical Studies**
 Dept.: Treatment
 Total Cap Projection: See O&M Budget
 CY Budget See O&M Budget

Project Description

Technical studies as may be necessary to evaluate technical issues or opportunities at the WWTP.

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

Justification

Being prepared for opportunities or issue mitigations by advance study/review will allow CAWD to be proactive in management and operation of the WWTP.

Risk Management Strategy

Capital Improvement Strategy:
 Maintenance Strategy:
 Non Asset Strategy: Strategic Changes to Level of Service

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Estimated Cumulative Thru FY23-24	24-25	25-26	26-27	27-28	28-29	Total
Labor						\$	-
Engineering		\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$ 625,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000

1 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Foley
 Area: Effluent Bldg
 Asset Type: Process Equip (Liquid)
 Avg Useful Life: 30 years
 Est Residual Life: 1 year
 % Consumed Life: 100%
 Category: Capital Equipment
 Urgency: 1 = Critical

Project Name: Effluent Pump Impellers
 Dept: Treatment
 5 yr. Cap Projection: \$ 60,000
 CY Budget \$ 60,000
 GL Account:

Asset Description

The two Fairbanks Morse Effluent pumps are 75HP dryside pumps with vertical driveshaft that extends from the drywell to the second story electrical room. The pumps have been in service since 1982. A 3rd smaller jockey pump was added to pump during normal dry weather flows. The larger 75HP pumps are typically only used during higher flows during the winter. This purchase includes, impellers, bearings, wear plates, shaft rehab and minor rebuild parts.

Year Built: 1982
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension: 30 years

Justification

The two 75HP effluent pumps are in overall good condition and parts are still available. The impellers, impeller shaft and packing gland seal are showing signs of wear and are due for a rebuild. This rebuild will extend the life of the pumps another 25-30 years. The electrical components including the VFDs and electric motors have already been replaced. Reliability of the wear components is critical for these pumps since they pump the effluent flow to the outfall.

Asset Risk Management Strategy

Capital Improvement Risk
 Maintenance Risk Management Corrective Maintenance
 Non Asset Risk Management

Funding Source

Primary Secondary

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies	\$ 60,000					\$	60,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000

2 **FY 2024-25 Budget**
Carmel Area Wastewater District

Project Name: Two Plant O&M Utility Carts
 Dept: Treatment
 5 yr. Cap Projection: \$ 48,000
 CY Budget \$ 48,000
 GL Account:

Contact: Foley
 Area: Vehicle
 Asset Type: Vehicle Fleet
 Avg Useful Life: 20 years
 Est Residual Life: 1 year
 % Consumed Life: 100%
 Category: Capital Equipment
 Urgency: 3 = Important

Asset Description

Purchase of two (2) O&M utility carts for use at the treatment plant site. Carts transport tools, materials, and equipment at the plant. Carts are used daily to facilitate work around the plant.

Year Built: 1992
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension:

Justification

Existing carts to be replaced are worn out and continually have maintenance issues. New and improved carts will be more reliable and allow staff to complete their work without having to move tools and equipment from carts when they break down. Less time will be spent by maintenance staff on repairs of carts. Parts to repair the carts are difficult to find due to their age.

Asset Risk Management Strategy

Capital Improvement Risk
 Maintenance Risk Management Corrective Maintenance
 Non Asset Risk Management Take Asset out of Service

Funding Source

Primary Secondary

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other	\$ 48,000					\$	48,000
Total	\$ 48,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,000

3 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Waggoner
Area Secondary Clarifiers

Project Name: Slide Gates for Secondary Clarifier D-Box
Dept: Treatment
5 yr. Cap Projection: \$ 30,000
CY Budget \$ 30,000
GL Account:

Asset Type: Valve Gate
Avg Useful Life: 20 years
Est Residual Life: 5 years
% Consumed Life: 60%
Category: Capital Equipment
Urgency: 4 = Less Important

Asset Description

There are two slide gates upstream of the two Secondary Clarifiers. These slide gates control flow from the Aeration Basins into each Secondary Clarifier.

Year Built: 1997
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension:

Justification

The existing gates leak making it difficult to isolate either clarifier for maintenance.

