



CAWD Preliminary Budget 2020-21

Prepared and Submitted

By

The Budget Committee

March 26, 2020

Greg D'Ambrosio, Member
Robert Siegfried, Member
Barbara Buikema, General Manager
Chris Foley, Maintenance Superintendent

Carmel Area Wastewater District

2020-21

Board of Directors

Ken White
Gregory D'Ambrosio
Michael Rachel
Robert Siegfried
Charlotte F. Townsend

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

Management Staff

Barbara Buikema
Robert Wellington
Ed Waggoner
Daryl Lauer
Rachel Lather
Patrick Treanor
James Grover
Chris Foley

General Manager
Legal Counsel
Operations Superintendent
Collection System Superintendent
Principal Engineer
Plant Engineer
Principal Accountant
Maintenance Superintendent

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 2020-21

Table of Contents

	Page
Budget Message	<i>i - viii</i>
Introduction	
Budget in Brief	1
Budget Development Process	11
Operating Budget	
Budget Summary	17
Revenues	19
Non-Operating Expenses	20
Operating Budget	
<i>Consolidated Operating Expenses - Summary</i>	21
<i>Consolidated Departmental Expenses - Detail</i>	23
<i>Maintenance - Field</i>	31
<i>Maintenance - Plant</i>	33
<i>Collections</i>	41
<i>Treatment & Disposal.</i>	47
<i>Administration</i>	55
<i>Reclamation</i>	61
<i>Waste to Energy</i>	62
<i>Brine Disposal</i>	63
Capital & Maintenance Budget	
<i>Capital Budget Summary 2020-21</i>	64
<i>Capital Budget Summary 2021-22</i>	65
<i>Maintenance - Equipment</i>	66
<i>Collections - Capital Purchases</i>	68
<i>Collections - CIP</i>	75
<i>Treatment & Disposal. - Capital Purchases</i>	101
<i>Treatment & Disposal. - CIP</i>	109
<i>Treatment & Disposal - Long Term Capital Plan</i>	114
<i>Administration</i>	152
<i>Reclamation</i>	162
Budget Maps	163
Appendices	
<i>Technical Terms</i>	164

Budget in Brief

Budget Development Process

BUDGET DEVELOPMENT: Balanced Budget, Basis of Budgeting, Accounting, Development & Administration

The Board approves and adopts a balanced budget prior to the start of the fiscal year beginning July 1. The Board, General Manager, and Agency staff each has their respective Agency, departmental, and programmatic responsibilities to develop a financially responsible budget each fiscal year. Budget development is guided by financial policies and procedures, the strategic business plan, long and short term organizational goals and objectives, the economic climate, and other external factors.

The budget reflects the costs necessary to provide customers with safe and reliable wastewater service for the budget year and the long term and endeavors to keep rate increases low and yet provide for the District's long-term sustainability. The budget allocates resources, is utilized to develop rates and charges that provide adequate revenues to meet its needs, and encourages efficiency at every level.

Allocation of resources and strategic decision making does not end once the budget is adopted. Throughout the year each department is responsible for implementing the budget and monitoring performance, responding to unforeseen circumstances, and participating in long-range planning.

Fund Structure: The District is a single enterprise fund agency. This is an accounting system that emphasizes accountability rather than profitability. Enterprise funds provide goods or services to the general public for a fee or user charge, similar to the operation of a commercial enterprise.

Balanced Budget: The Budget is balanced when revenues equal expenditures. When revenues exceed expenditures, surplus funds are transferred into designated reserves in accordance with the District's Reserve Policy. The District's rates and charges are set to ensure that revenues are sufficient to recover the total cash needs in a given fiscal year and meet long-term capital needs.

Cash Basis of Budgeting: The District's annual budget is based on the cash method of accounting. Non-Cash depreciation and amortization expenses are included as line items at the request of the District's financial auditor. The District does not budget for depreciation. Revenues are budgeted according to what is expected to be collected during the budget year, and expenditures are budgeted according to what is expected to be spent during the fiscal year. The cash basis recognizes revenue when cash is received and recognizes expenses when cash is spent.

Accrual Basis of Accounting: The District is an enterprise fund and accounts for all its financial activity utilizing the accrual method of accounting in accordance with all applicable Government Accounting Standards Board (GASB) pronouncements for accounting, and recognizes revenues, expenses, assets, and liabilities in the proper fiscal year. The accrual method recognizes transactions and events when they occur, regardless of when cash is received or spent. One of the primary differences between the cash basis of budgeting and the accrual basis of accounting is the accrual method matches revenues to expenses which gives a more accurate picture of the District's financial condition.

Budget Appropriation: The District Budget covers all expenditures for any given fiscal year. During the year, the budget can be increased through a budget amendment resolution, approved by a majority of the Board of Directors. There is no legal restriction on the amount or frequency that the budget can be amended. Only the Board of Directors can increase the total allowable operating and capital appropriations. The General Manager is authorized to hire regular employees up to the number approved by the Board of Directors, in accordance with the “Designation of Classification Titles” authorized annually.

Development, Adoption, and Administration: The annual budget development begins with an analysis of the current year budget compared to projected annual expenditures and long-term capital improvement program funding, and serves as the baseline for the upcoming year’s budget. Unanticipated expenses are identified, and revenue and expenditure patterns are analyzed. During the course of budget development each department is responsible for developing their individual budgets for the year and for developing a long term capital plan with coordination from the Principal Engineer.

This work forms the basis for the “1st Draft” that is used as the basis for discussion with the Budget Committee (two Board members are selected annually). The General Manager and Budget Committee meet to review options to balance the budget and reach the District’s strategic goals. Concurrently with the Budget Committee, there is a standing Salary/Benefits Committee that meets to discuss the employee negotiations and other personnel related expenditures. Both of these Board Committees work together to prepare and finalize a Preliminary Budget that is presented to the full Board in March of each year.

The Preliminary Budget forms the basis for the rate model that is publicly noticed under Proposition 218 rules to every parcel holder of record in the District. At the Preliminary Budget meeting stakeholders are encouraged to provide input on the budget for consideration. Any direction provided by the Board in March is incorporated into the final proposed budget. If necessary, the Budget Committee will meet again prior to the completion of the final budget which is presented at the June meeting in a publicly noticed meeting to consider its adoption. Once adopted, the budget serves as the revenue collection and spending plan for the fiscal period.

On a monthly basis, during the fiscal year, staff prepares a detailed budget performance report and brief revenue and expenditure analysis. These monthly reports are available for public review and are available on the District web site at <http://www.cawd.org/board-of-directors.html>.

Budget Responsibilities

Budget decisions are made through a process that involves the Board of Directors, District staff, and the public. The responsibilities for financial management planning and budget control are as follows:

Board of Directors

- Establish both short and long-term financial goals for the District.
- Develop strategic guideline/policies to guide staff in the development of the operating and long term capital budget priorities.
- Ensure sound budgeting policies are in place.
- Ensure the adequacy of District resources. Review proposed cash flow projections.
- Approve user fees and charges.
- Participate, as appropriate, in budget committees.
- Monitor and provide budget oversight throughout the fiscal year.

General Manager

- Review and present to the Board of Directors long range plans, budgets and revisions, schedules of rates and charges, and other financial transactions, as necessary.
- Authorize budget transfers of up to 5% of the fiscal years' budget between the operating and capital budget, provided that the total budget remains unchanged.
- Support the development of the Strategic Plan that included projections of short range and long range financial needs, and recommend methods for meeting those needs.
- Develop procedures and controls to monitor and assure compliance with the budget.
- Assist departments throughout the year with their budgets and financial issues.
- Authorize the allocation of budgeted funds from contingency.
- Implement emergency financial procedures within approved limits, when necessary.

Departmental Responsibilities

- Prepare departmental O&M budget requests.
- Prepare current year Capital Improvement Program requests in conjunction with Principal Engineer.
- Prepare and/or update long term capital requests. The District is committed to a 15-year planning horizon for its capital program.
- Monitor financial performance and take prompt corrective action, as needed.
- Monitor key performance indicator and take corrective action, as appropriate.
- Promptly inform the General Manager when unforeseen circumstances indicate that budget amounts may be exceeded or that expected revenues may be less than planned.

Principal Engineer

- Work with Collections, Maintenance, and Operations Superintendents to review, monitor, and clarify capital budget requests.
- Prepare and/or update long term capital plan for all departments.
- Maintain the District's commitment to a 15-year planning horizon for its capital program.
- Monitor all capital projects under Engineering purview

- Promptly inform the General Manager when unforeseen circumstances indicate that budget amounts may be exceeded or that capital/operation planning was incorrect for projects under Engineering purview.

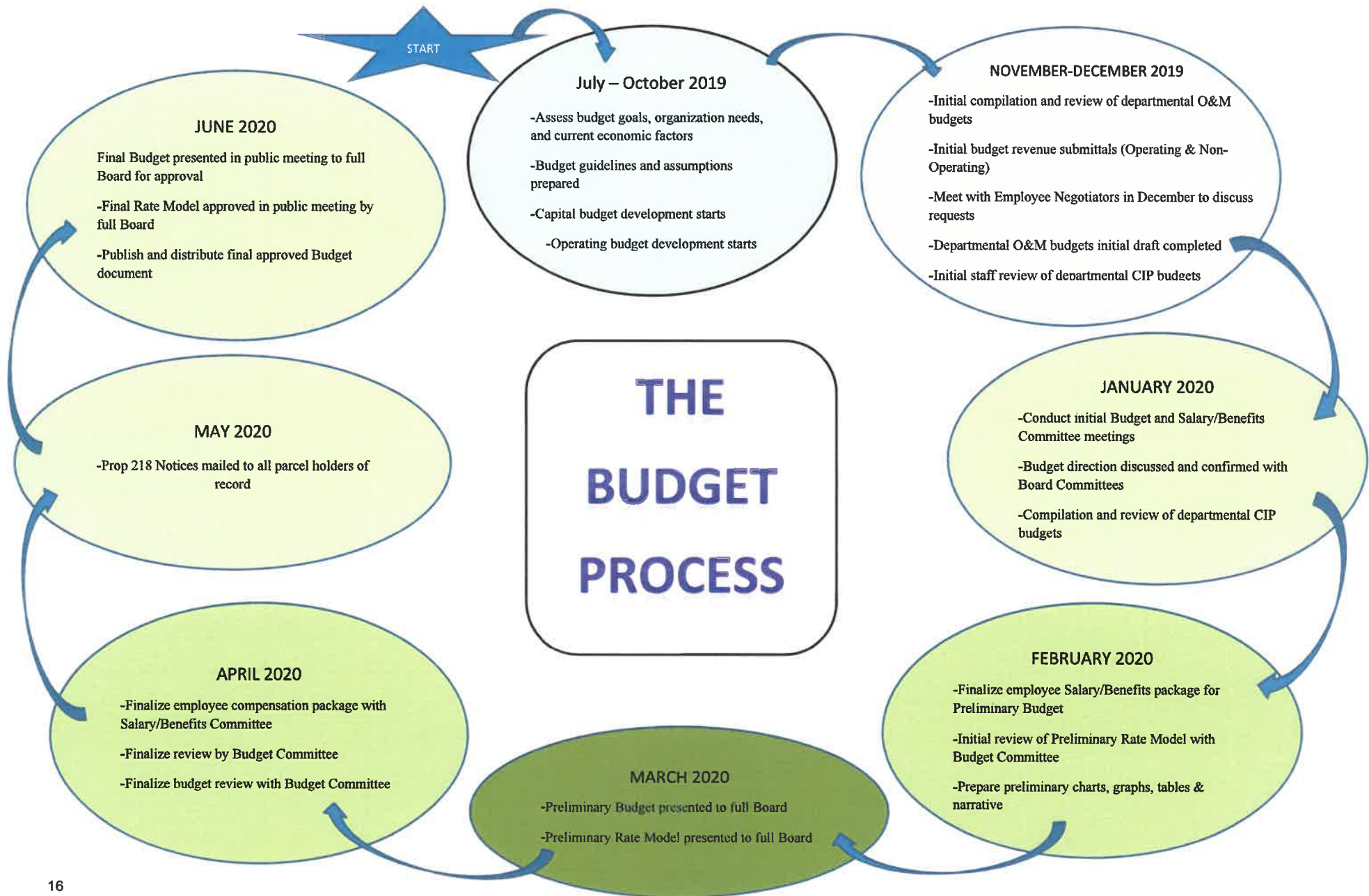
Principal Accountant

- Prepare financial projections, schedule of rates and charges, and other financial materials.
- Produce monthly expenditure and revenue reports.
- Prepare periodic reports on the status of expenditures, revenues, investments and actions taken to ensure the financial stability of the District
- Prepare information on financial trends to facilitate evaluation of the District's financial position and identify conditions requiring management attention.

Budget Calendar

July – Oct	<ul style="list-style-type: none"> -Assess budget goals, organization needs, and current economic factors -Budget guidelines and assumptions prepared -Capital budget development starts -Operating budget development starts
Nov – Dec	<ul style="list-style-type: none"> -Initial compilation and review of departmental O&M budgets -Initial budget revenue submittals (Operating & Non-Operating) -Meet with Employee Negotiators in December to discuss requests -Departmental O&M budgets initial draft completed -Initial staff review of departmental CIP budgets
January	<ul style="list-style-type: none"> -Conduct initial Budget and Salary/Benefits Committee meetings -Budget direction discussed and confirmed with Board Committees -Compilation and review of departmental CIP budgets
February	<ul style="list-style-type: none"> -Finalize employee Salary/Benefits package for Preliminary Budget -Initial review of Preliminary Rate Model with Budget Committee -Prepare preliminary charts, graphs, tables & narrative
March	<ul style="list-style-type: none"> -Preliminary Budget presented to full Board -Preliminary Rate Model presented to full Board
April	<ul style="list-style-type: none"> -Finalize employee compensation package with Salary/Benefits Committee -Finalize review by Budget Committee -Finalize budget review with Budget Committee
May	<ul style="list-style-type: none"> -Prop 218 Notices mailed to all parcel holders of record
June	<ul style="list-style-type: none"> -Final Budget presented in public meeting to full Board for approval -Final Rate Model approved in public meeting by full Board -Publish and distribute final approved Budget document
July 1 – June 30	<ul style="list-style-type: none"> -Budget Management & Oversight -Budget amendments increasing the overall fiscal year budget are subject to Board review and approval -Monthly Budget-to-Actual reports included in Board agenda packet -Annual Audited Financial Statement prepared in early Fall and presented to Board in Jan

THE BUDGET PROCESS



Budget Summary

**Carmel Area Wastewater District
Budget Summary
2019-20**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Beginning Fund Balance	26,326,207	26,326,207		32,398,289	32,398,289		34,653,260	106.96%	31,372,231	-9.47%
Operating Revenues	10,099,370	9,279,993	108.83%	9,071,435	9,887,417	91.75%	9,958,353	109.78%	10,387,456	4.31%
	10,099,370	9,279,993	108.83%	9,071,435	9,887,417	91.75%	9,958,353	109.78%	10,387,456	4.31%
Op Expend. (less deprec.)										
Treatment	2,311,447	2,713,652	85.18%	2,852,176	2,855,757	99.87%	3,273,836	114.78%	3,467,143	5.90%
Maintenance - Plant	1,136,825	1,695,392	67.05%	1,311,252	1,876,166	69.89%	1,834,346	139.89%	1,939,841	5.75%
Maintenance - Field	47,998	100,625	47.70%	0	0	∞	0	∞	0	∞
Administration	981,957	1,572,510	62.45%	1,241,325	1,686,164	73.62%	1,302,714	104.95%	1,462,995	12.30%
Collection	998,209	1,237,424	80.67%	1,335,062	1,705,960	78.26%	1,384,768	103.72%	1,729,543	24.90%
Reclamation Project	560,639	457,133	122.64%	606,510	471,938	128.51%	541,645	89.31%	560,413	3.47%
Waste to Energy	675	0	∞	15,982	9,108	175.47%	18,483	115.65%	20,190	9.24%
Brine Disposal	4,624	0	∞	6,138	7,910	77.60%	7,884	128.45%	7,385	-6.33%
Total Operating Exp	6,042,374	7,776,736	77.70%	7,368,445	8,613,003	85.55%	8,363,675	113.51%	9,187,509	9.85%
Operating Gain/(Loss) (exclusive of depreciation)	4,056,996	1,503,257	269.88%	1,702,990	1,274,414	133.63%	1,594,678	93.64%	1,199,947	-24.75%
Depreciation Expense	2,489,149	2,669,000	93.26%	2,669,000	2,669,000	100.00%	2,669,000	100.00%	2,669,000	0.00%
Amortization Expense	0	4,860	0.00%	4,860	4,860	100.00%	4,860	100.00%	4,860	0.00%
Operating Gain/(Loss)	1,567,847	(1,170,603)	-133.93%	(970,870)	(1,399,446)	69.38%	(1,079,182)	111.16%	(1,473,913)	36.58%
Non Operating Revenues	3,863,747	3,701,631	104.38%	2,541,305	3,341,282	76.06%	3,783,392	148.88%	5,139,695	35.85%
Non Operating Expend.	212,310	213,762	99.32%	211,000	215,625	97.86%	223,689	106.01%	219,632	-1.81%
Net Income/(Loss)	5,219,284	2,317,266	225.23%	1,359,435	1,726,211	78.75%	2,480,521	182.47%	3,446,150	38.93%
Capital Budget										
Equipment Purchases										

**Carmel Area Wastewater District
Budget Summary
2019-20**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Administration	16,735	0	∞	0	14,000	0.00%	0	∞	0	∞
Maintenance	0	200,000	0.00%	0	0	∞	18,500	∞	0	-100.00%
Collections	12,554	0	∞	554,098	410,000	135.15%	160,000	28.88%	120,000	-25.00%
Treatment	75,820	33,000	229.76%	40,561	17,800	227.87%	116,466	287.14%	176,500	51.55%
Capital Improvement Projects										
Administration	0	0	∞	0	0	∞	0	∞	0	∞
Maintenance	0	0	∞	0	0	∞	0	∞	0	∞
Collections	147,626	2,210,000	6.68%	521,057	3,725,000	13.99%	4,645,445	891.54%	2,340,000	-49.63%
Treatment	195,113	164,001	118.97%	4,370	305,396	1.43%	25,000	572.08%	25,000	0.00%
Treatment Long Term Capiti	1,153,763	4,265,331	27.05%	658,238	2,695,000	24.42%	3,470,000	527.16%	7,384,000	112.80%
Total Capital Budget	1,601,611	6,872,332	23.31%	1,778,324	7,167,196	24.81%	8,435,411	474.35%	10,045,500	19.09%
Ending Fund Balance	32,433,029	24,445,001	132.68%	34,653,260	29,631,164	116.95%	31,372,231	90.53%	27,446,741	-12.51%

Revenues

**Carmel Area Wastewater District
Revenues Budget 2020-21**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
OPERATING REVENUES										
Sewer service fees - residents	8,024,240	7,595,860	105.64%	7,605,930	8,206,479	92.68%	8,206,708	107.90%	8,617,043	5.00%
Treatment fees - PBCSD	1,486,410	1,200,000	123.87%	949,835	1,200,000	79.15%	1,200,000	126.34%	1,200,000	0.00%
Reclamation Proj O & M reimbursement	560,640	457,133	122.64%	480,265	471,938	101.76%	541,645	112.78%	560,413	3.47%
Permits & inspection fees	28,080	27,000	104.00%	35,405	9,000	393.39%	10,000	28.24%	10,000	0.00%
<i>Total Operating</i>	10,099,370	9,279,993	108.83%	9,071,435	9,887,417	91.75%	9,958,353	109.78%	10,387,456	4.31%
NON OPERATING REVENUES										
Property tax revenue	2,050,675	1,768,680	115.94%	1,817,227	1,812,897	100.24%	1,858,219	102.26%	1,904,675	2.50%
Interest Income	602,347	145,000	415.41%	367,781	250,000	147.11%	250,000	67.98%	250,000	0.00%
Liquid food waste	0	0	∞	6,295	1,000	0.00%	10,000	158.86%	10,000	0.00%
Highlands Inn assessment revenue	215,898	213,762	101.00%	211,000	215,625	97.86%	223,689	∞	219,632	-1.81%
Reimbursement from PBCSD for 1/3 secondary treatment plant improv.	497,084	1,541,859	32.24%	(5,277)	985,739	-0.54%	1,144,834	-21694.79%	2,435,138	112.71%
Plant Connection fees	93,585	0	∞	27,732	18,000	154.07%	18,000	64.91%	18,000	0.00%
Reclamation Project reimbursement	195,562	32,330	604.89%	8,673	58,021	14.95%	278,650	3213.03%	302,250	8.47%
Other	208,596	0	∞	107,875	0	∞	0	0.00%	0	∞
<i>Total Non Operating</i>	3,863,747	3,701,631	104.38%	2,541,305	3,341,282	76.06%	3,783,392	148.88%	5,139,695	35.85%
TOTAL REVENUES	13,963,117	12,981,624	107.56%	11,612,740	13,228,699	87.78%	13,741,745	118.33%	15,527,152	12.99%

Non-Operating Expenses

**Carmel Area Wastewater District
Non-Operating Expenses Budget
2020-21**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
NON OPERATING EXPENSES										
Debt Service - Principal*	150,000	150,000	100.00%	160,000	160,000	100.00%	170,000	6.25%	175,000	2.94%
Debt Service - Interest	59,194	61,162	96.78%	51,000	53,025	96.18%	44,363	-13.01%	35,306	-20.42%
Bond Fees	3,116	2,600	119.85%	0	2,600	0.00%	9,326	<u>∞</u>	9,326	0.00%
TOTAL	212,310	213,762	99.32%	211,000	215,625	97.86%	223,689	6.01%	219,632	-1.81%

Note:

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

Consolidated Operating Expenses – Summary

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Total Salaries	2,356,929	2,425,425	97.18%	2,786,697	2,531,672	110.07%	2,698,141	96.82%	2,834,530	5.05%
Total Payroll Taxes	200,204	185,546	107.90%	232,987	198,688	117.26%	204,901	87.95%	214,789	4.83%
Total Employee Benefits	215,694	875,124	24.65%	664,476	886,352	74.97%	759,665	114.33%	838,788	10.42%
Total Directors Fees	32,346	32,250	100.30%	29,614	29,650	99.88%	36,300	122.58%	33,300	-8.26%
Total Trucks & Autos	37,787	45,460	83.12%	53,305	60,220	88.52%	58,430	109.61%	56,930	-2.57%
Total Insurance	128,311	93,679	136.97%	177,295	99,335	178.48%	151,987	85.73%	161,309	6.13%
Audit/Financial Expense	27,550	30,600	90.03%	46,629	31,200	149.45%	40,000	85.78%	40,000	0.00%
Total Engineering Fees	6,561	210,000	3.12%	142,217	455,000	31.26%	575,000	404.31%	660,000	14.78%
Total Attorney Fees	118,182	131,000	90.22%	78,294	276,000	28.37%	156,000	199.25%	171,000	9.62%
Total Office Supplies & Svc.	66,181	75,540	87.61%	80,044	49,800	160.73%	64,600	80.71%	59,975	-7.16%
Total Operating Supplies	394,131	378,835	104.04%	345,858	374,155	92.44%	408,482	118.11%	425,370	4.13%
Total Contractual Services	884,226	824,215	107.28%	1,077,227	1,205,200	89.38%	1,261,355	117.09%	1,254,179	-0.57%
Total Maint & Repairs	356,697	839,267	42.50%	302,020	814,000	37.10%	598,350	198.12%	814,545	36.13%
Total Utilities	341,460	387,470	88.13%	389,109	416,905	93.33%	440,677	113.25%	457,777	3.88%
Total Telephone	52,573	48,620	108.13%	36,208	40,300	89.85%	50,095	138.35%	50,830	1.47%
Total Travel & Meetings	55,193	113,525	48.62%	71,333	83,641	85.28%	79,700	111.73%	79,700	0.00%
Total Permitting	40,661	54,615	74.45%	70,084	70,050	100.05%	60,512	86.34%	64,777	7.05%
Total Membership/Subscrip.	38,168	38,785	98.41%	52,709	37,305	141.29%	52,819	100.21%	53,105	0.54%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Total Safety Expenses	58,278	61,045	95.47%	60,761	67,355	90.21%	54,315	89.39%	64,985	19.64%
Total Other Expense	70,604	468,602	15.07%	65,067	414,237	15.71%	70,700	108.66%	291,208	311.89%
CAWD Subtotal	5,481,734	7,319,603	74.89%	6,761,935	8,141,065	83.06%	7,822,030	115.68%	8,627,096	10.29%
Reclamation Project	560,639	457,133	122.64%	606,510	471,938	128.51%	541,645	89.31%	560,413	3.47%
Final Subtotal	6,042,374	7,776,736	77.70%	7,368,445	8,613,003	85.55%	8,363,675	113.51%	9,187,509	9.85%
Depreciation Expense	2,489,149	2,669,000	93.26%	2,669,000	2,669,000	100.00%	2,669,000	100.00%	2,669,000	0.00%
Amortization Expense	0	4,860	0.00%	4,860	4,860	100.00%	4,860	100.00%	4,860	0.00%
Total Operating Expense	8,531,523	10,450,596	81.64%	10,042,305	11,286,863	88.97%	11,037,535	109.91%	11,861,369	7.46%