Asset Risk Management Strategy

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

Funding Source

	Primary	CAWD 100%	Secondary	Capital Budget					
Budget Impact/Other		24-25	25-26	26-27	27-28	28-29	Unscheduled	Total	
Labor								\$	-
Engineering								\$	-
Parts & Supplies		\$ 30,000						\$	30,000
Chemicals								\$	-
Utility								\$	-
Other								\$	-
Total		\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

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

Contact: Foley
Area: Ops Bldg
Asset Type: Computer/Network
Avg Useful Life: 5 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 2 = Very Important

Project Name: SCADA Data Server Upgrade
Dept: Treatment
5 yr. Cap Projection: \$ 25,000
CY Budget \$ 25,000
GL Account:

Asset Description

Replacement of existing database server for storing SCADA data. Computer hardware average useful life is about 5 years.

Year Built: 2018
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:

Justification

Existing data server is about 6 years old and is running out of space to store historical SCADA data.

Asset Risk Management Strategy

Capital Improvement Risk
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management

Funding Source

Primary CAWD Secondary

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other	\$ 25,000					\$	25,000
Total	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000

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

Project Name: Truck- Unit 9
Dept: Treatment
5 yr. Cap Projection: \$ 70,000
CY Budget \$ -
GL Account:

Contact: Foley
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 12 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 3 = Important

Asset Description

A new full size SUV to replace an existing full size truck. The new SUV will be used in the treatment plant for operations and maintenance and also for staff travel to trainings.

Year Built: 2004
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:

Justification

Replacement of treatment plant truck with new truck. Unit 9 is 20 years old with 60,000 miles and past its useful life. Fleet replacement score is 36. Score between 23 to 27 qualifies for replacement. Planned replacement is important so that vehicles are reliable and safe.

Asset Risk Management Strategy

Capital Improvement Risk
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary CAWD Secondary

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other		\$ 70,000				\$	70,000
Total	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000

6 **FY 2024-25 Budget**
Carmel Area Wastewater District

Project Name: Truck- Unit 16
Dept: Treatment
5 yr. Cap Projection: \$ 75,000
CY Budget \$ -
GL Account:

Contact: Foley
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 12 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 3 = Important

Asset Description

Replacement of treatment plant truck unit 16 with a new truck. Truck will be used in the treatment plant for operations and maintenance and also for staff travel to trainings. Truck will be used for moving trailers, parts and equipment in the plant.

Year Built: 2007
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:

Justification

Replacement of treatment plant truck with new truck. Unit 16 is 17 years old with 55,000 miles and past its useful life. Fleet replacement score is 32. Score between 23 to 27 qualifies for replacement. Planned replacement is important so that vehicles are reliable and safe.

Asset Risk Management Strategy

Capital Improvement Risk
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Budget Impact/Other

	Primary	CAWD	Secondary				Unscheduled	Total
		24-25	25-26	26-27	27-28	28-29		
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other			\$ 75,000				\$	75,000
Total		\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

7 **FY 2024-25 Budget**
Carmel Area Wastewater District

Project Name: Electric Yard Mule
Dept: Treatment
5 yr. Cap Projection: \$ 200,000
CY Budget \$ -
GL Account:

Contact: Foley
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 20 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 3 = Important

Asset Description

The yard mule moves the dewatered solids trail on the treatment plant site.

Year Built: 1995
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:

Justification

The existing yard mule is in need of repairs. The new California Air Resources Board Advanced Clean Fleet Regulation is mandating large fleet vehicles (over 8,500 lb GVWR) be converted to zero emission vehicles starting in 2025. In order to be in compliance with this regulation CAWD will need to start replacing vehicles where possible with all electric. The yard mule is one of the larger vehicles that currently has all electric options available in the market.