Consolidated Departmental Expenses – Detail

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries	5030.006	2,278,021	2,653,695	85.84%	2,718,999	2,705,216	100.51%	2,932,871	107.87%	3,081,440	5.07%
Salaries - Overtime	5035.006	42,068	47,200	89.13%	35,127	87,200	40.28%	56,000	159.42%	56,000	0.00%
Salaries - Standby	5040.006	36,840	43,680	84.34%	32,571	43,680	74.57%	52,200	160.27%	52,200	0.00%
Allocation to Reclamation		0	(319,150)	0.00%	0	(304,424)	0.00%	(342,930)	n/a	(355,110)	3.55%
<i>Total Salaries</i>		2,356,929	2,425,425	97.18%	2,786,697	2,531,672	110.07%	2,698,141	96.82%	2,834,530	5.05%
Payroll Taxes	5045.006	200,204	208,496	96.02%	232,987	221,638	105.12%	228,196	97.94%	239,015	4.74%
Allocation to Reclamation		0	(22,950)		0	(22,950)		(23,294)		(24,226)	
<i>Total Payroll Taxes</i>		200,204	185,546	107.90%	232,987	198,688	117.26%	204,901	87.95%	214,789	4.83%
Employee Benefits:											
Medical Insurance - Premium	5070.006	288,380	458,893	62.84%	296,223	296,060	100.06%	346,842	117.09%	381,340	9.95%
Retirement Plan - CalPERS	5080.006	208,024	228,449	91.06%	265,518	308,825	85.98%	278,437	104.87%	296,010	6.31%
Pension Contribution - SAM	5090.006	(375,536)	103,790	-361.82%	0	103,840	0.00%	0	∞	0	∞
Workers Compensation	5100.006	118,320	108,416	109.14%	121,149	132,820	91.21%	115,721	95.52%	122,734	6.06%
Life Insurance	5110.006	7,963	7,647	104.14%	9,338	8,255	113.12%	8,501	91.04%	8,529	0.33%
PEHP	5120.006	32,736	26,986	121.31%	41,083	33,780	121.62%	35,450	86.29%	37,195	4.92%
Dental Insurance/Claims	5130.006	29,243	40,759	71.74%	36,888	36,700	100.51%	38,200	103.56%	39,700	3.93%
Vision Insurance	5140.006	7,004	7,500	93.39%	8,229	8,100	101.59%	8,350	101.47%	8,598	2.97%
Long Term Disability	5150.006	21,934	24,409	89.86%	27,016	25,420	106.28%	26,506	98.11%	28,340	6.92%
HSA Contributions	5160.006	41,463	0	∞	50,930	52,415	97.17%	73,909	145.12%	73,626	-0.38%
HRA Contributions	5165.006	249	0	∞	0	0	∞	340	∞	210	-38.24%
Tuition reimbursement	5175.006	167	3,000	5.57%	0	0	∞	0	∞	0	∞
Employee Assistance Program	5180.006	4,274	3,925	108.89%	7,328	4,300	170.42%	4,400	60.04%	4,535	3.07%
Employee Awards	5185.006	2,303	950	242.42%	(663)	0	∞	0	0.00%	0	∞
Employee lunches		1,500	0	∞	753	900	83.67%	300	39.84%	320	6.67%
Annual District picnic		3,399	2,500	135.97%	4,922	3,000	164.07%	4,380	88.99%	4,480	2.28%
Employee BBQ		196	500	39.26%	162	0	∞	0	0.00%	0	∞
COBRA	5190.006	(1,292)	0	∞	0	0	∞	0	∞	0	∞
Medical Exams	5200.006	4,399	1,700	258.76%	7,498	2,000	374.90%	1,500	20.01%	1,500	0.00%
Allocate to Reclamation	5205.006	(179,033)	(144,300)	124.07%	(212,011)	(130,063)	163.01%	(183,171)	86.40%	(168,329)	-8.10%
<i>Total Employee Benefits</i>		215,694	875,124	24.65%	664,476	886,352	74.97%	759,665	114.33%	838,788	10.42%
Directors Fees											
Regular Board Meetings	5230.007	8,450	8,800	96.02%	9,857	8,800	112.01%	8,800	89.28%	8,800	0.00%
PBCSD - Directors fees	5240.007	1,600	1,750	91.43%	1,629	1,750	93.09%	1,750	107.43%	1,750	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Special Board Meetings	5250.007	3,100	5,700	54.39%	4,029	7,600	53.01%	5,700	141.47%	5,700	0.00%
Committee meetings	5260.007	1,400	2,100	66.67%	1,114	2,100	53.05%	2,100	188.51%	2,100	0.00%
Special District Assoc.	5265.007	31	0	∞	1,083	0	∞	100	9.23%	100	0.00%
WateReuse	5269.007	1,403	300	467.77%	0	300	0.00%	1,500	∞	1,500	0.00%
CASA - Directors fees	5270.007	0	1,350	0.00%	0	300	0.00%	1,350	∞	1,350	0.00%
Training	5275.007	3,806	250	1522.44%	46	0	∞	3,000	6521.74%	0	-100.00%
Director's Dental Claims	5280.007	12,555	12,000	104.63%	11,856	8,800	134.73%	12,000	101.21%	12,000	0.00%
<i>Total Directors Fees</i>		32,346	32,250	100.30%	29,614	29,650	99.88%	36,300	122.58%	33,300	-8.26%
<i>Trucks & Autos</i>											
Gasoline	5310.006	4,383	8,150	53.78%	6,199	8,400	73.80%	8,450	136.31%	8,450	0.00%
Diesal	5320.006	15,009	2,800	536.04%	19,569	22,200	88.15%	22,200	113.44%	22,200	0.00%
Fuelmaster		550	0	∞	943	550	171.45%	560	59.38%	560	0.00%
Oil & Grease	5330.006	87	2,200	3.95%	601	700	85.86%	800	133.11%	800	0.00%
Tires, Batteries, Service	5340.006	2,043	2,100	97.30%	1,615	4,100	39.39%	4,100	253.87%	4,100	0.00%
Outside Repair Service	5345.006	9,498	8,300	114.44%	16,919	9,800	172.64%	11,800	69.74%	10,300	-12.71%
Repair Parts	5350.006	3,420	6,500	52.61%	1,640	6,000	27.33%	2,600	158.54%	2,600	0.00%
Tools	5355.006	25	6,500	0.38%	456	2,500	18.24%	800	175.44%	800	0.00%
Vehicle Accessories	5360.006	1,198	6,000	19.96%	3,294	700	470.57%	1,600	48.57%	1,600	0.00%
Driver medical exams	5370.006	0	0	∞	0	1,100	0.00%	170	∞	170	0.00%
Smog Check - Vehicles	5380.006	198	350	56.64%	412	450	91.56%	700	169.90%	700	0.00%
DATCO Drug Testing	5400.006	866	970	89.23%	996	970	102.68%	2,100	210.84%	2,100	0.00%
Cleaning & detailing	5410.006	21	250	8.34%	643	1,250	51.44%	1,650	256.61%	1,650	0.00%
Paint & fluids	5420.006	489	40	1223.70%	18	500	3.60%	300	1666.67%	300	0.00%
EE mileage reimbursement	5430.007	0	200	0.00%	0	200	0.00%	100	∞	100	0.00%
Waste oil & coolants disposal	5440.006	0	1,100	0.00%	0	800	0.00%	500	∞	500	0.00%
<i>Total Trucks & Autos</i>		37,787	45,460	83.12%	53,305	60,220	88.52%	58,430	109.61%	56,930	-2.57%
<i>Property/Liability/Auto Insurance</i>											
Auto insurance	5450.006	16,175	1,502	1076.88%	21,337	2,100	1016.05%	13,642	63.94%	14,725	7.94%
Property Insurance	5480.006	14,169	23,350	60.68%	22,193	18,035	123.06%	19,812	89.27%	20,808	5.03%
General Liability	5480.006	90,342	61,202	147.61%	121,871	71,300	170.93%	109,734	90.04%	116,526	6.19%
Errors & Ommissions	5480.007	4,800	4,800	100.00%	8,229	4,800	171.44%	5,520	67.08%	5,800	5.07%
Commerical Crime Policy	5480.007	1,325	1,325	99.99%	2,486	1,450	171.45%	1,550	62.35%	1,630	5.16%
Cyber Crime Insurance		1,500	1,500	100.00%	1,179	1,650	71.45%	1,730	146.73%	1,820	5.20%
<i>Total Insurance</i>		128,311	93,679	136.97%	177,295	99,335	178.48%	151,987	85.73%	161,309	6.13%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Audit/Financial Expense</i>	5490.007	27,550	30,600	90.03%	46,629	31,200	149.45%	40,000	85.78%	40,000	0.00%
<i>Engineering Fees</i>											
Consulting Fees	5500.006	6,561	210,000	3.12%	142,217	455,000	31.26%	575,000	404.31%	660,000	14.78%
<i>Total Engineering Fees</i>		6,561	210,000	3.12%	142,217	455,000	31.26%	575,000	404.31%	660,000	14.78%
<i>Attorney Fees</i>											
District Counsel	5510.006	118,182	131,000	90.22%	78,294	76,000	103.02%	86,000	109.84%	101,000	17.44%
Outside Counsel		0	0	0.00%	0	200,000	0.00%	70,000	∞	70,000	0.00%
<i>Total Attorney Fees</i>		118,182	131,000	90.22%	78,294	276,000	28.37%	156,000	199.25%	171,000	9.62%
<i>Office Supplies & Service</i>											
Bank fees	5515.007	59	0	∞	283	100	283.00%	150	53.00%	150	0.00%
Public Outreach & Promotion	5519.007	0	0	∞	3,073	0	∞	1,500	48.81%	1,500	0.00%
Computers & Equip	5540.006	32,950	41,500	79.40%	56,890	16,300	349.02%	32,300	56.78%	28,300	-12.38%
Furnishings & fixtures	5545.006	11,176	4,100	272.59%	3,160	4,700	67.23%	4,800	151.90%	4,000	-16.67%
Paper & printing	5550.006	6,135	13,050	47.01%	1,582	12,800	12.36%	10,300	651.07%	10,300	0.00%
Postage & shipping	5560.006	1,228	2,870	42.78%	2,105	2,600	80.96%	2,600	123.52%	2,600	0.00%
Office supplies	5570.006	6,365	9,050	70.33%	9,389	9,100	103.18%	8,650	92.13%	8,800	1.73%
Equipment rent	5580.006	0	500	0.00%	0	0	∞	0	∞	0	∞
Equipment repairs	5590.006	133	2,120	6.27%	0	1,500	0.00%	500	∞	500	0.00%
Post Office Box Rental	5585.007	182	350	52.00%	350	200	175.00%	300	85.71%	325	8.33%
Temp Services	5595.007	7,953	2,000	397.63%	3,212	2,500	128.48%	3,500	108.97%	3,500	0.00%
<i>Total Office Supplies & Svc.</i>		66,181	75,540	87.61%	80,044	49,800	160.73%	64,600	80.71%	59,975	-7.16%
<i>Operating Supplies</i>											
Chemicals	5615.006	2,080	5,000	41.60%	4,494	5,000	89.88%	4,000	89.01%	4,000	0.00%
Chlorine	5620.006	0	0	∞	0	0	∞	0	∞	0	∞
Phenylarsine oxide	5625.006	563	0	∞	582	0	∞	750	128.87%	750	0.00%
Sodium hypochlorite	5635.006	73,306	90,000	0.00%	84,380	85,000	0.00%	97,750	115.84%	107,525	0.00%
Sodium bisulfite	5630.006	73,727	46,350	159.07%	45,199	50,000	90.40%	75,000	165.93%	78,000	4.00%
Ferric chloride	5640.006	18,756	30,000	62.52%	27,371	30,000	91.24%	31,000	113.26%	38,000	22.58%
Polymer	5650.006	47,254	35,000	135.01%	44,208	55,000	80.38%	55,000	124.41%	55,000	0.00%
Acetic Acid	5660.006	940	1,100	85.48%	833	750	111.07%	1,100	132.05%	1,100	0.00%
Iodine solution	5665.006	53	450	11.74%	100	300	33.33%	300	300.00%	300	0.00%
Potassium iodate	5670.006	251	3,650	6.87%	794	3,800	20.89%	1,000	125.94%	1,000	0.00%
Generator fuel	5675.006	0	3,500	0.00%	0	2,000	0.00%	2,500	∞	2,700	8.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Lubricants & packing	5680.006	171	5,000	3.43%	1,251	1,000	125.10%	500	39.97%	500	0.00%
Microturbine	5685.006	0	0	∞	0	0	∞	0	∞	0	∞
Electrical Supplies	5690.006	62,671	35,500	176.54%	23,180	44,900	51.63%	34,400	148.40%	34,500	0.29%
Laboratory	5700.006	37,413	30,900	121.08%	33,444	33,840	98.83%	39,432	117.90%	39,435	0.01%
Paint & fluids	5710.006	2,270	11,000	20.64%	11,445	2,800	408.75%	5,000	43.69%	5,000	0.00%
Janitorial	5730.006	103	1,220	8.42%	0	800	0.00%	800	∞	800	0.00%
Personnel	5740.006	6,812	11,950	57.00%	3,174	3,950	80.35%	4,500	141.78%	4,500	0.00%
Radios & supplies	5745.006	3,087	1,590	194.13%	3,503	2,590	135.25%	2,050	58.52%	2,120	3.41%
Welding	5750.006	707	1,000	70.69%	76	1,000	7.60%	500	657.89%	500	0.00%
Hand tools	5780.006	13,374	12,075	110.76%	11,460	8,275	138.49%	9,000	78.53%	9,000	0.00%
General supplies	5790.006	49,765	52,300	95.15%	50,364	42,150	119.49%	42,800	84.98%	39,640	-7.38%
Source control	5795.006	829	1,250	66.35%	0	1,000	0.00%	1,100	∞	1,000	-9.09%
<i>Total Operating Supplies</i>		394,131	378,835	104.04%	345,858	374,155	92.44%	408,482	118.11%	425,370	4.13%
<i>Contractual Services</i>											
Root foaming	5865.005	63,322	53,000	119.48%	111,680	64,000	174.50%	65,000	58.20%	65,000	0.00%
Pump station monitoring	5870.005	4,529	4,400	102.93%	0	12,600	0.00%	12,000	∞	12,000	0.00%
Collection system capacity monitoring	5875.005	189	9,000	2.10%	0	8,500	0.00%	8,500	∞	8,500	0.00%
Underground Service Alert	5930.005	3,346	1,250	267.70%	3,188	3,000	106.27%	3,500	109.79%	3,500	0.00%
Sludge Haul/Disposal	5820.006	88,292	97,850	90.23%	104,675	99,000	105.73%	103,000	98.40%	107,000	3.88%
Network Administration	5830.006	112,987	109,150	103.52%	171,066	121,500	140.80%	134,245	78.48%	151,212	12.64%
Website Maintenance	5835.007	1,550	1,000	155.00%	12,910	1,000	1291.00%	4,800	37.18%	4,800	0.00%
Laboratory Analysis	5840.006	27,841	31,970	87.08%	26,907	33,000	81.54%	38,010	141.26%	39,150	3.00%
Microturbine Service	5850.006	653	6,500	10.04%	35,449	3,000	1181.63%	3,000	8.46%	3,000	0.00%
Mechanical Service		0	0	∞	0	60,000	0.00%	25,000	∞	30,000	20.00%
HVAC Service		0	0	∞	0	25,000	0.00%	20,000	∞	25,000	25.00%
Systems Integrator		0	0	∞	195,082	220,000	88.67%	245,000	125.59%	270,000	10.20%
Equipment service (carts, lifts, forklift, boi		0	0	∞	518	12,000	4.32%	3,000	579.15%	3,000	0.00%
Plant Electrical Rehabilitation	5855.006	272,814	265,000	102.95%	123,318	200,000	61.66%	140,000	113.53%	150,000	7.14%
Alarm System	5880.006	3,479	5,150	67.55%	5,669	4,750	119.35%	10,200	179.93%	10,200	0.00%
HR Consulting	5885.006	35,063	0	∞	36,773	59,940	61.35%	57,100	155.28%	59,600	4.38%
Equip rental	5890.006	5,039	0	∞	0	7,400	0.00%	5,400	∞	5,400	0.00%
Janitorial Service	5900.006	14,010	14,610	95.89%	13,320	14,610	91.17%	14,500	108.86%	14,500	0.00%
Copier Service	5910.006	10,346	8,800	117.57%	3,161	8,800	35.92%	12,200	385.95%	12,200	0.00%
Actuarial Service	5920.007	8,611	15,000	57.41%	14,189	15,000	94.59%	10,000	70.48%	15,000	50.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Laundry	5940.006	20,167	23,510	85.78%	18,768	16,700	112.38%	22,100	117.75%	22,100	0.00%
Payroll Processing	5950.007	7,174	6,700	107.08%	6,906	6,850	100.82%	7,100	102.81%	7,100	0.00%
Data processing - County	5970.007	21,644	22,000	98.38%	22,550	22,550	100.00%	22,550	100.00%	22,800	1.11%
Landscape Maintenance	5980.006	9,020	12,500	72.16%	12,903	12,500	103.22%	14,500	112.38%	14,500	0.00%
Hazard/Green Waste Disposal	5990.006	168	1,600	10.50%	143	1,000	14.30%	0	0.00%	0	<u>8</u>
Grit & Screening Disposal	6000.006	21,068	13,500	156.06%	19,794	15,000	131.96%	23,100	116.70%	24,255	5.00%
Pest Control	6010.006	2,696	3,000	89.87%	3,276	3,000	109.20%	3,000	91.58%	3,000	0.00%
Sewer/pretreatment ordinance	6015.006	0	2,500	0.00%	0	2,500	0.00%	0	<u>8</u>	0	<u>8</u>
Instrumentation Services	6020.006	5,683	26,000	21.86%	1,063	15,000	7.09%	28,200	2652.87%	28,962	2.70%
Hoist Certification	6030.006	2,070	3,000	69.00%	0	2,500	0.00%	2,700	<u>8</u>	2,700	0.00%
Fuel tank cleaning	6035.004	3,540	0	<u>8</u>	0	2,500	0.00%	0	<u>8</u>	0	<u>8</u>
Hazardous chemical disposal	6040.006	1,736	500	347.25%	0	500	0.00%	1,000	<u>8</u>	1,200	20.00%
Outfall Inspection	6045.006	0	11,000	0.00%	18,857	11,500	163.97%	12,650	67.08%	13,500	6.72%
Lagoon Inspection	6046.006	0	0	<u>8</u>	0	0	<u>8</u>	5,000	<u>8</u>	5,000	0.00%
Ocean Monitoring Program	6050.006	0	12,225	0.00%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Sea Level Rise study	6055.006	53,884	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Other Special Studies	6070.006	83,305	53,500	155.71%	111,205	50,000	222.41%	25,000	22.48%	50,000	100.00%
Plant tree trimming		0	10,000	0.00%	3,857	70,000	5.51%	180,000	4666.84%	70,000	-61.11%
<i>Total Contractual Services</i>		884,226	824,215	107.28%	1,077,227	1,205,200	89.38%	1,261,355	117.09%	1,254,179	-0.57%
<i>Repairs & Maintenance</i>											
Easements	6100.005	38,879	48,000	81.00%	9,008	35,000	25.74%	35,000	388.54%	35,000	0.00%
Pump stations	6110.005	1,510	4,000	37.76%	240	2,500	9.60%	52,500	21875.00%	2,500	-95.24%
Pump station equipment	6120.005	18,106	34,000	53.25%	17,951	14,000	128.22%	15,000	83.56%	15,000	0.00%
Sewer lines	6130.005	2,115	75,000	2.82%	0	200,000	0.00%	50,000	<u>8</u>	200,000	300.00%
Manholes	6140.005	53,236	40,000	133.09%	49,032	70,000	70.05%	55,000	112.17%	80,000	45.45%
Generators	6200.005	280	15,000	1.87%	1,205	4,000	30.13%	3,500	290.46%	3,500	0.00%
General Repairs	6095.006	105,413	195,000	54.06%	50,085	64,500	77.65%	62,500	124.79%	63,500	1.60%
Electric Motors	6150.006	0	14,000	0.00%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Microturbine R & M	6160.006	13,741	5,000	274.82%	8,164	10,000	81.64%	10,000	122.49%	10,000	0.00%
Centrifugal Pumps	6170.006	0	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Prog. Cav. Pumps	6180.006	0	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Plant Pumps	6190.006	2,849	35,000	8.14%	0	0	<u>8</u>	500	<u>8</u>	500	0.00%
Standby Generator	6200.006	2,793	10,000	27.93%	60	15,000	0.40%	5,000	8333.33%	15,000	200.00%
Control Panels	6210.006	27,803	120,000	23.17%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Lubricants & packing	5680.006	171	5,000	3.43%	1,251	1,000	125.10%	500	39.97%	500	0.00%
Microturbine	5685.006	0	0	∞	0	0	∞	0	∞	0	∞
Electrical Supplies	5690.006	62,671	35,500	176.54%	23,180	44,900	51.63%	34,400	148.40%	34,500	0.29%
Laboratory	5700.006	37,413	30,900	121.08%	33,444	33,840	98.83%	39,432	117.90%	39,435	0.01%
Paint & fluids	5710.006	2,270	11,000	20.64%	11,445	2,800	408.75%	5,000	43.69%	5,000	0.00%
Janitorial	5730.006	103	1,220	8.42%	0	800	0.00%	800	∞	800	0.00%
Personnel	5740.006	6,812	11,950	57.00%	3,174	3,950	80.35%	4,500	141.78%	4,500	0.00%
Radios & supplies	5745.006	3,087	1,590	194.13%	3,503	2,590	135.25%	2,050	58.52%	2,120	3.41%
Welding	5750.006	707	1,000	70.69%	76	1,000	7.60%	500	657.89%	500	0.00%
Hand tools	5780.006	13,374	12,075	110.76%	11,460	8,275	138.49%	9,000	78.53%	9,000	0.00%
General supplies	5790.006	49,765	52,300	95.15%	50,364	42,150	119.49%	42,800	84.98%	39,640	-7.38%
Source control	5795.006	829	1,250	66.35%	0	1,000	0.00%	1,100	∞	1,000	-9.09%
<i>Total Operating Supplies</i>		394,131	378,835	104.04%	345,858	374,155	92.44%	408,482	118.11%	425,370	4.13%
<i>Contractual Services</i>											
Root foaming	5865.005	63,322	53,000	119.48%	111,680	64,000	174.50%	65,000	58.20%	65,000	0.00%
Pump station monitoring	5870.005	4,529	4,400	102.93%	0	12,600	0.00%	12,000	∞	12,000	0.00%
Collection system capacity monitoring	5875.005	189	9,000	2.10%	0	8,500	0.00%	8,500	∞	8,500	0.00%
Underground Service Alert	5930.005	3,346	1,250	267.70%	3,188	3,000	106.27%	3,500	109.79%	3,500	0.00%
Sludge Haul/Disposal	5820.006	88,292	97,850	90.23%	104,675	99,000	105.73%	103,000	98.40%	107,000	3.88%
Network Administration	5830.006	112,987	109,150	103.52%	171,066	121,500	140.80%	134,245	78.48%	151,212	12.64%
Website Maintenance	5835.007	1,550	1,000	155.00%	12,910	1,000	1291.00%	4,800	37.18%	4,800	0.00%
Laboratory Analysis	5840.006	27,841	31,970	87.08%	26,907	33,000	81.54%	38,010	141.26%	39,150	3.00%
Microturbine Service	5850.006	653	6,500	10.04%	35,449	3,000	1181.63%	3,000	8.46%	3,000	0.00%
Mechanical Service		0	0	∞	0	60,000	0.00%	25,000	∞	30,000	20.00%
HVAC Service		0	0	∞	0	25,000	0.00%	20,000	∞	25,000	25.00%
Systems Integrator		0	0	∞	195,082	220,000	88.67%	245,000	125.59%	270,000	10.20%
Equipment service (carts, lifts, forklift, boi		0	0	∞	518	12,000	4.32%	3,000	579.15%	3,000	0.00%
Plant Electrical Rehabilitation	5855.006	272,814	265,000	102.95%	123,318	200,000	61.66%	140,000	113.53%	150,000	7.14%
Alarm System	5880.006	3,479	5,150	67.55%	5,669	4,750	119.35%	10,200	179.93%	10,200	0.00%
HR Consulting	5885.006	35,063	0	∞	36,773	59,940	61.35%	57,100	155.28%	59,600	4.38%
Equip rental	5890.006	5,039	0	∞	0	7,400	0.00%	5,400	∞	5,400	0.00%
Janitorial Service	5900.006	14,010	14,610	95.89%	13,320	14,610	91.17%	14,500	108.86%	14,500	0.00%
Copier Service	5910.006	10,346	8,800	117.57%	3,161	8,800	35.92%	12,200	385.95%	12,200	0.00%
Actuarial Service	5920.007	8,611	15,000	57.41%	14,189	15,000	94.59%	10,000	70.48%	15,000	50.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Laundry	5940.006	20,167	23,510	85.78%	18,768	16,700	112.38%	22,100	117.75%	22,100	0.00%
Payroll Processing	5950.007	7,174	6,700	107.08%	6,906	6,850	100.82%	7,100	102.81%	7,100	0.00%
Data processing - County	5970.007	21,644	22,000	98.38%	22,550	22,550	100.00%	22,550	100.00%	22,800	1.11%
Landscape Maintenance	5980.006	9,020	12,500	72.16%	12,903	12,500	103.22%	14,500	112.38%	14,500	0.00%
Hazard/Green Waste Disposal	5990.006	168	1,600	10.50%	143	1,000	14.30%	0	0.00%	0	<u>8</u>
Grit & Screening Disposal	6000.006	21,068	13,500	156.06%	19,794	15,000	131.96%	23,100	116.70%	24,255	5.00%
Pest Control	6010.006	2,696	3,000	89.87%	3,276	3,000	109.20%	3,000	91.58%	3,000	0.00%
Sewer/pretreatment ordinance	6015.006	0	2,500	0.00%	0	2,500	0.00%	0	<u>8</u>	0	<u>8</u>
Instrumentation Services	6020.006	5,683	26,000	21.86%	1,063	15,000	7.09%	28,200	2652.87%	28,962	2.70%
Hoist Certification	6030.006	2,070	3,000	69.00%	0	2,500	0.00%	2,700	<u>8</u>	2,700	0.00%
Fuel tank cleaning	6035.004	3,540	0	<u>8</u>	0	2,500	0.00%	0	<u>8</u>	0	<u>8</u>
Hazardous chemical disposal	6040.006	1,736	500	347.25%	0	500	0.00%	1,000	<u>8</u>	1,200	20.00%
Outfall Inspection	6045.006	0	11,000	0.00%	18,857	11,500	163.97%	12,650	67.08%	13,500	6.72%
Lagoon Inspection	6046.006	0	0	<u>8</u>	0	0	<u>8</u>	5,000	<u>8</u>	5,000	0.00%
Ocean Monitoring Program	6050.006	0	12,225	0.00%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Sea Level Rise study	6055.006	53,884	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Other Special Studies	6070.006	83,305	53,500	155.71%	111,205	50,000	222.41%	25,000	22.48%	50,000	100.00%
Plant tree trimming		0	10,000	0.00%	3,857	70,000	5.51%	180,000	4666.84%	70,000	-61.11%
<i>Total Contractual Services</i>		884,226	824,215	107.28%	1,077,227	1,205,200	89.38%	1,261,355	117.09%	1,254,179	-0.57%
<i>Repairs & Maintenance</i>											
Easements	6100.005	38,879	48,000	81.00%	9,008	35,000	25.74%	35,000	388.54%	35,000	0.00%
Pump stations	6110.005	1,510	4,000	37.76%	240	2,500	9.60%	52,500	21875.00%	2,500	-95.24%
Pump station equipment	6120.005	18,106	34,000	53.25%	17,951	14,000	128.22%	15,000	83.56%	15,000	0.00%
Sewer lines	6130.005	2,115	75,000	2.82%	0	200,000	0.00%	50,000	<u>8</u>	200,000	300.00%
Manholes	6140.005	53,236	40,000	133.09%	49,032	70,000	70.05%	55,000	112.17%	80,000	45.45%
Generators	6200.005	280	15,000	1.87%	1,205	4,000	30.13%	3,500	290.46%	3,500	0.00%
General Repairs	6095.006	105,413	195,000	54.06%	50,085	64,500	77.65%	62,500	124.79%	63,500	1.60%
Electric Motors	6150.006	0	14,000	0.00%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Microturbine R & M	6160.006	13,741	5,000	274.82%	8,164	10,000	81.64%	10,000	122.49%	10,000	0.00%
Centrifugal Pumps	6170.006	0	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Prog. Cav. Pumps	6180.006	0	0	<u>8</u>	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>
Plant Pumps	6190.006	2,849	35,000	8.14%	0	0	<u>8</u>	500	<u>8</u>	500	0.00%
Standby Generator	6200.006	2,793	10,000	27.93%	60	15,000	0.40%	5,000	8333.33%	15,000	200.00%
Control Panels	6210.006	27,803	120,000	23.17%	0	0	<u>8</u>	0	<u>8</u>	0	<u>8</u>

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Instruments	6220.006	29,398	74,860	39.27%	0	10,000	0.00%	8,000	∞	8,000	0.00%
Boiler Repairs	6230.006	3,900	4,397	88.70%	1,586	0	∞	3,900	245.90%	4,500	15.38%
Lab Equipment	6240.006	4,151	12,260	33.86%	16,356	13,750	118.95%	15,000	91.71%	15,450	3.00%
Pretreatment	6245.004	0	0	∞	49,381	41,000	120.44%	50,000	101.25%	50,000	0.00%
Headworks - Primary	6250.006	935	17,750	5.27%	1,455	7,750	18.77%	4,750	326.46%	4,895	3.05%
IPS/EPS/DAF	6260.006	2,536	14,500	17.49%	209	8,400	2.49%	5,700	2727.27%	5,700	0.00%
Effluent/Outfall		0	0	∞	11,924	9,500	125.52%	25,000	209.66%	35,000	40.00%
Disinfection (Hypo/SBS/CDC)	6270.006	7,559	20,000	37.80%	12,609	33,000	38.21%	22,000	174.48%	22,000	0.00%
Solids Trmt (Dewatering/DIG)	6280.006	9,154	17,500	52.31%	38,794	63,100	61.48%	48,000	123.73%	67,000	39.58%
Plant Valves	6290.006	953	15,000	6.36%	0	0	∞	0	∞	0	∞
Aeration - Secondary	6300.006	20,534	18,000	114.08%	28,560	100,500	28.42%	47,000	164.57%	47,000	0.00%
Demolition	6310.006	0	0	∞	0	0	∞	0	∞	0	∞
Plant Utilities(IPS/3PS/StormF	6315.004	0	0	∞	3,248	82,000	3.96%	50,000	1539.41%	50,000	0.00%
Buildings	6320.006	10,850	50,000	21.70%	2,153	30,000	7.18%	30,000	1393.40%	80,000	166.67%
<i>Total Maint & Repairs</i>		356,697	839,267	42.50%	302,020	814,000	37.10%	598,350	198.12%	814,545	36.13%
<i>Utilities</i>											
Electricity	6352.006	272,231	329,760	82.55%	326,548	349,790	93.36%	374,650	114.73%	388,480	3.69%
Co-Gen Non Energy	6359.006	549	0	∞	843	0	∞	0	0.00%	0	∞
Gas	6360.006	53,065	37,400	141.89%	48,349	45,200	106.97%	46,962	97.13%	48,792	3.90%
Propane	6370.006	2,643	2,300	114.89%	638	1,600	39.88%	1,800	282.13%	1,850	2.78%
Water	6380.006	11,417	16,235	70.32%	11,041	16,690	66.15%	14,090	127.62%	14,430	2.41%
Garbage	6385.006	600	1,075	55.78%	711	2,675	26.58%	2,175	305.91%	3,175	45.98%
Cable television	6390.006	955	700	136.45%	979	950	103.05%	1,000	102.15%	1,050	5.00%
<i>Total Utilities</i>		341,460	387,470	88.13%	389,109	416,905	93.33%	440,677	113.25%	457,777	3.88%
<i>Telephone</i>											
Fixed Costs	6392.006	35,076	34,000	103.17%	28,658	27,500	104.21%	39,345	137.29%	39,445	0.25%
Cellular Phones	6393.006	7,850	13,620	57.64%	7,496	10,800	69.41%	10,750	143.41%	11,385	5.91%
Repair to Lines	6394.006	9,646	1,000	964.58%	54	2,000	2.70%	0	0.00%	0	∞
<i>Total Telephone</i>		52,573	48,620	108.13%	36,208	40,300	89.85%	50,095	138.35%	50,830	1.47%
<i>Travel & Training</i>											
Employee Training	6420.006	33,190	85,865	38.65%	50,252	55,811	90.04%	50,340	100.18%	50,340	0.00%
Conferences	6430.006	19,056	24,460	77.91%	15,310	24,630	62.16%	25,910	169.24%	25,910	0.00%
Business meetings	6440.006	2,947	3,200	92.09%	5,771	3,200	180.34%	3,450	59.78%	3,450	0.00%
<i>Total Travel & Meetings</i>		55,193	113,525	48.62%	71,333	83,641	85.28%	79,700	111.73%	79,700	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Instruments	6220.006	29,398	74,860	39.27%	0	10,000	0.00%	8,000	∞	8,000	0.00%
Boiler Repairs	6230.006	3,900	4,397	88.70%	1,586	0	∞	3,900	245.90%	4,500	15.38%
Lab Equipment	6240.006	4,151	12,260	33.86%	16,356	13,750	118.95%	15,000	91.71%	15,450	3.00%
Pretreatment	6245.004	0	0	∞	49,381	41,000	120.44%	50,000	101.25%	50,000	0.00%
Headworks - Primary	6250.006	935	17,750	5.27%	1,455	7,750	18.77%	4,750	326.46%	4,895	3.05%
IPS/EPS/DAF	6260.006	2,536	14,500	17.49%	209	8,400	2.49%	5,700	2727.27%	5,700	0.00%
Effluent/Outfall		0	0	∞	11,924	9,500	125.52%	25,000	209.66%	35,000	40.00%
Disinfection (Hypo/SBS/CDC)	6270.006	7,559	20,000	37.80%	12,609	33,000	38.21%	22,000	174.48%	22,000	0.00%
Solids Trmt (Dewatering/DIG)	6280.006	9,154	17,500	52.31%	38,794	63,100	61.48%	48,000	123.73%	67,000	39.58%
Plant Valves	6290.006	953	15,000	6.36%	0	0	∞	0	∞	0	∞
Aeration - Secondary	6300.006	20,534	18,000	114.08%	28,560	100,500	28.42%	47,000	164.57%	47,000	0.00%
Demolition	6310.006	0	0	∞	0	0	∞	0	∞	0	∞
Plant Utilities(IPS/3PS/StormF	6315.004	0	0	∞	3,248	82,000	3.96%	50,000	1539.41%	50,000	0.00%
Buildings	6320.006	10,850	50,000	21.70%	2,153	30,000	7.18%	30,000	1393.40%	80,000	166.67%
<i>Total Maint & Repairs</i>		356,697	839,267	42.50%	302,020	814,000	37.10%	598,350	198.12%	814,545	36.13%
<i>Utilities</i>											
Electricity	6352.006	272,231	329,760	82.55%	326,548	349,790	93.36%	374,650	114.73%	388,480	3.69%
Co-Gen Non Energy	6359.006	549	0	∞	843	0	∞	0	0.00%	0	∞
Gas	6360.006	53,065	37,400	141.89%	48,349	45,200	106.97%	46,962	97.13%	48,792	3.90%
Propane	6370.006	2,643	2,300	114.89%	638	1,600	39.88%	1,800	282.13%	1,850	2.78%
Water	6380.006	11,417	16,235	70.32%	11,041	16,690	66.15%	14,090	127.62%	14,430	2.41%
Garbage	6385.006	600	1,075	55.78%	711	2,675	26.58%	2,175	305.91%	3,175	45.98%
Cable television	6390.006	955	700	136.45%	979	950	103.05%	1,000	102.15%	1,050	5.00%
<i>Total Utilities</i>		341,460	387,470	88.13%	389,109	416,905	93.33%	440,677	113.25%	457,777	3.88%
<i>Telephone</i>											
Fixed Costs	6392.006	35,076	34,000	103.17%	28,658	27,500	104.21%	39,345	137.29%	39,445	0.25%
Cellular Phones	6393.006	7,850	13,620	57.64%	7,496	10,800	69.41%	10,750	143.41%	11,385	5.91%
Repair to Lines	6394.006	9,646	1,000	964.58%	54	2,000	2.70%	0	0.00%	0	∞
<i>Total Telephone</i>		52,573	48,620	108.13%	36,208	40,300	89.85%	50,095	138.35%	50,830	1.47%
<i>Travel & Training</i>											
Employee Training	6420.006	33,190	85,865	38.65%	50,252	55,811	90.04%	50,340	100.18%	50,340	0.00%
Conferences	6430.006	19,056	24,460	77.91%	15,310	24,630	62.16%	25,910	169.24%	25,910	0.00%
Business meetings	6440.006	2,947	3,200	92.09%	5,771	3,200	180.34%	3,450	59.78%	3,450	0.00%
<i>Total Travel & Meetings</i>		55,193	113,525	48.62%	71,333	83,641	85.28%	79,700	111.73%	79,700	0.00%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Permitting											
State Water Resource Control	6470.005	2,614	2,400	108.90%	4,500	2,500	180.00%	2,700	60.00%	2,800	3.70%
MUAPCB	6480.005	3,021	3,200	94.41%	5,470	3,250	168.31%	3,250	59.41%	3,250	0.00%
Regional Water Quality Board	6470.006	20,011	25,000	80.05%	30,199	25,000	120.80%	25,000	82.78%	30,000	20.00%
Central Coast RWQCB	6475.006	0	9,800	∞	0	20,000	0.00%	0	∞	0	∞
Air Pollution Control Permit	6480.006	0	6,970	0.00%	13,175	4,000	329.38%	6,500	49.34%	5,300	-18.46%
Air Resources Board-PERP	6485.006	3,960	500	792.00%	0	0	∞	0	∞	0	∞
Environmental Health Permit	6490.006	1,734	2,000	86.70%	0	3,800	0.00%	3,800	∞	3,800	0.00%
Dept. Food & Ag	6505.006	7,100	0	∞	12,171	7,000	173.87%	7,100	58.34%	7,100	0.00%
Lab Registration Fees	6510.006	2,221	4,745	46.81%	4,569	4,500	101.53%	12,162	266.19%	12,527	3.00%
<i>Total Permitting</i>		40,661	54,615	74.45%	70,084	70,050	100.05%	60,512	86.34%	64,777	7.05%
Membership/Subscriptions											
Employee Certification	6550.006	3,154	7,170	43.99%	2,875	2,900	99.14%	4,250	147.83%	3,350	-21.18%
CWEA	6560.006	3,517	2,890	121.70%	3,600	3,950	91.14%	4,100	113.89%	4,100	0.00%
No. Am Soc for Trenchless	6565.005	0	0	∞	0	0	∞	600	∞	600	0.00%
CASA	6570.006	13,370	13,000	102.85%	23,489	13,250	177.28%	23,722	100.99%	24,552	3.50%
WEF	6580.006	984	650	151.38%	0	1,580	0.00%	1,020	∞	1,020	0.00%
Lab memberships	6585.006	150	0	∞	64	300	∞	500	781.25%	500	0.00%
WateReuse	6600.006	0	250	0.00%	0	700	0.00%	300	∞	300	0.00%
Other		12,476	11,475	108.72%	22,027	11,675	188.67%	13,377	60.73%	13,532	1.16%
Subscriptions/Publications	6640.006	4,517	3,350	134.83%	654	2,950	22.17%	4,950	756.88%	5,150	4.04%
<i>Total Membership/Subscrip.</i>		38,168	38,785	98.41%	52,709	37,305	141.29%	52,819	100.21%	53,105	0.54%
Safety											
First Aid Supplies	6710.006	77	120	64.48%	786	0	∞	100	12.72%	100	0.00%
First Aid/Medical Services	6720.006	0	1,400	0.00%	0	1,900	0.00%	1,250	∞	1,900	52.00%
Fire Extinguisher Service	6730.006	2,767	3,150	87.84%	5,101	1,820	280.27%	3,800	74.50%	3,820	0.53%
Safety Supplies/Emerg Respon:	6735.006	7,809	9,700	80.50%	7,799	14,200	54.92%	10,000	128.22%	11,500	15.00%
Emergency Response Supplies	6740.006	10,662	3,500	304.63%	4,692	6,960	67.41%	4,960	105.71%	4,960	0.00%
Uniforms/Boots/Gear	6750.006	4,212	7,100	59.33%	4,753	8,500	55.92%	5,130	107.93%	6,630	29.24%
Safety Training	6760.006	30,750	33,335	92.25%	29,249	28,975	100.95%	26,075	89.15%	31,075	19.18%
Policy & Procedures	6770.004	2,000	2,740	72.99%	8,381	5,000	167.62%	3,000	35.80%	5,000	66.67%
<i>Total Safety Expenses</i>		58,278	61,045	95.47%	60,761	67,355	90.21%	54,315	89.39%	64,985	19.64%

**Carmel Area Wastewater District
Consolidated Departmental Operating Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
<i>Other Expenses</i>											
LAFCO Admin Fee	6520.007	24,302	24,052	101.04%	33,243	19,392	171.43%	22,000	66.18%	24,000	9.09%
Rate Payer Claims	8930.007	976	2,500	39.03%	0	2,500	0.00%	2,500	∞	2,500	0.00%
CAWD Newsletter	8940.007	31,249	28,500	109.65%	31,000	30,210	102.62%	32,000	103.23%	33,500	4.69%
Recruitment	8910.006	13,155	15,000	87.70%	120	10,000	1.20%	10,000	8333.33%	10,000	0.00%
Legal notices	8920.006	923	4,000	23.06%	704	4,200	16.76%	4,200	596.59%	4,200	0.00%
Miscellaneous	8989.006	0	112,400	0.00%	0	50,000	0.00%	0	∞	50,000	#DIV/0!
Contingency	8980.004	0	282,150	0.00%	0	297,935	0.00%	0	∞	167,008	∞
<i>Total Other Expense</i>		70,604	468,602	15.07%	65,067	414,237	15.71%	70,700	108.66%	291,208	311.89%
CAWD Subtotal		5,481,734	7,319,603	74.89%	6,761,935	8,141,065	83.06%	7,822,030	115.68%	8,627,096	10.29%
Reclamation Project		560,639	457,133	122.64%	606,510	471,938	128.51%	541,645	89.31%	560,413	3.47%
Final Subtotal		6,042,374	7,776,736	77.70%	7,368,445	8,613,003	85.55%	8,363,675	113.51%	9,187,509	9.85%
Depreciation Expense		2,489,149	2,669,000	93.26%	2,669,000	2,669,000	100.00%	2,669,000	100.00%	2,669,000	0.00%
Amortization Expense		0	4,860	0.00%	4,860	4,860	100.00%	4,860	100.00%	4,860	0.00%
Total Operating Expense		8,531,523	10,450,596	81.64%	10,042,305	11,286,863	88.97%	11,037,535	109.91%	11,861,369	7.46%

O & M Budget

Maintenance – Field

**Carmel Area Wastewater District
Maintenance - Field: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			2019-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Salaries	5030.003	13,576	0	0	0	0	0	0	0	0		
Salaries - Overtime	5035.003	523	0	0	0	0	0	0	0	0		
<i>Total Salaries</i>		14,099	0	0	0	0	0	0	0	0		
Payroll Taxes	5045.003	1,077	0	0	0	0	0	0	0	0		
<i>Total Payroll Taxes</i>		1,077	0	n/a	0	0	0	0	0	0		
Fuelmaster software	5325.003	440	0	0	0	0	0	0	0	0		
Oil & Grease	5330.003	0	2,000	0.00%	0	0	0	0	0	0		
Tires, Batteries, Service	5340.003	976	500	195.25%	0	0	0	0	0	0		
Outside Repair Service	5345.003	7,261	5,000	145.22%	0	0	0	0	0	0		
Repair Parts	5350.003	2,068	5,000	41.35%	0	0	0	0	0	0		
Tools	5355.003	0	500	0.00%	0	0	0	0	0	0		
Vehicle Accessories	5360.003	448	0	0	0	0	0	0	0	0		
Paint & fluids	5420.003	180	0	0	0	0	0	0	0	0		
Waste oil & coolants disposal	5440.003	0	300	0.00%	0	0	0	0	0	0		
<i>Total Trucks & Autos</i>		11,373	13,300	85.51%	0	0	0	0	0	0		
<i>Operating Supplies</i>												
Electrical Supplies	5690.003	10,278	15,000	68.52%	0	0	0	0	0	0		
General supplies	5790.003	0	10,000	0.00%	0	0	0	0	0	0		
<i>Total Operating Supplies</i>		10,278	25,000	41.11%	0	0	0	0	0	0		
<i>Contractual Services</i>												
Laundry	5940.003	0	400	0.00%	0	0	0	0	0	0		
Electrical Services	5855.003	188	20,000	0.94%	0	0	0	0	0	0		
Equipment Rental	5890.003	1,316	0	0	0	0	0	0	0	0		
<i>Total Contractual Services</i>		1,503	20,400	7.37%	0	0	0	0	0	0		
<i>Repairs & Maintenance</i>												

**Carmel Area Wastewater District
Maintenance - Field: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			2019-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
General Repairs	6095.003	806	0	∞	0	0	∞	0	∞	0	∞	
Pump station equipment	6120.003	2,492	20,000	12.46%	0	0	∞	0	∞	0	∞	
Generators	6140.003	280	15,000	1.87%	0	0	∞	0	∞	0	∞	
Buildings	6320.003	1,787	0	∞	0	0	∞	0	∞	0	∞	
<i>Total Maint & Repairs</i>		5,366	35,000	15.33%	0	0	∞	0	∞	0	∞	
Safety												
First Aid Supplies	6710.003	0	20	0.00%	0	0	∞	0	∞	0	∞	
First Aid/Medical Services	6720.003	0	50	0.00%	0	0	∞	0	∞	0	∞	
Fire Extinguisher Service	6730.003	0	500	0.00%	0	0	∞	0	∞	0	∞	
Safety Supplies/Emerg Response	6735.003	27	500	5.48%	0	0	∞	0	∞	0	∞	
Safety Training	6760.003	4,274	2,000	213.70%	0	0	∞	0	∞	0	∞	
<i>Total Safety Expenses</i>		4,301	3,070	140.11%	0	0	∞	0	∞	0	∞	
Contingency	8980.003	0	3,855	0.00%	0	0	∞	0	∞	0	∞	
Subtotal Operating Expense		47,998	100,625	47.70%	0	0	∞	0	∞	0	∞	
Total Operating Expense		47,998	100,625	47.70%	0	0	∞	0	∞	0	∞	