Asset Risk Management Strategy

Capital Improvement Risk
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Budget Impact/Other	Primary					Secondary		Total
	24-25	25-26	26-27	27-28	28-29	Unscheduled		
Labor							\$ -	
Engineering							\$ -	
Parts & Supplies							\$ -	
Chemicals							\$ -	
Utility							\$ -	
Other		\$ 200,000					\$ 200,000	
Total	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000	

8 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Waggoner

Area DeWatering Bldg

Asset Type: Process Equip (Chemical)

Avg Useful Life: 10 years

Est Residual Life: 5 years

% Consumed Life: 50%

Category: Capital Equipment

Urgency: 5 = Future

Project Name: Dewatering Building Poly Blend unit M60-P1AA (Unit 1)

Dept: Treatment

5 yr. Cap Projection: \$ 28,000

CY Budget \$ -

GL Account:

Asset Description

Polymer mixing and injection unit that mixes and adds a coagulant to the flow stream of anaerobic digested sludge prior to the dewatering devices. Either the Screwpress or the Beltpress to enhance liquid separation.

Year Built: 2016

Rehabilitation Date (Extending life of Asset): N/A

Rehab Life Extension: 5 years

Justification

The equipment's age is such that the vendor may no longer support or sell/stock replacement parts for the UGSI Polyblend unit in the future. This model was purchased in the Phase 1 project staff continues to update all polymer mixing systems to be the same, to limit the amount of spare parts in inventory.

Asset Risk Management Strategy

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

Funding Source

Primary CAWD 100% Secondary Capital Budget

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor			\$ 2,000				\$ 2,000
Engineering							\$ -
Parts & Supplies			\$ 24,000				\$ 24,000
Chemicals							\$ -
Utility							\$ -
Other			\$ 2,000				\$ 2,000
Total	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ -	\$ 28,000

9 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Waggoner

Area DeWatering Bldg

Asset Type: Process Equip (Chemical)

Avg Useful Life: 10 years

Est Residual Life: 5 years

% Consumed Life: 50%

Category: Capital Equipment

Urgency: 5 = Future

Project Name: Dewatering Building Poly Blend unit M60-P1AA (Unit 2)

Dept: Treatment

5 yr. Cap Projection: \$ 28,000

CY Budget \$ -

GL Account:

Asset Description

Polymer mixing and injection unit that mixes and adds a coagulant to the flow stream of anaerobic digested sludge prior to the dewatering devices. Either the Screwpress or the Beltpress to enhance liquid separation.

Year Built: 2016

Rehabilitation Date (Extending life of Asset): N/A

Rehab Life Extension: 5 years

Justification

The equipment's age is such that the vendor may no longer support or sell/stock replacement parts for the UGSI Polyblend unit in the future. This model was purchased in the Phase 1 project staff continues to update all polymer mixing systems to be the same, to limit the amount of spare parts in inventory.

Asset Risk Management Strategy

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

Funding Source

Primary CAWD 100% Secondary Capital Budget

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor				\$ 2,000		\$	2,000
Engineering						\$	-
Parts & Supplies				\$ 24,000		\$	24,000
Chemicals						\$	-
Utility						\$	-
Other				\$ 2,000		\$	2,000
Total	\$ -	\$ -	\$ -	\$ 28,000	\$ -	\$ -	\$ 28,000

10 **FY 2024-25 Budget**
Carmel Area Wastewater District

Contact: Foley
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 12 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 3 = Important

Project Name: Lab Van-Unit 20
Dept: Treatment
5 yr. Cap Projection: \$ 55,000
CY Budget \$ -
GL Account:

Asset Description

Lab vehicle transports samples to third party lab and is used in source control inspections.

Year Built: 2013
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:

Justification

Vehicle was purchased in 2012, current milage 19,992. Average milage per year over the last eleven years is 1,817 miles.

Asset Risk Management Strategy

Capital Improvement Risk
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Secondary

Budget Impact/Other

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$55,000	\$ 55,000
Total	\$	-	\$	-	\$	-	\$ 55,000

11 **FY 2024-25 Budget**
 Carmel Area Wastewater District

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

Project Name: Laboratory Dishwashers (2) (75% CAWD/25% Reclamation)
 Dept: Treatment
 5 yr. Cap Projection: \$ 26,000
 CY Budget \$ -
 GL Account:

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

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 design laboratory glassware and equipment.