O & M Budget

Maintenance – Plant

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Salaries	5030.004	413,443	456,950	90.5%	460,562	487,461	94.5%	546,310	118.62%	572,536	4.80%	i
Salaries - Overtime	5035.004	4,554	0	∞	4,121	20,000	20.6%	10,000	242.66%	10,000	0.00%	
<i>Total Salaries</i>		417,997	456,950	91.5%	464,683	507,461	91.6%	556,310	119.72%	582,536	4.71%	
Payroll Taxes	5045.004	30,976	34,957	88.6%	35,463	37,260	95.2%	42,560	120.01%	44,564	4.71%	
Allocation to Reclamation												
<i>Total Payroll Taxes</i>		30,976	34,957	88.6%	35,463	37,260	95.2%	42,560	120.01%	44,564	4.71%	
<i>Employee Benefits:</i>												
Health insurance	5070.004	39,917	71,976	55.5%	37,447	34,585	108.3%	61,565	164.41%	70,286	14.17%	ii
Retirement Plan - CalPERS	5080.004	38,405	39,034	98.4%	48,766	38,875	125.4%	49,932	102.39%	57,083	14.32%	iii
Pension Contribution - SAM	5090.004	(55,776)	17,231	-323.7%	0	12,630	0.0%	0	∞	0	∞	
Workers Compensation	5100.004	20,375	18,813	108.3%	24,230	27,600	87.8%	24,159	99.71%	25,420	5.22%	iv
Life Insurance	5110.004	1,580	925	170.8%	1,758	1,530	114.9%	1,782	101.37%	1,782	0.00%	
PEHP	5120.004	5,960	4,720	126.3%	7,194	6,245	115.2%	6,980	97.03%	7,295	4.51%	
Dental Insurance/Claims	5130.004	5,933	3,659	162.1%	5,112	3,600	142.0%	6,400	125.20%	6,400	0.00%	v
Vision Insurance	5140.004	1,320	900	146.7%	1,649	900	183.2%	1,152	69.86%	1,150	-0.17%	
Long Term Disability	5150.004	4,021	4,200	95.7%	4,708	4,480	105.1%	5,026	106.75%	5,280	5.05%	
HSA contributions	5160.004	7,458	0	∞	8,694	11,505	75.6%	9,725	111.86%	9,020	-7.25%	vi
HRA contributions	5165.004	30	0	∞	0	0	∞	170	∞	105	-38.24%	
Employee Assistance Program	5180.004	792	475	166.7%	1,357	795	170.7%	815	60.06%	840	3.07%	vii
Employee Awards	5185.004	144	0	∞	0	0	∞	0	∞	0	∞	
Annual District picnic	5186.004	60	0	∞	0	0	∞	0	∞	0	∞	
Employee lunches	5187.004	331	0	∞	171	300	57.0%	0	0.00%	0	∞	
Medical Exams	5200.004	746	0	∞	4,660	500	932.0%	0	0.00%	0	∞	
Allocate to Reclamation	5205.004	(21,720)	(800)	2715.0%	(23,575)	(800)	2946.9%	(15,000)	63.63%	(15,000)	0.00%	
<i>Total Employee Benefits</i>		49,575	161,133	30.8%	122,171	142,745	85.6%	152,706	124.99%	169,661	11.10%	
<i>Trucks & Autos</i>												
Gasoline	5310.004	1,495	1,200	124.6%	0	1,200	0.0%	1,200	∞	1,200	0.00%	a
Diesel	5320.004	856	1,000	85.6%	0	200	0.0%	200	∞	200	0.00%	b
Fuelmaster software	5325.004	110	0	∞	189	0	∞	0	0.00%	0	∞	c
Oil & Grease	5330.004	87	200	43.5%	199	200	99.5%	300	150.75%	300	0.00%	d
Tires, Batteries, Service	5340.004	1,067	1,500	71.1%	774	1,500	51.6%	1,000	129.20%	1,000	0.00%	e

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Outside Repair Service	5345.004	681	3,000	22.7%	603	3,000	20.1%	3,000	497.51%	3,000	0.00%	f
Repair Parts	5350.004	71	1,500	4.7%	964	1,000	96.4%	600	62.24%	600	0.00%	g
Tools	5355.004	25	6,000	0.4%	0	2,000	0.0%	300	∞	300	0.00%	h
Vehicle Accessories	5360.004	0	6,000	0.0%	0	500	0.0%	100	∞	100	0.00%	i
Driver medical exams	5370.004	0	0	∞	0	0	∞	170	∞	170	0.00%	j
Smog Check - Vehicles	5380.004	198	240	82.6%	206	240	85.8%	200	97.09%	200	0.00%	k
Cleaning & detailing	5410.004	0	0	∞	0	1,000	0.0%	600	∞	600	0.00%	m
Paint & fluids	5420.004	261	40	653.1%	0	500	0.0%	0	∞	0	∞	n
Waste oil & coolants disposal	5440.004	0	800	0.0%	0	500	0.0%	200	∞	200	0.00%	p
<i>Total Trucks & Autos</i>		4,851	21,480	22.6%	2,935	11,840	24.8%	7,870	268.14%	7,870	0.00%	
<i>Property/Liability/Auto Insurance</i>												
Auto insurance	5450.004	10,639	0	∞	20,926	300	698.7%	13,200	63.08%	14,250	7.95%	q
<i>Engineering Fees</i>												
Consulting Fees	5500.004	0	0	∞	0	0	∞	75,000	∞	0	∞	r
<i>Office Supplies & Service</i>												
Computers & Equip	5540.004	3,530	3,000	117.7%	17,467	2,500	698.7%	5,000	28.63%	3,000	-40.00%	s
Furnishings & fixtures	5545.004	699	300	∞	0	500	∞	300	∞	300	0.00%	t
Paper & printing	5550.004	154	300	51.5%	224	300	74.7%	300	133.93%	300	0.00%	u
Postage & shipping	5560.004	13	500	2.5%	8	100	8.0%	100	1250.00%	100	0.00%	v
Office supplies	5570.004	358	250	143.3%	837	300	279.0%	550	65.71%	700	27.27%	w
<i>Total Office Supplies & Svc.</i>		4,755	4,350	109.3%	18,536	3,700	501.0%	6,250	33.72%	4,400	-29.60%	
<i>Operating Supplies</i>												
Generator fuel	5675.004	0	3,500	0.0%	0	2,000	0.0%	2,500	∞	2,700	8.00%	y
Lubricants & packing	5680.004	171	5,000	3.4%	1,251	1,000	125.1%	500	39.97%	500	0.00%	z
Electrical Supplies	5690.004	51,293	20,000	256.5%	16,266	40,000	40.7%	30,000	184.43%	30,000	0.00%	ab
Paint & fluids	5710.004	1,250	10,000	12.5%	1,447	1,000	144.7%	200	13.82%	200	0.00%	ac
Personnel supplies	5740.040	1,372	2,000	68.6%	178	0	∞	0	0.00%	0	∞	ae
Radios & supplies	5745.004	0	0	∞	1,773	1,000	177.3%	400	22.56%	400	0.00%	af
Welding	5750.004	707	1,000	70.7%	76	1,000	7.6%	500	657.89%	500	0.00%	ag
Hand tools	5780.004	8,734	7,800	112.0%	7,969	5,000	159.4%	5,000	62.74%	5,000	0.00%	ah
General supplies	5790.004	20,975	15,000	139.8%	16,428	15,000	109.5%	12,000	73.05%	12,000	0.00%	ai

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
<i>Total Operating Supplies</i>		84,502	64,300	131.4%	45,388	66,000	68.8%	51,100	112.58%	51,300	0.39%	
<i>Contractual Services</i>												
Network Services	5830.004	6,705	0	<u>∞</u>	1,620	0	<u>∞</u>	10,000	617.28%	10,000	0.00%	aj
Microturbine/Gas Conditioning Service	5850.004	653	6,500	10.0%	35,449	3,000	1181.6%	3,000	8.46%	3,000	0.00%	ak
Electrical Service	5855.004	268,937	245,000	109.8%	118,668	150,000	79.1%	120,000	101.12%	120,000	0.00%	al
Mechanical Service	5856.004	0	0	<u>∞</u>	0	60,000	0.0%	25,000	<u>∞</u>	30,000	20.00%	am
HVAC Service	5857.004	0	0	<u>∞</u>	0	25,000	0.0%	20,000	<u>∞</u>	25,000	25.00%	an
Systems Integrator	5858.004	0	0	<u>∞</u>	195,082	200,000	97.5%	225,000	115.34%	250,000	11.11%	ao
Equipment service (carts, lifts, forklift, boiler)	5859.004	0	0	<u>∞</u>	518	12,000	4.3%	3,000	579.15%	3,000	0.00%	ap
HR Consulting	5885.004	6,586	0	<u>∞</u>	6,810	11,100	61.4%	11,100	163.00%	11,100	0.00%	ar
Equipment rental	5890.004	2,696	0	<u>∞</u>	0	7,000	0.0%	5,000	<u>∞</u>	5,000	0.00%	as
Janitorial	5900.040	10,860	11,000	98.7%	10,860	11,000	98.7%	11,000	101.29%	11,000	0.00%	at
Laundry	5940.004	3,594	4,250	84.6%	3,359	3,500	96.0%	3,600	107.17%	3,600	0.00%	au
Landscape Maintenance	5980.004	5,820	6,000	97.0%	6,603	6,000	110.1%	8,000	121.16%	8,000	0.00%	av
Plant tree trimming	5982.004	0	10,000	0.0%	3,857	70,000	5.5%	180,000	4666.84%	70,000	-61.11%	aw
Hazard/Green Waste Disposal	5990.004	0	1,000	0.0%	78	1,000	7.8%	0	0.00%	0	<u>∞</u>	ax
Pest Control	6010.004	2,696	3,000	89.9%	3,276	3,000	109.2%	3,000	91.58%	3,000	0.00%	az
Instrument maintenance	6020.004	205	0	<u>∞</u>	1,063	1,000	106.3%	1,000	94.07%	1,000	0.00%	ba
Hoist Certification	6030.004	2,070	3,000	69.0%	0	2,500	0.0%	2,700	<u>∞</u>	2,700	0.00%	bb
Fuel tank filtering & cleaning	6035.004	3,540	0	<u>∞</u>	0	2,500	0.0%	0	<u>∞</u>	0	<u>∞</u>	bc
<i>Total Contractual Services</i>		314,362	289,750	108.5%	387,243	568,600	68.1%	631,400	163.05%	556,400	-11.88%	
<i>Repairs & Maintenance</i>												
General Repairs	6095.004	73,419	180,000	40.8%	30,660	50,000	61.3%	40,000	130.46%	40,000	0.00%	bi
Motors	6150.004	0	14,000	0.0%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	bj
Microturbine R & M	6160.004	13,741	5,000	274.8%	8,164	10,000	81.6%	10,000	122.49%	10,000	0.00%	bk
Plant Pumps	6190.004	2,436	35,000	7.0%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	bn
Standby Generator	6200.004	2,793	10,000	27.9%	60	15,000	0.4%	5,000	8333.33%	15,000	200.00%	bo
Control Panels	6210.004	27,803	120,000	23.2%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	bp
Instruments	6220.004	23,749	50,000	47.5%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	bq
Boiler Repairs	6230.004	3,900	4,397	88.7%	1,586	0	<u>∞</u>	3,900	245.90%	4,500	15.38%	br
Pretreatment (Influent/Headworks/Primary)	6245.004	0	0	<u>∞</u>	49,381	41,000	120.4%	50,000	101.25%	50,000	0.00%	bt

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Primary Treatment	6250.004	231	10,000	2.3%	361	0	∞	0	0.00%	0	∞	bu
IPS/EPS/DAF	6260.004	0	10,000	0.0%	(5)	0	∞	0	0.00%	0	∞	bv
Effluent/Outfall	6265.004	0	0	∞	0	0	∞	20,000	∞	30,000	50.00%	bw
Disinfection (Hypo/SBS/CDC)	6270.004	2,632	10,000	26.3%	6,288	25,000	25.2%	15,000	238.55%	15,000	0.00%	bx
Solids Trmt (Dewatering/DAF/Digester)	6280.004	6,163	15,000	41.1%	37,874	55,000	68.9%	40,000	105.61%	60,000	50.00%	by
Plant Valves	6290.004	953	15,000	6.4%	0	0	∞	0	∞	0	∞	bz
Secondary Treatment	6300.004	16,815	15,000	112.1%	16,543	90,000	18.4%	40,000	241.79%	40,000	0.00%	ca
Plant Utilities (1PS/3PS/StormPS/Switchgear)	6315.004	0	0	∞	3,248	82,000	4.0%	50,000	1539.41%	50,000	0.00%	cc
Buildings	6320.004	7,961	50,000	15.9%	2,153	30,000	7.2%	30,000	1393.40%	80,000	166.67%	cd
<i>Total Maint & Repairs</i>		182,596	543,397	33.6%	156,313	398,000	39.3%	303,900	194.42%	394,500	29.81%	
<i>Utilities</i>												
Telephone - fixed costs	6392.004	3,677	0	∞	3,377	1,500	225.1%	4,000	118.45%	4,000	0.00%	cf
Telephone - Cell service	6393.004	510	1,720	∞	399	600	66.5%	600	150.38%	700	16.67%	cg
Telephone - Repairs & Equipment	6394.004	2,063	0	∞	0	0	∞	0	∞	0	∞	ch
<i>Total Utilities</i>		6,250	1,720	363.3%	3,776	2,100	179.8%	4,600	121.82%	4,700	2.17%	
<i>Travel & Training</i>												
Employee Training	6420.004	5,172	14,130	36.6%	5,625	10,000	56.3%	7,000	124.44%	7,000	0.00%	ci
Conferences	6430.004	3,355	5,100	65.8%	1,396	2,000	69.8%	2,000	143.27%	2,000	0.00%	cj
Business meetings	6440.004	415	400	103.7%	506	400	126.5%	400	79.05%	400	0.00%	ck
<i>Total Travel & Meetings</i>		8,941	19,630	45.5%	7,527	12,400	60.7%	9,400	124.88%	9,400	0.00%	
<i>Permitting</i>												
Central Coast RWQCB	6475.004	0	2,000	0.0%	0	0	∞	0	∞	0	∞	cm
Air Pollution Control Permit	6480.004	0	4,400	0.0%	8,049	0	∞	6,500	80.76%	5,300	-18.46%	cn
<i>Total Permitting</i>		0	6,400	0.0%	8,049	0	∞	6,500	80.76%	5,300	-18.46%	
<i>Membership/Subscriptions</i>												
Employee Certification	6550.004	1,316	1,470	89.5%	847	1,200	70.6%	1,200	141.68%	1,400	16.67%	cr
CWEA	6560.004	1,034	540	191.5%	1,310	600	218.3%	600	45.80%	600	0.00%	cs
WEF	6580.004	0	0	∞	0	360	0.0%	0	∞	0	∞	ct
Maintenance Dept. memberships	6595.004	360	0	∞	0	0	∞	0	∞	0	∞	cu
MDS Online	6605.004	2,329	0	∞	0	0	∞	2,400	∞	2,600	8.33%	cv

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Subscriptions/Publications	6640.004	0	300	0.0%	0	200	0.0%	0	∞	0	∞	cw
<i>Total Membership/Subscrip.</i>		5,039	2,310	218.1%	2,157	2,360	91.4%	4,200	194.71%	4,600	9.52%	
<i>Safety</i>												
First Aid Supplies	6710.004	0	100	0.0%	749	0	∞	100	13.35%	100	∞	cx
First Aid/Medical Services	6720.004	0	50	0.0%	0	900	0.0%	750	∞	900	20.00%	cy
Fire Extinguisher Service	6730.004	0	1,000	0.0%	4,479	1,200	373.3%	3,000	66.98%	3,200	6.67%	cz
Safety Supplies/Emerg Response	6735.004	2,029	2,200	92.2%	6,402	10,700	59.8%	6,500	101.53%	7,500	15.38%	da
Emergency Response Supplies	6740.004	0	0	∞	3,450	5,000	69.0%	3,000	86.96%	3,000	0.00%	db
Uniforms/Boots/Gear	6750.004	748	1,600	46.7%	2,918	6,000	48.6%	3,000	102.81%	4,000	33.33%	dc
Safety Training	6760.004	11,566	11,115	104.1%	16,182	23,400	69.2%	20,000	123.59%	25,000	25.00%	dd
Policies and procedures	6770.004	2,000	2,740	∞	1,905	5,000	38.1%	3,000	157.48%	5,000	66.67%	de
<i>Total Safety Expenses</i>		16,342	18,805	86.9%	36,085	52,200	69.1%	39,350	109.05%	48,700	23.76%	
<i>Other Expenses</i>												
Recruitment	8910.004	0	5,000	0.0%	0	0	∞	5,000	∞	5,000	0.00%	df
Contingencies	8980.004	0	65,210	∞	0	71,200	0.0%	0	∞	36,660	∞	dg
<i>Total Other Expense</i>		0	70,210	0.0%	0	71,200	0.0%	5,000	∞	41,660	733.20%	
Subtotal Operating Expense		1,136,825	1,695,392	67.05%	1,311,252	1,876,166	69.9%	1,834,346	139.89%	1,939,841	5.75%	
Total Operating Expense		1,136,825	1,695,392	67.05%	1,311,252	1,876,166	69.9%	1,834,346	139.89%	1,939,841	5.75%	

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Note

<u>No.</u>	<u>Description</u>	<u>Comments</u>
i	Salaries	20-21 COLA \$4.1%; 21-22 COLA 4.0%, plus step increases
ii	Health insurance	Blue Cross Base plan Lumenos 3000 PPO; EE share 100%, ER share 90% ; 9% increase in premium cost each calendar year Classic 8.794% and PEPRA 7.732% contribution; 20-21 UAL Classic \$30,706 and PEPRA \$5,112; 21-22 UAL Classic \$42,418 and PEPRA \$5,252
iii	Retirement Plan - CalPERS	
iv	Workers Compensation	Assumes experience mod factor of 1.03 for both budget years
v	Dental Insurance/Claims	Five year average \$4,274
vi	HSAs contributions	HSA EE only \$200/mo, EE+1 \$325/mo, EE+Family \$400/mo
vii	Employee Assistance Program	Assumes 3% increase for each budget year
a	Gasoline	Fuel for plant vehicles. Reconciled at year end since collections orders fuel.
b	Diesel	Diesel for portable pumps, boom lift and other plant equipment.
c	Fuelmaster software	Included in collections budget.
d	Oil & Grease	Oil for plant equipment that is serviced in-house such as yard mule. Coolant and brake fluid for topping off vehicles.
e	Tires, Batteries, Service	New battery for plant equipment or truck. New set of tires for one truck.
f	Outside Repair Service	Preventative maintenance for plant vehicles provided by outside vendor. Oil change, inspection, transmission service, rear differential service.
g	Repair Parts	Minor repair parts for plant vehicles that are repaired in-house such as wiper blades.
h	Tools	Vehicle testers and hand tools for working on vehicles.
i	Vehicle Accessories	Minor items such as radio charger, tie downs, etc.
j	Driver medical exams	DMV requires a medical exam every two years for all Commercial drivers / Random drug screening \$109.20 per year for 1 employees plus one te
k	Smog Check - Vehicles	Even year VIN number vehicles due. 3 vehicles at \$60 each.
l	DMV fees	No new on road vehicles budgeted for purchase.
m	Cleaning & detailing	Detail 3 vehicles once per year at \$200 each to keep paint in good condition.
n	Paint & fluids	Not used. Included in GL 5330.4.
o	Employee mileage reimbursement	Not used. Staff encouraged to utilize CAWD vehicles for travel.
p	Waste oil & coolants disposal	Disposal pick up of waste oil containers.
q	Auto insurance	Estimate approx 8% premium increase per year
r	Engineering Fees	Update Stormwater Pollution Protection Plan
s	Computers & Equip	Printer for Karla and Mark
t	Furnishings & fixtures	Chair for one staff member
u	Paper & printing	Printing of plans, specs, O&M documents. Printer supplies for label makers.
v	Postage & shipping	Shipping for oil analysis and gas analysis for equipment.
w	Office supplies	Binders, tape, pens, paperclips.
y	Generator fuel	Diesel for plant standby equipment and plant offroad equipment. Increased due to anticipation of more PG&E outages due to fire prevention.
z	Lubricants & packing	Grease for pumps, bearings and motors.
aa	Microturbine	Gas conditioning system maintenance and maintenance parts for microturbine support equipment.
ab	Electrical Supplies	Electrical wire, conduit and fittings. Amount was reduced due to many repairs that were completed in last 2 years.
	Laboratory	
ac	Paint & fluids	Misc paint for touch up of equipment and buildings.
ad	Janitorial	Janitorial is contracted out. Not used.
ae	Personnel supplies	Cost captured under 6735.4.
af	Radios & supplies	Replacement radio parts and batteries.
ag	Welding	Welding rod, gas, tips, hoses and other consumables.
ah	Hand tools	Wrenches, valve maintenance tools and sheetmetal brake/shear for maintenance shop (\$1200).

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Note

<u>No.</u>	<u>Description</u>	<u>Comments</u>
ai	General supplies	Hardware, threaded rod, metal, blasting media
aj	Network Services	Exceedio and other software specific vendors
ak	Microturbine/Gas Conditioning Service	Service and maintenance of chiller and gas conditioning system.
al	Electrical Service	Electrical service for influent, effluent and treatment plant. Removal of old wiring and conduit and documentation of existing wiring and conduit
am	Mechanical Service	Replacement of piping and valves. Installation of mixing system in effluent wetwell.
an	HVAC Service	Service and maintenance of exhaust fans, supply fans and air conditioning equipment.
ao	Systems Integrator	Update PLC programming to CAWD standards and improve process control. Migration of effluent PLC5 and Microturbine building PLC.
ap	Equipment service (carts, lifts, forklift, boiler)	Service by vendor of forklift, boom lift and carts.
ar	HR Consulting	HR consulting services for maintenance staff.
as	Equipment rental	Rental of crane. Roughly \$1000 per visit and multiple items are grouped together to maximize travel time.
at	Janitorial	Cleaning and maintenance of plant buildings and restrooms.
au	Laundry	5 staff members garment service. Includes jackets, pants and shirts.
av	Landscape Maintenance	Weed control and landscape maintenance of the treatment plant.
aw	Plant tree trimming	Trimming of Eucalyptus on the perimeter of the treatment plant. Increased trimming is required per tree trimming study.
az	Pest Control	Rodent control for treatment plant.
ba	Instrument maintenance	Calibration and maintenance of plant instruments
bb	Hoist Certification	Hoists and overhead cranes require inspection and maintenance to keep them safe and operating properly.
bc	Fuel tank filtering & cleaning	Cleaning every other year and analysis every year. Cleaning was completed in FY19/20
bd	Hazardous chemical disposal	Included in OPS budget
be	Outfall inspection	Budgeted under 6265.4 Effluent/Outfall
bi	General Repairs	Repair of equipment such as vaults, gates and fences.
bj	Motors	Not used- Included in functional area
bk	Microturbine R & M	Repair and maintenance of gas conditioning system.
bo	Standby Generator	Oil change, repairs and load testing of plant standby generators.
br	Boiler Repairs	Annual testing and maintenance of the boiler and piping.
bt	Pretreatment (Influent/Headworks/Primary)	Replacement of broken valves, rehabilitation of electrical components.
bw	Effluent/Outfall	Outfall inspection, Effluent equipment repairs and maintenance including piping, instruments and cathodic protection.
bx	Disinfection (Hypo/SBS/CDC)	Sodium Hypochlorite piping and valve repair. Dosing pump rebuilds. CDC rehabilitation.
by	Solids Trmt (Dewatering/DAF/Digester)	Pipe and valve repair in dewatering building, DAFT pump rebuild and electric motor.
ca	Secondary Treatment	Replacement of broken valves and piping rehabilitation. Electrical repair and maintenance. Instrument calibrations and repair.
cc	Plant Utilities (1PS/3PS/StormPS/Switchgear)	3 water pump rebuild and valve repair. Replacement of PVC piping components. Stormwater pump maintenance.
cd	Buildings	Roofing, concrete repair or coating for buildings and cart charging upgrades
ce	Propane	Budgeted under OPS
cf	Telephone - fixed costs	Icon phone cost for staff members.
cg	Telephone - Cell service	Cell service for 2 staff members.
ci	Employee Training	Generator training for Greg and Mike, Safety Leadership for Mark, PLC training for Greg and Mike. Karla asset management training.
cj	Conferences	Local conferences- Maximum 1 or 2 days
ck	Business meetings	Meetings to discuss department strategic goals and internal department training
cl	Treatment Plant Permits	Budgeted under OPS
cm	Central Coast RWQCB	Budgeted under OPS
cn	Air Pollution Control Permit	Permit for assets that are monitored under local air board.
co	Air Resources Board-PERP	Assets now included in local permit
cp	Environmental Health Permit	Budgeted under OPS

**Carmel Area Wastewater District
Maintenance - Plant: 2020-21 Operating Expense Budget**

Note	<u>No.</u>	<u>Description</u>	<u>Comments</u>
	cq	Underground Storage Permit	Budgeted under OPS
	cr	Employee Certification	New certification and renewal for Maintenance Staff
	cs	CWEA	CWEA membership renewal- 3 employees
	cu	Maintenance Dept. memberships	No memberships required for FY20/21
	cv	MDS Online	Online Safety Data Sheets for plant chemicals- Service
	cw	Subscriptions/Publications	Maintenance, Safety or Asset management subscriptions, manuals or books
	cx	First Aid Supplies	Supplies for first aid kits
	cy	First Aid/Medical Services	Used for NON-workers comp related visits to urgent care (prednisone shots, Hep B testing, diagnosis checks).
	cz	Fire Extinguisher Service	Repair and maintenance of plant fire extinguishers.
	da	Safety Supplies/Emerg Response	Consumable safety items-Nitrile gloves, earplugs, first aid consumables, disaster supplies, includes items from 5740.4 and 5740.6
	db	Emergency Response Supplies	Chemical PPE, confined space gear and winches. Includes maintenance of items.
	dc	Uniforms/Boots/Gear	Semi-durable items Raingear, annual boots, hardhats, arc-flash, purchased vests/coats
	dd	Safety Training	Forklift, Fire Extinguisher, HAZWOPER, CPR, Confined space training for Operations and Maintenance Staff
	de	Policies and procedures	Consultant assistance to update Injury and Illness Prevention Plan (IIPP)
	df	Recruitment	Recruitment of staff if existing staff retire or quit.
	dg	Contingencies	Unidentified projects or costly maintenance items not captured under specific O&M GL - 2%

O & M Budget Collections Dept.

**Carmel Area Wastewater District
Collections Department: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Salaries	5030.005	447,641	436,236	102.61%	554,567	456,565	121.47%	535,131	96.50%	560,166	4.68%	i
Salaries - Overtime	5035.005	17,541	7,200	243.63%	11,257	7,200	156.35%	10,000	88.83%	10,000	0.00%	
Salaries - Standby	5040.005	14,560	14,560	100.00%	16,320	14,560	112.09%	17,400	106.62%	17,400	0.00%	
<i>Total Salaries</i>		479,742	457,996	104.75%	582,144	478,325	121.70%	562,531	96.63%	587,566	4.45%	
Payroll Taxes	5045.005	36,632	35,037	104.55%	42,528	36,570	116.29%	43,035	101.19%	44,950	4.45%	
<i>Employee Benefits:</i>												
Health Insurance	5070.005	74,040	91,771	80.68%	75,921	74,500	101.91%	69,815	91.96%	94,092	34.77%	ii
CalPERS retirement	5080.005	37,894	38,772	97.73%	47,819	40,200	118.95%	48,270	100.94%	54,838	13.61%	iii
SAM retirement	5090.005	(66,227)	10,490	-631.34%	0	10,490	0.00%	0	<u>∞</u>	0	<u>∞</u>	
Worker's Compensation	5100.005	19,452	17,960	108.31%	23,018	25,855	89.03%	21,525	93.51%	24,700	14.75%	iv
Life insurance	5110.005	1,471	1,530	96.15%	1,339	1,530	87.52%	1,527	114.04%	1,555	1.83%	
PEHP insurance	5120.005	6,086	4,510	134.95%	7,560	5,600	135.00%	6,240	82.54%	6,565	5.21%	
Dental reimbursements	5130.005	6,608	6,950	95.08%	5,415	6,900	78.48%	7,300	134.81%	8,800	20.55%	v
Vision insurance	5140.005	1,330	1,500	88.67%	1,512	1,500	100.80%	1,500	99.21%	1,750	16.67%	
Disability insurance	5150.005	3,834	4,013	95.55%	4,521	4,180	108.16%	4,460	98.65%	5,140	15.25%	
HSA contributions	5160.005	4,614	0	<u>∞</u>	7,792	9,540	81.68%	15,460	198.41%	16,520	6.86%	vi
HRA contributions	5165.005	0	0	<u>∞</u>	0	0	<u>∞</u>	170	<u>∞</u>	105	-38.24%	
Employee Assistance Program	5180.005	792	795	99.58%	1,357	795	170.69%	815	60.06%	840	3.07%	vii
Employee Awards	5185.005	0	650	0.00%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Employee lunches	5187.005	405	0	<u>∞</u>	171	300	57.00%	300	175.44%	320	6.67%	
Medical exams	5200.005	1,385	500	276.96%	2,153	500	430.60%	1,200	55.74%	1,200	0.00%	
<i>Total Employee Benefits</i>		91,744	179,441	51.13%	178,578	181,890	98.18%	178,582	100.00%	216,425	21.19%	
<i>Trucks & Autos</i>												
Gasoline	5310.005	2,299	6,750	34.07%	6,199	7,000	88.56%	7,000	112.92%	7,000	0.00%	a
Diesel	5320.005	14,154	1,800	786.32%	19,569	22,000	88.95%	22,000	112.42%	22,000	0.00%	b
Fuelmaster software	5325.005	0	0	<u>∞</u>	754	550	137.09%	560	74.27%	560	0.00%	c
Oil & filters	5330.005	0	0	<u>∞</u>	402	500	80.40%	500	124.38%	500	0.00%	
Tires & batteries	5340.005	0	0	<u>∞</u>	841	2,500	33.64%	3,000	356.72%	3,000	0.00%	
Outside repair service	5345.005	1,556	0	<u>∞</u>	15,418	6,500	237.20%	8,500	55.13%	7,000	-17.65%	
Repair parts	5350.005	1,281	0	<u>∞</u>	598	5,000	11.96%	2,000	334.45%	2,000	0.00%	
Tools	5355.005	0	0	<u>∞</u>	456	500	91.20%	500	109.65%	500	0.00%	
Vehicle accessories	5360.005	750	0	<u>∞</u>	3,294	200	1647.00%	1,500	45.54%	1,500	0.00%	
Driver medical exam	5370.005	0	0	<u>∞</u>	0	1,100	0.00%	0	<u>∞</u>	0	<u>∞</u>	d
Smog fees	5380.005	0	0	<u>∞</u>	206	100	206.00%	400	194.17%	400	0.00%	
DATCO fees	5400.005	866	970	89.23%	996	970	102.68%	2,100	210.84%	2,100	0.00%	e
Cleaning & detailing	5410.005	21	200	10.42%	0	200	0.00%	1,000	<u>∞</u>	1,000	0.00%	

**Carmel Area Wastewater District
Collections Department: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Paint & fluids	5420.005	0	0	∞	18	0	∞	300	1666.67%	300	0.00%	
Waste oil & coolant disposal	5440.005	0	0	∞	0	300	0.00%	300	∞	300	0.00%	
<i>Total Trucks & Autos</i>		26,225	9,720	269.80%	48,751	47,420	102.81%	49,660	101.86%	48,160	-3.02%	
<i>Property/Liability Insurance</i>												
Property Insurance	5450.005	13,619	6,300	216.17%	9,173	6,300	145.60%	6,300	68.68%	6,300	0.00%	
General Liability	5480.005	39,986	15,550	257.14%	27,071	16,000	169.19%	16,000	59.10%	16,000	0.00%	
<i>Total Insurance</i>		53,604	21,850	245.33%	36,244	22,300	162.53%	22,300	61.53%	22,300	0.00%	
<i>Engineering Fees</i>												
Consulting Fees	5500.005	0	55,000	0.00%	54,028	195,000	27.71%	25,000	46.27%	100,000	300.00%	f
<i>Total Engineering Fees</i>		0	55,000	0.00%	54,028	195,000	27.71%	25,000	46.27%	100,000	300.00%	
<i>Office Supplies & Service</i>												
Computers & equipment	5540.005	4,172	1,900	219.58%	7,960	3,800	209.47%	4,800	60.30%	2,800	-41.67%	g
Furnishings & fixtures	5545.005	891	1,000	89.06%	0	200	0.00%	1,000	∞	200	-80.00%	h
Paper & printing	5550.005	2,554	6,500	39.30%	458	6,500	7.05%	2,000	436.68%	2,000	0.00%	i
Postage & shipping	5560.005	12	70	17.27%	0	200	0.00%	200	∞	200	0.00%	j
Office Supplies	5570.005	349	1,100	31.74%	618	1,100	56.18%	1,100	177.99%	1,100	0.00%	k
<i>Total Office Supplies & Svc.</i>		8,051	10,570	76.17%	9,036	11,800	76.58%	9,100	100.71%	6,300	-30.77%	
<i>Operating Supplies</i>												
Electrical Supplies	5690.005	858	500	171.62%	303	400	75.75%	400	132.01%	400	0.00%	m
Paint & fluids	5710.005	1,020	1,000	102.03%	9,998	1,800	555.44%	4,800	48.01%	4,800	0.00%	n
Janitorial Supplies	5730.005	0	320	0.00%	0	300	0.00%	300	∞	300	0.00%	o
Personnel Supplies	5740.005	658	1,000	65.85%	812	0	∞	0	0.00%	0	∞	p
Hand Tools	5780.005	980	1,000	97.95%	701	0	∞	500	71.33%	500	0.00%	q
General Operating Supplies	5790.005	13,800	19,000	72.63%	26,482	18,500	143.15%	22,000	83.08%	18,500	-15.91%	r
<i>Total Operating Supplies</i>		20,403	22,820	89.41%	38,296	21,000	182.36%	28,000	73.11%	24,500	-12.50%	
<i>Contractual Services</i>												
Network Administration	5830.005	12,839	17,100	75.08%	42,705	23,500	181.72%	28,900	67.67%	28,900	0.00%	s
Electrical Services	5855.005	0	0	∞	4,200	50,000	8.40%	20,000	476.19%	30,000	50.00%	
System Integrator	5858.005	0	0	∞	0	20,000	0.00%	20,000	∞	20,000	0.00%	
Root foaming	5865.005	63,322	53,000	119.48%	111,680	64,000	174.50%	65,000	58.20%	65,000	0.00%	u
Pump station monitoring	5870.005	3,569	4,400	81.11%	0	12,600	0.00%	12,000	∞	12,000	0.00%	v
Collect Sys capacity monitor	5875.005	189	9,000	2.10%	0	8,500	0.00%	8,500	∞	8,500	0.00%	w
Alarm systems	5880.005	323	650	49.68%	419	650	64.46%	650	155.13%	650	0.00%	x
HR consulting	5885.005	7,500	0	∞	6,810	11,100	61.35%	9,000	132.16%	11,000	22.22%	y
Equipment rental	5890.005	648	0	∞	0	400	0.00%	400	∞	400	0.00%	
Underground Service Alert	5930.005	3,346	1,250	267.70%	3,188	3,000	106.27%	3,500	109.79%	3,500	0.00%	z