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

	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor						\$ 2,000	\$ 2,000
Engineering						\$	-
Parts & Supplies						\$ 24,000	\$ 24,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,000	\$ 26,000

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

Contact: Barringer
Area Administration

Project Name: Document Management Software
Dept.: Administration
5 yr. Cap Projection: \$ 60,000.00
CY Budget \$ 20,000.00
GL Account:

Asset Type: N/A
Avg Useful Life: N/A
Est Residual Life: N/A
% Consumed Life: N/A
Category: Admin
Urgency: 3 = Important
Carry Forward: No

Asset Description

Document Management Software/Record Retention & Destruction- Paperless Solution (SaaS-Software As Service)

This is an enterprise content management software that will provide process automation, take manual processes and streamline them into categorized hierarchy. It will digitizing the District records (e.g., Board Documents, Accounting, Capital Projects, etc.) and will move the organization from paper records into digital records that will provide more transparency, searchability through Optical Character Recognition (OCR), and integrated artificial intelligence usage.

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

Justification

The District will be able to more effectively manage compliance of the retention/destruction of records based on the policy. The records will be more easily accessed due to increased search capabilities and provide more visibility and control over the District records. It will minimize data loss, improper access/destruction of files, how records are handled and by whom. This type of platform is built for scalability and can provide digital workflows.

Asset Risk Management Strategy

Capital Improvement Risk:
Maintenance Risk Management:
Non Asset Risk Management:

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor	\$	20,000	\$ 20,000	\$ 20,000				\$ 60,000
Engineering								\$ -
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total	\$	20,000	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ 60,000

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

Contact: Barringer
Area Administration

Asset Type: N/A
Avg Useful Life: N/A
Est Residual Life: N/A
% Consumed Life: N/A
Category: Admin
Urgency: 3 = Important
Carry Forward: No

Project Name: Multipurpose Midsize Truck
Dept.: Administration
5 yr. Cap Projection: \$ 42,000.00
CY Budget \$ 42,000.00
GL Account:

Asset Description

Midsize pickup truck for multiple uses including: Employee travel between Treatment Plant and Admin Office, Collection system project site visits, Travel to offsite meetings/conferences, small maintenance trips, supplies pickups, etc.

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

Justification

The number of vehicles that the District currently has is an issue when any one truck is at the shop for maintenance. This vehicle would provide an extra vehicle that is needed to serve staff's ongoing transportation needs.

Asset Risk Management Strategy

Capital Improvement Risk: N/A
Maintenance Risk Management: N/A
Non Asset Risk Management: N/A

Funding Source

Primary	Capital Reserves	Secondary							
Budget Impact/Other		Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
	Labor							\$	-
	Engineering							\$	-
	Parts & Supplies	\$	42,000					\$	42,000
	Chemicals							\$	-
	Utility							\$	-
	Other							\$	-
	Total	\$	42,000	\$	-	\$	-	\$	-
									42,000

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

Contact: Treanor
 Area Administration

Asset Type: N/A
 Avg Useful Life: 20 years
 Est Residual Life: 0 yrs
 % Consumed Life: 100%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: Replace Administrative Office Carpeting
 Dept.: Administration
 5 yr. Cap Projection:
 CY Budget \$ -
 GL Account:

Asset Description

It is anticipated that the Administration office building carpeting, which has never been replaced, will need to be replaced within the next 5 years. 500 square yards at \$45/yard. To prolong the carpet life, staff proposes to include a maintenance item to professional clean the carpets each year.

Year Built: 1990
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

The carpets were cleaned in 2021 and were successful in removing large stains; however, the high traffic areas remain badly worn and soiled. Given the age of the carpet it is not surprising that it is showing its age. We tiled the entry way and hallway roughly 5 years ago because of the condition of the carpet. The general recommendation for the life of commercial carpeting is a 10 year lifespan.

Asset Risk Management Strategy

Capital Improvement Risk:
 Maintenance Risk Management: Predictive & Preventative Maintenance
 Non Asset Risk Management:

Funding Source

Primary	Capital Reserves	Secondary							
Budget Impact/Other									
	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total	
Labor							\$	-	
Engineering							\$	-	
Parts & Supplies							\$	-	
Chemicals							\$	-	
Utility							\$	-	
Other							\$ 27,000	\$ 27,000	
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,000	\$ 27,000	

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

Contact: Treanor
Area Administration

Asset Type: N/A
Avg Useful Life: 10 years
Est Residual Life: 0 yrs
% Consumed Life: 100%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: Interior Painting
Dept.: Administration
5 yr. Cap Projection: \$ -
CY Budget \$ -
GL Account:

Asset Description

The District has not had the interior building walls painted since 1990. There has been some "touch up" work over the years, but we have reached the point where there are repairs that need to be done (i.e. cracks, separation at corners, chipping, etc.) and then the entire office repainted. Base boards in the main hallway were painted in 2016 as part of the floor tile project. We would like to keep the "teal" wallpaper in entry and boardroom intact.