**Carmel Area Wastewater District
Collections Department: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Laundry	5940.005	4,702	6,500	72.33%	4,163	5,000	83.26%	5,500	132.12%	5,500	0.00%	
Other Special Studies	6070.005	0	3,500	0.00%	0	0	∞	0	∞	0	∞	
<i>Total Contractual Services</i>		96,437	95,400	101.09%	173,165	198,750	87.13%	173,450	100.16%	185,450	6.92%	
<i>Repairs & Maintenance</i>												
General Repairs	6095.005	2,404	0	∞	296	0	∞	0	∞	0	∞	
Easements	6100.005	38,879	48,000	81.00%	9,008	35,000	25.74%	35,000	388.54%	35,000	0.00%	aa
Pump stations	6110.005	1,510	4,000	37.76%	240	2,500	9.60%	52,500	21875.00%	2,500	-95.24%	ab
Pump station equipment	6120.005	15,614	14,000	111.53%	17,951	14,000	128.22%	15,000	83.56%	15,000	0.00%	ac
Sewer lines	6130.005	2,115	75,000	2.82%	0	200,000	0.00%	50,000	∞	200,000	300.00%	ad
Manholes	6140.005	53,236	40,000	133.09%	49,032	70,000	70.05%	55,000	112.17%	80,000	45.45%	ae
Generators	6200.005	0	0	∞	1,205	4,000	30.13%	3,500	290.46%	3,500	0.00%	af
Instruments	6220.005	1,012	0	∞	0	1,000	0.00%	1,000	∞	1,000	0.00%	ag
<i>Total Maint & Repairs</i>		115,873	181,000	64.02%	77,732	326,500	23.81%	212,000	272.73%	337,000	58.96%	
<i>Utilities</i>												
<i>Electricity</i>												
8th Ave	6343.005	949	1,220	77.80%	1,095	1,020	107.35%	1,100	100.46%	1,150	4.55%	
Bay & Scenic	6344.005	2,880	2,350	122.57%	2,656	2,827	93.95%	3,000	112.95%	3,030	1.00%	
Monte Verde & 16th	6345.005	1,839	2,105	87.34%	2,045	2,000	102.25%	2,050	100.24%	2,150	4.88%	
Calle La Cruz	6346.005	3,833	4,055	94.53%	6,210	3,698	167.93%	4,000	64.41%	4,200	5.00%	
Hacienda	6347.005	1,111	1,055	105.31%	1,318	1,087	121.25%	1,300	98.63%	1,350	3.85%	
Highlands	6348.005	10,940	13,675	80.00%	14,144	10,648	132.83%	11,000	77.77%	1,200	-89.09%	
<i>Total Electricity</i>		21,553	24,460	88.11%	27,468	21,280	129.08%	22,450	81.73%	13,080	-41.74%	
Gas-	6360.005	685	750	91.32%	524	750	69.87%	800	152.67%	850	6.25%	
Propane	6370.005	2,133	1,800	118.50%	0	900	0.00%	1,100	∞	1,150	4.55%	
Water	6380.005	1,418	1,445	98.11%	1,724	1,500	114.93%	1,600	92.81%	1,700	6.25%	
Garbage	6385.005	0	400	0.00%	0	2,000	0.00%	1,500	∞	2,500	66.67%	ah
<i>Telephone- No Increase</i>												
Fixed Costs	6392.005	10,130	6,700	151.19%	10,556	8,700	121.33%	8,700	82.42%	8,700	0.00%	ai
Cellular Phones	6393.005	3,364	3,500	96.11%	3,551	3,500	101.46%	3,500	98.56%	3,800	8.57%	
<i>Total Telephone</i>		13,494	10,200	132.29%	14,107	12,200	115.63%	12,200	86.48%	12,500	2.46%	
<i>Total Utilities</i>		39,282	39,055	100.58%	43,823	38,630	113.44%	39,650	90.48%	31,780	-19.85%	
<i>Travel & Training</i>												
Employee Training	6420.005	9,096	6,000	151.60%	18,006	15,205	118.42%	15,205	84.44%	15,205	0.00%	
Conferences	6430.005	5,453	4,500	121.17%	3,979	3,100	128.35%	3,100	77.91%	3,100	0.00%	
Business meetings	6440.005	541	800	67.59%	1,754	600	292.33%	850	48.46%	850	0.00%	
<i>Total Travel & Meetings</i>		15,089	11,300	133.53%	23,739	18,905	125.57%	19,155	80.69%	19,155	0.00%	

**Carmel Area Wastewater District
Collections Department: 2020-21 Operating Expense Budget**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
<i>Permits</i>												
Regional Water Quality Control	6470.005	2,614	2,400	108.90%	4,500	2,500	180.00%	2,700	60.00%	2,800	3.70%	
MUAPCB	6480.005	3,021	3,200	94.41%	5,470	3,250	168.31%	3,250	59.41%	3,250	0.00%	
<i>Total permits</i>		5,635	5,600	100.62%	9,970	5,750	173.39%	5,950	59.68%	6,050	1.68%	
<i>Membership/Subscriptions</i>												
Employee Certification	6550.005	649	1,000	64.90%	1,545	1,000	154.50%	1,100	71.20%	1,150	4.55%	
Memberships - CWEA	6560.005	651	750	86.80%	651	750	86.80%	750	115.21%	750	0.00%	aj
No Am Soc for Trenchless	6565.005	0	0	∞	0	0	∞	600	∞	600	0.00%	
Memberships - WEF	6580.005	328	270	121.48%	0	270	0.00%	270	∞	270	0.00%	
Publications/reference works	6640.005	272	300	90.78%	0	0	∞	300	∞	300	0.00%	
<i>Total Membership/Subscrip.</i>		1,900	2,320	81.91%	2,196	2,020	108.71%	3,020	137.52%	3,070	1.66%	
<i>Safety</i>												
First Aid Medical Service	6720.005	0	1,300	0.00%	0	1,000	0.00%	500	∞	1,000	100.00%	
Fire extinguisher service	6730.005	0	420	0.00%	568	420	135.24%	600	105.63%	420	-30.00%	
Safety supplies	6735.005	2,746	3,500	78.45%	1,397	3,500	39.91%	3,500	250.54%	4,000	14.29%	ak
Emergency Response Supplies	6740.005	0	0	∞	1,242	1,960	63.37%	1,960	157.81%	1,960	0.00%	
Uniforms, boots & gear	6750.005	1,223	2,500	48.92%	1,835	2,500	73.40%	2,000	108.99%	2,500	25.00%	
Safety training	6760.005	3,099	5,000	61.98%	7,618	4,575	166.51%	4,575	60.06%	4,575	0.00%	
Policies & procedures	6770.005	0	0	∞	1,905	0	∞	0	∞	0	∞	
<i>Total Safety</i>		7,073	12,720	55.61%	14,565	13,955	104.37%	13,135	90.18%	14,455	10.05%	
<i>Other Expenses</i>												
Legal Notices	8920.005	518	0	∞	267	200	133.50%	200	74.91%	200	0.00%	
Contingency	8980.005	0	47,595	0.00%	0	56,945	0.00%	0	∞	32,183	∞	al
Miscellaneous	8989.005	0	50,000	0.00%	0	50,000	0.00%	0	∞	50,000	∞	am
<i>Total Other Expense</i>		518	97,595	0.53%	267	107,145	0.25%	200	74.91%	82,383	41091.25%	
Subtotal Operating Expense		998,209	1,237,424	80.67%	1,335,062	1,705,960	78.26%	1,384,768	103.72%	1,729,543	24.90%	
Depreciation Expense	8997.005	315,257	335,000	94.11%	335,000	335,000	100.00%	335,000	100.00%	335,000	0.00%	
Total Operating Expense		1,313,466	1,572,424	83.53%	1,670,062	2,040,960	81.83%	1,719,768	102.98%	2,064,543	20.05%	

**Carmel Area Wastewater District
Collection: 2020-21 Operating Expense Budget**

<u>Note No.</u>	<u>Description</u>	<u>Comments</u>
i	Salaries	20-21 COLA \$4.1%; 21-22 COLA 4.0%, plus step increases
ii	Health insurance	Blue Cross Base plan Lumenos 3000 PPO; EE share 100%, ER share 90% ; 9% increase in premium cost each calendar year
iii	Retirement Plan - CalPERS	Classic 8.794% and PEPRA 7.732% contribution; 20-21 UAL Classic \$30,706 and PEPRA \$5,112; 21-22 UAL Classic \$42,418 and PEPRA \$5,252
iv	Workers Compensation	Assumes experience mod factor of 1.03 for both budget years
v	Dental Insurance/Claims	Five year average \$4,274
vi	HSAs contributions	HSA EE only \$200/mo, EE+1 \$325/mo, EE+Family \$400/mo
vii	Employee Assistance Program	Assumes 3% increase for each budget year
a	Gasoline	Projected cost per gallon is \$3.05 plus tax. Projected usage is 2160 gallons / All CAWD fuel into Collections Budget and will alcoate at the end of year
b	Diesel	Projected cost per gallon is \$3.15. plus tax Projected usage is 7320 gallons / All CAWD fuel to Collections Budget and will alcoate cost at the end of the year
c	Fuelmaster software	Annual online service / maintenance \$550
d	Driver medical exam	Will eliminate 5370.5 and combined with 5400.5
e	DATCO fees	DMV requires a medical exam every two years for all Commercial drivers / Random drug screening \$54.60 per month for 6 employees plus one test per year for each employee at \$52.00 per test / Will eliminate 5370.5 and combined with 5400.5
f	Consulting Fees	West Yost for Phase Capicity modeling \$50,000 / Bay & Scenic PS evaluation \$50,000 / Electrical upgrade consulting for Hacienda \$25,000
g	Computers & equipment	new field laptop \$2,800 plus new printer
h	Furnishings & fixtures	New Office chair
i	Paper & printing	Printing of flyers \$2000 Public Out reach Flyers and handouts at Fair booths ect \$4500 now in 5519.007
j	Postage & shipping	Postage for flyers
k	Office Supplies	Includes toner for 2 desktop printers and paper
l	Equipment rent	Portable toilet
m	Electrical Supplies	Mis Electrical tools
n	Paint & fluids	Paint for USA marking and Stations and fluids for Calle la Cruz H2S problem \$4000
o	Janitorial Supplies	Split with Treatment
p	Personnel Supplies	Captured under safety consumables
q	Hand Tools	Shovels, brooms, mis tools
r	General Operating Supplies	Tiger tails, nozzles, hoses, equipment for trucks, new warthog cleaning nozzle \$4500, Trailer to tow skid steer to jobsite \$9500
s	Network Administration	Icom Annual Fee \$13,700, Exceedio Annual Fee \$ 7000, IT Pipes Annual fee \$1000, Turf Image Annual user fee \$7200
t	CCTV sewer inspection	Contract out for CCTV inspections 65,000 feet annually at \$1.25 per foot
u	Root foaming	Annual root treatment at \$1.59 per foot X 40,500 feet
v	Pump station monitoring	Mission Alarm SCADA System \$2600 / Comcast SCADA service to Pump Stations \$110 per station times 7 time 12 \$10,080
w	Collect Sys capacity monitor	5 flow meters this cost is for cell service and batteries for our meters
x	Alarm systems	First Alarm service Split with Treatment
y	HR consulting	New cost for HR Services
z	Underground Service Alert	Increase cost for additions calls for USA
aa	Easements	Clear easements for access, and tree clearing
ab	Pump stations	hardware and pipe fittings for pump stations ,flood doors \$50,000

**Carmel Area Wastewater District
Collection: 2020-21 Operating Expense Budget**

Note

<u>No.</u>	<u>Description</u>	<u>Comments</u>
ac	Pump station equipment	Electrical motor starters, valve parts, conduit and alarm parts
ad	Sewer lines	Emergency Repairs of sewer lines
ae	Manholes	purchase and install 30 frame and lids \$50,000, labor to install \$20,000 for manhole work
af	Generators	Generator load testing and service / Mis repair parts
ag	Instruments	Oda Logger repairs
ah	Garbage	Increase cost for disposal for City catch basin cleaning, cost billed to city
		Pump Station AT&T service / will be terminated once comcast is live - Phone service for fixed phones at plant \$1700
ai	Fixed Costs	
aj	Memberships - CWEA	CWEA Certification, 5 @ \$97 for Coll cert, 5 @ \$97 for Main Cert
ak	Safety supplies	Nitrile gloves, earplugs, first aid consumables, disaster supplies- includes items from 5740.5
al	Contingency	2% of O&M budget
am	Miscellaneous	Spill in Hatton Canyon 2017 anticipated fine

Collections 2020-21

Training Budget	\$	16,055
Conference Budget ***	\$	3,100
Safety training Budget	\$	4,575
	\$	23,730

<u>Employee</u>	<u>Date</u>	<u>Safety/Training</u>	<u>Conference</u>	<u>Travel</u>	<u>Per Diem</u>	<u>Hotel</u>	<u>Total</u>	
CWEA Test Prep X 3 persons	8/16/20		\$ 105				\$ 105.00	
Barry Blevins / Ignition SCADA Training	9/26/20	\$ 2,500.00		\$ 250	\$ 350	\$ 1,000	\$ 4,100.00	
Daryl Lauer / Ignition SCADA Training	9/26/20	\$ 2,000.00		\$ 250	\$ 350	\$ 1,000	\$ 3,600.00	
Daryl Lauer / TRI State Conference ***	8/11/20		\$ 100	\$ 300	\$ 350	\$ 500	\$ 1,250.00	
Daryl Lauer / CWEA Annual Conference ***	3/31/20		\$ 500		\$ 350	\$ 1,000	\$ 1,850.00	
Mis CWEA/MBS Dinner meetings / Daryl					\$ 250		\$ 250.00	
Mis CWEA/MBS Dinner meetings / Barry					\$ 200		\$ 200.00	
Mis CWEA/MBS Dinner meetings / Mark					\$ 200		\$ 200.00	
Mis CWEA/MBS Dinner meetings / Andrew					\$ 200		\$ 200.00	
Andrew / Electrical Training/ 4 day course	7/7/19	\$ 2,300.00			\$ 350	\$ 800	\$ 3,450.00	
Mark / Electrical Training/ 4 day course	7/7/19	\$ 2,300.00			\$ 350	\$ 800	\$ 3,450.00	
Mis CWEA Training classes through-out the year / ALL			\$ 300		\$ 200		\$ 500.00	
Hazwoper Refresher \$300 each X 4 persons	9/9/20	\$ 1,200					\$ 1,200.00	
Confined space Refresher \$300 each X 4 persons	9/9/20	\$ 1,200					\$ 1,200.00	
Respiratory fit test \$120 each X 5 persons	9/9/20	\$ 800					\$ 800.00	
Safety Training CSRMA	9/9/20	\$ 1,200					\$ 1,200.00	
Hearing test \$35 each X 5 persons	9/9/20	\$ 175					\$ 175.00	
Total		\$	13,675.00	\$ 1,005	\$ 800	\$ 3,150	\$ 5,100	\$ 23,730

O & M Budget Treatment & Disposal

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Salaries	5030.006	903,893	1,188,116	76.08%	1,055,790	1,129,130	93.50%	1,259,058	119.25%	1,328,091	5.48%	
Salaries - Overtime	5035.006	18,367	40,000	45.92%	17,088	60,000	28.48%	35,000	204.82%	35,000	0.00%	
Salaries - Standby	5040.006	22,280	29,120	76.51%	16,251	29,120	55.81%	34,800	214.14%	34,800	0.00%	
Allocate to Reclamation			(300,000)	0.00%		(279,709)	0.00%	(304,500)		(316,680)		
<i>Total Salaries</i>		944,540	957,236	98.67%	1,089,129	938,541	116.04%	1,024,358	94.05%	1,081,211	5.55%	
Payroll Taxes	5045.006	94,171	96,179	97.91%	109,567	103,080	106.29%	101,658	92.78%	106,939	5.19%	
Allocate to Reclamation	5205.004		(22,950)			(22,950)	0.00%	(23,294)		(24,226)		
<i>Total Payroll Taxes</i>		94,171	73,229	128.60%	109,567	80,130	136.74%	78,363	71.52%	82,713	5.55%	
Employee Benefits:												
Health insurance	5070.006	145,747	191,842	75.97%	157,950	156,300	101.06%	182,973	115.84%	182,011	-0.53%	
Retirement Plan - CalPERS	5080.006	91,752	101,439	90.45%	115,998	104,660	110.83%	124,300	107.16%	128,307	3.22%	
Pension Contribution - SAM	5090.006	(205,815)	59,274	-347.22%	0	63,925	0.00%	0	∞	0	∞	
Workers Compensation	5100.006	52,972	43,051	123.05%	44,825	55,365	80.96%	46,037	102.70%	48,614	5.60%	
Life Insurance	5110.006	3,676	3,970	92.59%	4,460	3,665	121.69%	3,665	82.17%	3,665	0.00%	
PEHP	5120.006	14,918	11,881	125.56%	18,177	13,900	130.77%	14,760	81.20%	15,515	5.12%	
Dental Insurance/Claims	5130.006	10,552	17,400	60.64%	15,765	16,100	97.92%	14,900	94.51%	14,900	0.00%	
Vision Insurance	5140.006	3,208	3,900	82.26%	3,835	3,900	98.33%	3,898	101.64%	3,898	0.00%	
Long Term Disability	5150.006	10,282	10,931	94.06%	12,397	11,140	111.28%	11,820	95.35%	12,460	5.41%	
HSA Contributions	5160.006	25,720	0	∞	29,172	25,435	114.69%	41,524	142.34%	40,886	-1.54%	
Tuition reimbursement	5175.006	167	0	∞	0	0	∞	0	∞	0	∞	
Employee Assistance Program	5180.006	1,899	2,025	93.78%	3,257	1,915	170.08%	1,955	60.02%	2,015	3.07%	
Employee Awards	5185.006	1,620	0	∞	(254)	0	n/a	0	∞	0	∞	
Annual District picnic	5186.006	145	0	∞	0	0	n/a	1,380	∞	1,380	0.00%	
Employee lunches	5187.006	764	0	∞	411	300	n/a	0	0.00%	0	∞	
COBRA	5190.006	(1,292)	0	∞	0	0	n/a	0	∞	0	∞	
Medical Exams	5200.006	2,268	1,200	189.03%	486	1,000	48.60%	300	61.73%	300	0.00%	
Allocate to Reclamation	5205.006	(143,104)	(135,000)	106.00%	(168,001)	(116,905)	143.71%	(148,956)	88.66%	(134,114)	-9.96%	
<i>Total Employee Benefits</i>		15,479	311,913	4.96%	238,478	340,700	70.00%	298,556	125.19%	319,837	7.13%	
Trucks & Autos												
Paint & fluids	5420.006	48	0	∞	0	0	n/a	0	∞	0	∞	
<i>Total Trucks & Autos</i>		48	0	∞	0	0	n/a	0	∞	0	∞	
Property/Liability/Auto Insurance												