Year Built: 1990
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

Normal wear and tear on the building over the past 30 years - it is generally recommended in trade to repaint interior every 5-7 years.

Asset Risk Management Strategy

Capital Improvement Risk:
Maintenance Risk Management: Predictive & Preventative Maintenance
Non Asset Risk Management:

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							\$ 25,000	\$ 25,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000

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

Contact: Treanor
 Area Administration

Asset Type: N/A
 Avg Useful Life: 10 years
 Est Residual Life: 0 yrs
 % Consumed Life: 100%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: Replace Administrative Office Furnace
 Dept.: Treatment
 5 yr. Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

Asset Description

It is anticipated that the Administrative Office building furnaces will need to be replaced at some future date. There are a total of three furnaces in the building. We have had intermittent repairs to the system and replaced two units as they failed - last in 2009. We continue to annually change the filters.

Year Built: N/A
 Rehabilitation Date (Extending life of Asset): 1990
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

Because the furnaces are relatively easy to repair/replace we will continue to handle these on a run-to-fail basis.

Asset Risk Management Strategy

Capital Improvement Risk:
 Maintenance Risk Management: Predictive & Preventative Maintenance
 Non Asset Risk Management:

Funding Source

Primary	Operating Reserves		Secondary					Unscheduled	Total
	Prior Yr.	24-25	25-26	26-27	27-28	28-29			
Budget Impact/Other									
	Labor							\$	-
	Engineering							\$	-
	Parts & Supplies							\$	-
	Chemicals							\$	-
	Utility							\$	-
	Other						\$	6,500	\$ 6,500
	Total		\$	-	\$	-	\$	-	\$ 6,500

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

Contact: Treanor
Area Administration

Asset Type: N/A
Avg Useful Life: 30 years
Est Residual Life: 0 yrs
% Consumed Life: 100%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: Admin Roof
Dept.: Administration
5 yr. Cap Projection: \$ -
CY Budget \$ -
GL Account:

Asset Description

The roof at the Admin offices is composite shingle. The average lifespan of asphalt shingles ranges from 20 to 40 years.

Year Built: 1990
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

The roof will be 32 years old in 2022. We will continue to monitor its condition but estimate that it may still have some life remaining. At this time the plan is to replace with like roofing.

Asset Risk Management Strategy

Capital Improvement Risk:
Maintenance Risk Management: Predictive & Preventative Maintenance
Non Asset Risk Management:

Funding Source

Primary	Capital Reserves	Secondary								
Budget Impact/Other										
	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total		
Labor								\$	-	
Engineering								\$	-	
Parts & Supplies								\$	-	
Chemicals								\$	-	
Utility								\$	-	
Other							\$ 70,000	\$	70,000	
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$	70,000	

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

Contact: Treanor
Area Administration

Asset Type: N/A
Avg Useful Life: 50 years
Est Residual Life:
% Consumed Life:
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: Front Porch Settling - repair
Dept.: Administration
5 yr. Cap Projection: \$ -
CY Budget \$ -
GL Account:

Asset Description

The concrete front porch to the Admin Building has settled approximately 1-2 inches since it was initially poured in 1990. Settlement is likely due to improper/non-existent footings/foundations under the porch.

Year Built: 1990
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

The options to solve this problem include: (1) Rip out and build new, (2) Dig underneath and jack it up a bit above where it belongs, pour a new footer below, and then set it back down, and (3) Leave it as is and build something new over the top of it that makes it "disappear". Mudjacking, also referred to as slabjacking, concrete raising or pressure grouting, is the process of raising concrete slabs by hydraulically pumping a grout mixture mixed with cement under the concrete slab. The procedure may provide a solution to the settling experienced on the building front porch. The District will invite contractors experienced in these techniques to the site for analysis of which method will provide the best results.

Asset Risk Management Strategy

Capital Improvement Risk:
Maintenance Risk Management: Predictive & Preventative Maintenance
Non Asset Risk Management:

Funding Source

Primary	Capital Reserves	Secondary						Unscheduled	Total
Budget Impact/Other		Prior Yr.	24-25	25-26	26-27	27-28	28-29		
	Labor							\$	-
	Engineering							\$	-
	Parts & Supplies							\$	-
	Chemicals							\$	-
	Utility							\$	-
	Other							\$ 35,000	\$ 35,000
	Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000

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

Contact: Treanor
Area Administration

Asset Type: N/A
Avg Useful Life: 10 years
Est Residual Life: 0 years
% Consumed Life: 100%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: Update bathrooms - new tile & paint
Dept.: Administration
5 yr. Cap Projection: \$ -
CY Budget \$ -
GL Account:

Asset Description

The bathrooms in the Admin Offices were tiled and painted in 1990 when the building was completed. After 30 years it is time to update the paint and tile.

Year Built: 1990
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

Bathroom appear dated - when interior walls are painted, restrooms should also be done. Tile should extend up walls for splash purposes.

Asset Risk Management Strategy

Capital Improvement Risk:
Maintenance Risk Management: Predictive & Preventative Maintenance
Non Asset Risk Management:

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							\$ 25,000	\$ 25,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000

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

Contact: Foley
Area Administration

Project Name: Server Replacement
Dept.: Administration
5 yr. Cap Projection: \$ 16,000.00
CY Budget \$ 16,000.00
GL Account:

Asset Type: N/A
Avg Useful Life: 5 years
Est Residual Life: 1 year
% Consumed Life: 80%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Asset Description

The Dell Optiplex server located in Admin was installed in 2017. It functions as the email server and data server for Admin offices.

Year Built: N/A
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

This server was replaced in 2017. We replace servers on a rotating five year basis to ensure reliability and ability to keep up with technology. The older servers become, the less value they produce on the efficiency level. Stretching out the lifespan would mean an increase in business risk as we rely on hardware that is unsupported or that cannot be fixed in a timely manner. There is also a greater chance of losing sensitive data or that the Admin Office ends up offline for an extended period. Because Admin employees spend at least 6 hrs/day on a computer reliability is critical.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	24-25	25-26	26-27	27-28	28-29	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other	\$	16,000					\$	16,000
Total		\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000

b FY 2023-24 Budget
Carmel Area Wastewater District

Contact: Buikema
 Area Administration

Project Name: Admin Copy Machine/Scanner/Fax
 Dept.: Administration
 5 yr. Cap Projection: \$ 10,500.00
 CY Budget \$ -
 GL Account:

Asset Type: N/A
 Avg Useful Life: 10 years
 Est Residual Life: 5 years
 % Consumed Life: 50%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

The current machine was purchased in 2019 for \$7,865. The technician, and our own experience, advises that the typical lifespan is 5-7 years. Budget assumes a 4% increase per year from 2019. The cost includes a pedestal and additional paper drawers to accommodate regular, legal, and ledger size paper.

Year Built: N/A
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 3 Minor defects only

Justification

The Admin copy machine receives considerable use every working day and is a critical piece of office equipment. While technology will certainly continue to change, based on current average usage we are planning for its replacement with an equivalent machine. This machine carries the largest load of copy and print volume for the District and is the conduit between copy/scan/fax/email of documents in Admin and the rest of the plant. The usage on this machine is heavy due to printing of board packets and other project material. Staff must have the ability to print/scn/fax from the Admin Office to ensure continued work flow without interruption.

Asset Risk Management Strategy

Capital Improvement Risk:
 Maintenance Risk Management: Predictive & Preventative Maintenance
 Non Asset Risk Management:

Funding Source

Budget Impact/Other	Primary	Capital Reserves	Secondary					Unscheduled	Total
			Prior Yr.	24-25	25-26	26-27	27-28		
Labor									\$ -
Engineering									\$ -
Parts & Supplies									\$ -
Chemicals									\$ -
Utility									\$ -
Other						\$ 10,500			\$ 10,500
Total			\$ -	\$ -	\$ -	\$ 10,500	\$ -	\$ -	\$ 10,500