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Auto insurance	5450.006	238	1,502	15.85%	411	1,800	22.83%	442	107.50%	475	7.50%	
Property Insurance	5480.006	0	16,500	0.00%	11,983	11,130	107.66%	12,882	107.50%	13,848	7.50%	
General Liability	5480.006	43,005	35,502	121.13%	78,171	45,600	171.43%	84,034	107.50%	90,336	7.50%	
<i>Total Insurance</i>		43,243	53,504	80.82%	90,565	58,530	154.73%	97,357	107.50%	104,659	7.50%	
<i>Engineering Fees</i>												
Consulting Fees	5500.006	828	30,000	2.76%	87,915	135,000	65.12%	475,000	540.29%	435,000	-8.42%	a
<i>Total Engineering Fees</i>		828	30,000	2.76%	87,915	135,000	65.12%	475,000	540.29%	435,000	-8.42%	
<i>Attorney Fees</i>												
Legal Fees	5510.006	77,907	35,000	222.59%	51,243	35,000	146.41%	35,000	68.30%	50,000	42.86%	b
<i>Total Attorney Fees</i>		77,907	35,000	222.59%	51,243	35,000	146.41%	35,000	68.30%	50,000	42.86%	
<i>Office Supplies & Service</i>												
Computers & Equip	5540.006	14,049	26,600	52.82%	10,804	5,000	216.08%	15,000	138.84%	15,000	0.00%	c
Furnishings & fixtures	5545.006	596	1,800	33.11%	570	3,000	19.00%	1,000	175.44%	1,000	0.00%	d
Paper & printing	5550.006	1,179	2,750	42.86%	216	2,500	8.64%	4,500	2083.33%	4,500	0.00%	e
Postage & shipping	5560.006	28	300	9.43%	541	300	180.33%	300	55.45%	300	0.00%	
Office supplies	5570.006	2,843	4,700	60.50%	4,001	4,700	85.13%	4,000	99.98%	4,000	0.00%	f
Equipment rent	5580.006	0	500	0.00%	0	0	n/a	0	∞	0	∞	
Equipment repairs	5590.006	60	2,120	2.82%	0	1,500	0.00%	500	∞	500	0.00%	
<i>Total Office Supplies & Svc.</i>		18,756	38,770	48.38%	16,132	17,000	94.89%	25,300	156.83%	25,300	0.00%	
<i>Operating Supplies</i>												
Chemicals	5615.006	2,080	5,000	41.60%	4,494	5,000	89.88%	4,000	89.01%	4,000	0.00%	g
Phenylarsine oxide	5625.006	563	0	∞	582	0	n/a	750	128.87%	750	0.00%	
Sodium bisulfite	5630.006	73,727	46,350	159.07%	45,199	50,000	90.40%	75,000	165.93%	78,000	4.00%	h
Sodium hypochlorite	5635.006	73,306	90,000	81.45%	84,380	85,000	99.27%	97,750	115.84%	107,525	10.00%	i
Ferric chloride	5640.006	18,756	30,000	62.52%	27,371	30,000	91.24%	31,000	113.26%	38,000	22.58%	j
Polymer	5650.006	47,254	35,000	135.01%	44,208	55,000	80.38%	55,000	124.41%	55,000	0.00%	k
Acetic Acid	5660.006	940	1,100	85.48%	833	750	111.07%	1,100	132.05%	1,100	0.00%	l
Iodine solution	5665.006	53	450	11.74%	100	300	33.33%	300	300.00%	300	0.00%	m
Potassium iodate	5670.006	251	3,650	6.87%	794	3,800	20.89%	1,000	125.94%	1,000	0.00%	n
Electrical Supplies	5690.006	197	0	∞	28	0	n/a	0	0.00%	0	∞	
Laboratory	5700.006	37,413	30,900	121.08%	33,444	33,840	98.83%	39,432	117.90%	39,435	0.01%	o
Janitorial	5730.006	68	400	17.12%	0	0	n/a	0	∞	0	∞	
Personnel	5740.006	3,681	8,250	44.62%	1,585	3,250	48.77%	3,500	220.82%	3,500	0.00%	p

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Auto insurance	5450.006	238	1,502	15.85%	411	1,800	22.83%	442	107.50%	475	7.50%	
Property Insurance	5480.006	0	16,500	0.00%	11,983	11,130	107.66%	12,882	107.50%	13,848	7.50%	
General Liability	5480.006	43,005	35,502	121.13%	78,171	45,600	171.43%	84,034	107.50%	90,336	7.50%	
<i>Total Insurance</i>		43,243	53,504	80.82%	90,565	58,530	154.73%	97,357	107.50%	104,659	7.50%	
<i>Engineering Fees</i>												
Consulting Fees	5500.006	828	30,000	2.76%	87,915	135,000	65.12%	475,000	540.29%	435,000	-8.42%	a
<i>Total Engineering Fees</i>		828	30,000	2.76%	87,915	135,000	65.12%	475,000	540.29%	435,000	-8.42%	
<i>Attorney Fees</i>												
Legal Fees	5510.006	77,907	35,000	222.59%	51,243	35,000	146.41%	35,000	68.30%	50,000	42.86%	b
<i>Total Attorney Fees</i>		77,907	35,000	222.59%	51,243	35,000	146.41%	35,000	68.30%	50,000	42.86%	
<i>Office Supplies & Service</i>												
Computers & Equip	5540.006	14,049	26,600	52.82%	10,804	5,000	216.08%	15,000	138.84%	15,000	0.00%	c
Furnishings & fixtures	5545.006	596	1,800	33.11%	570	3,000	19.00%	1,000	175.44%	1,000	0.00%	d
Paper & printing	5550.006	1,179	2,750	42.86%	216	2,500	8.64%	4,500	2083.33%	4,500	0.00%	e
Postage & shipping	5560.006	28	300	9.43%	541	300	180.33%	300	55.45%	300	0.00%	
Office supplies	5570.006	2,843	4,700	60.50%	4,001	4,700	85.13%	4,000	99.98%	4,000	0.00%	f
Equipment rent	5580.006	0	500	0.00%	0	0	n/a	0	∞	0	∞	
Equipment repairs	5590.006	60	2,120	2.82%	0	1,500	0.00%	500	∞	500	0.00%	
<i>Total Office Supplies & Svc.</i>		18,756	38,770	48.38%	16,132	17,000	94.89%	25,300	156.83%	25,300	0.00%	
<i>Operating Supplies</i>												
Chemicals	5615.006	2,080	5,000	41.60%	4,494	5,000	89.88%	4,000	89.01%	4,000	0.00%	g
Phenylarsine oxide	5625.006	563	0	∞	582	0	n/a	750	128.87%	750	0.00%	
Sodium bisulfite	5630.006	73,727	46,350	159.07%	45,199	50,000	90.40%	75,000	165.93%	78,000	4.00%	h
Sodium hypochlorite	5635.006	73,306	90,000	81.45%	84,380	85,000	99.27%	97,750	115.84%	107,525	10.00%	i
Ferric chloride	5640.006	18,756	30,000	62.52%	27,371	30,000	91.24%	31,000	113.26%	38,000	22.58%	j
Polymer	5650.006	47,254	35,000	135.01%	44,208	55,000	80.38%	55,000	124.41%	55,000	0.00%	k
Acetic Acid	5660.006	940	1,100	85.48%	833	750	111.07%	1,100	132.05%	1,100	0.00%	l
Iodine solution	5665.006	53	450	11.74%	100	300	33.33%	300	300.00%	300	0.00%	m
Potassium iodate	5670.006	251	3,650	6.87%	794	3,800	20.89%	1,000	125.94%	1,000	0.00%	n
Electrical Supplies	5690.006	197	0	∞	28	0	n/a	0	0.00%	0	∞	
Laboratory	5700.006	37,413	30,900	121.08%	33,444	33,840	98.83%	39,432	117.90%	39,435	0.01%	o
Janitorial	5730.006	68	400	17.12%	0	0	n/a	0	∞	0	∞	
Personnel	5740.006	3,681	8,250	44.62%	1,585	3,250	48.77%	3,500	220.82%	3,500	0.00%	p

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Radios & supplies	5745.006	0	1,590	0.00%	1,730	1,590	108.81%	1,650	95.38%	1,720	4.24%	q
Hand tools	5780.006	3,660	3,275	111.75%	2,790	3,275	85.19%	3,500	125.45%	3,500	0.00%	r
General supplies	5790.006	13,968	8,000	174.60%	7,409	8,350	88.73%	8,500	114.73%	8,840	4.00%	s
Source control	5795.006	829	1,250	66.35%	0	1,000	0.00%	1,100	∞	1,000	-9.09%	t
<i>Total Operating Supplies</i>		276,746	265,215	104.35%	254,947	281,155	90.68%	323,582	126.92%	343,670	6.21%	
<i>Contractual Services</i>												
Sludge Haul/Disposal	5820.006	88,292	97,850	90.23%	104,675	99,000	105.73%	103,000	98.40%	107,000	3.88%	u
Network Administration	5830.006	73,719	59,050	124.84%	98,262	65,000	151.17%	75,345	76.68%	79,112	5.00%	v
Laboratory Analysis	5840.006	27,841	31,970	87.08%	26,907	33,000	81.54%	38,010	141.26%	39,150	3.00%	w
Electrical Service	5855.006	3,689	0	∞	450	0	n/a	0	0.00%	0	∞	
Pump Station/Manhole	5870.006	960	0	∞	0	0	n/a	0	∞	0	∞	
Alarm System	5880.006	1,427	3,200	44.58%	1,911	2,800	68.25%	7,550	395.08%	7,550	0.00%	x
HR consulting	5885.006	14,836	0	∞	16,343	26,640	61.35%	27,000	165.21%	27,500	1.85%	
Equip rental - generator	5890.006	380	0	∞	0	0	n/a	0	∞	0	∞	
Janitorial Service	5900.006	690	0	∞	0	0	n/a	0	∞	0	∞	
Copier Service	5910.006	3,032	5,000	60.65%	1,226	5,000	24.52%	5,000	407.83%	5,000	0.00%	y
Laundry	5940.006	11,871	12,360	96.04%	11,246	8,200	137.15%	13,000	115.60%	13,000	0.00%	z
Hazard/Green Waste Disposal	5990.006	168	600	28.00%	65	0	n/a	0	0.00%	0	∞	
Grit & Screening Disposal	6000.006	21,068	13,500	156.06%	19,794	15,000	131.96%	23,100	116.70%	24,255	5.00%	aa
Sewer/pretreatment ordinance	6015.006	0	2,500	0.00%	0	2,500	0.00%	0	∞	0	∞	ab
Instrumentation Services	6020.006	5,478	26,000	21.07%	0	14,000	0.00%	27,200	∞	27,962	2.80%	ac
Hazardous chemical disposal	6040.006	1,736	500	347.25%	0	500	0.00%	1,000	∞	1,200	20.00%	ad
Outfall Inspection	6045.006	0	11,000	0.00%	18,857	11,500	163.97%	12,650	67.08%	13,500	6.72%	ae
Lagoon inspection	6046.006	0	0	∞	0	0	n/a	5,000	∞	5,000	0.00%	af
Ocean Monitoring Program	6050.006	0	12,225	0.00%	0	0	n/a	0	∞	0	∞	
Sea Level Rise study	6055.006	53,884	0	∞	0	0	n/a	0	∞	0	∞	
Consulting - Coastal Comm	6065.006	64,434	0	∞	111,205	0	n/a	0	0.00%	0	∞	ag
Other Special Studies	6070.006	1,000	0	∞	0	0	n/a	0	∞	0	∞	
<i>Total Contractual Services</i>		374,505	275,755	135.81%	410,941	283,140	145.14%	337,855	82.21%	350,229	3.66%	
<i>Repairs & Maintenance</i>												
General Repairs	6095.006	25,280	10,000	252.80%	3,729	10,000	37.29%	10,000	268.17%	10,000	0.00%	ah
Instruments	6220.006	3,963	24,860	15.94%	0	7,000	0.00%	7,000	∞	7,000	∞	
Lab Equipment	6240.006	4,151	12,260	33.86%	16,356	13,750	118.95%	15,000	91.71%	15,450	3.00%	ai

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Radios & supplies	5745.006	0	1,590	0.00%	1,730	1,590	108.81%	1,650	95.38%	1,720	4.24%	q
Hand tools	5780.006	3,660	3,275	111.75%	2,790	3,275	85.19%	3,500	125.45%	3,500	0.00%	r
General supplies	5790.006	13,968	8,000	174.60%	7,409	8,350	88.73%	8,500	114.73%	8,840	4.00%	s
Source control	5795.006	829	1,250	66.35%	0	1,000	0.00%	1,100	∞	1,000	-9.09%	t
<i>Total Operating Supplies</i>		276,746	265,215	104.35%	254,947	281,155	90.68%	323,582	126.92%	343,670	6.21%	
<i>Contractual Services</i>												
Sludge Haul/Disposal	5820.006	88,292	97,850	90.23%	104,675	99,000	105.73%	103,000	98.40%	107,000	3.88%	u
Network Administration	5830.006	73,719	59,050	124.84%	98,262	65,000	151.17%	75,345	76.68%	79,112	5.00%	v
Laboratory Analysis	5840.006	27,841	31,970	87.08%	26,907	33,000	81.54%	38,010	141.26%	39,150	3.00%	w
Electrical Service	5855.006	3,689	0	∞	450	0	n/a	0	0.00%	0	∞	
Pump Station/Manhole	5870.006	960	0	∞	0	0	n/a	0	∞	0	∞	
Alarm System	5880.006	1,427	3,200	44.58%	1,911	2,800	68.25%	7,550	395.08%	7,550	0.00%	x
HR consulting	5885.006	14,836	0	∞	16,343	26,640	61.35%	27,000	165.21%	27,500	1.85%	
Equip rental - generator	5890.006	380	0	∞	0	0	n/a	0	∞	0	∞	
Janitorial Service	5900.006	690	0	∞	0	0	n/a	0	∞	0	∞	
Copier Service	5910.006	3,032	5,000	60.65%	1,226	5,000	24.52%	5,000	407.83%	5,000	0.00%	y
Laundry	5940.006	11,871	12,360	96.04%	11,246	8,200	137.15%	13,000	115.60%	13,000	0.00%	z
Hazard/Green Waste Disposal	5990.006	168	600	28.00%	65	0	n/a	0	0.00%	0	∞	
Grit & Screening Disposal	6000.006	21,068	13,500	156.06%	19,794	15,000	131.96%	23,100	116.70%	24,255	5.00%	aa
Sewer/pretreatment ordinance	6015.006	0	2,500	0.00%	0	2,500	0.00%	0	∞	0	∞	ab
Instrumentation Services	6020.006	5,478	26,000	21.07%	0	14,000	0.00%	27,200	∞	27,962	2.80%	ac
Hazardous chemical disposal	6040.006	1,736	500	347.25%	0	500	0.00%	1,000	∞	1,200	20.00%	ad
Outfall Inspection	6045.006	0	11,000	0.00%	18,857	11,500	163.97%	12,650	67.08%	13,500	6.72%	ae
Lagoon inspection	6046.006	0	0	∞	0	0	n/a	5,000	∞	5,000	0.00%	af
Ocean Monitoring Program	6050.006	0	12,225	0.00%	0	0	n/a	0	∞	0	∞	
Sea Level Rise study	6055.006	53,884	0	∞	0	0	n/a	0	∞	0	∞	
Consulting - Coastal Comm	6065.006	64,434	0	∞	111,205	0	n/a	0	0.00%	0	∞	ag
Other Special Studies	6070.006	1,000	0	∞	0	0	n/a	0	∞	0	∞	
<i>Total Contractual Services</i>		374,505	275,755	135.81%	410,941	283,140	145.14%	337,855	82.21%	350,229	3.66%	
<i>Repairs & Maintenance</i>												
General Repairs	6095.006	25,280	10,000	252.80%	3,729	10,000	37.29%	10,000	268.17%	10,000	0.00%	ah
Instruments	6220.006	3,963	24,860	15.94%	0	7,000	0.00%	7,000	∞	7,000	∞	
Lab Equipment	6240.006	4,151	12,260	33.86%	16,356	13,750	118.95%	15,000	91.71%	15,450	3.00%	ai

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Radios & supplies	5745.006	0	1,590	0.00%	1,730	1,590	108.81%	1,650	95.38%	1,720	4.24%	q
Hand tools	5780.006	3,660	3,275	111.75%	2,790	3,275	85.19%	3,500	125.45%	3,500	0.00%	r
General supplies	5790.006	13,968	8,000	174.60%	7,409	8,350	88.73%	8,500	114.73%	8,840	4.00%	s
Source control	5795.006	829	1,250	66.35%	0	1,000	0.00%	1,100	∞	1,000	-9.09%	t
<i>Total Operating Supplies</i>		276,746	265,215	104.35%	254,947	281,155	90.68%	323,582	126.92%	343,670	6.21%	
<i>Contractual Services</i>												
Sludge Haul/Disposal	5820.006	88,292	97,850	90.23%	104,675	99,000	105.73%	103,000	98.40%	107,000	3.88%	u
Network Administration	5830.006	73,719	59,050	124.84%	98,262	65,000	151.17%	75,345	76.68%	79,112	5.00%	v
Laboratory Analysis	5840.006	27,841	31,970	87.08%	26,907	33,000	81.54%	38,010	141.26%	39,150	3.00%	w
Electrical Service	5855.006	3,689	0	∞	450	0	n/a	0	0.00%	0	∞	
Pump Station/Manhole	5870.006	960	0	∞	0	0	n/a	0	∞	0	∞	
Alarm System	5880.006	1,427	3,200	44.58%	1,911	2,800	68.25%	7,550	395.08%	7,550	0.00%	x
HR consulting	5885.006	14,836	0	∞	16,343	26,640	61.35%	27,000	165.21%	27,500	1.85%	
Equip rental - generator	5890.006	380	0	∞	0	0	n/a	0	∞	0	∞	
Janitorial Service	5900.006	690	0	∞	0	0	n/a	0	∞	0	∞	
Copier Service	5910.006	3,032	5,000	60.65%	1,226	5,000	24.52%	5,000	407.83%	5,000	0.00%	y
Laundry	5940.006	11,871	12,360	96.04%	11,246	8,200	137.15%	13,000	115.60%	13,000	0.00%	z
Hazard/Green Waste Disposal	5990.006	168	600	28.00%	65	0	n/a	0	0.00%	0	∞	
Grit & Screening Disposal	6000.006	21,068	13,500	156.06%	19,794	15,000	131.96%	23,100	116.70%	24,255	5.00%	aa
Sewer/pretreatment ordinance	6015.006	0	2,500	0.00%	0	2,500	0.00%	0	∞	0	∞	ab
Instrumentation Services	6020.006	5,478	26,000	21.07%	0	14,000	0.00%	27,200	∞	27,962	2.80%	ac
Hazardous chemical disposal	6040.006	1,736	500	347.25%	0	500	0.00%	1,000	∞	1,200	20.00%	ad
Outfall Inspection	6045.006	0	11,000	0.00%	18,857	11,500	163.97%	12,650	67.08%	13,500	6.72%	ae
Lagoon inspection	6046.006	0	0	∞	0	0	n/a	5,000	∞	5,000	0.00%	af
Ocean Monitoring Program	6050.006	0	12,225	0.00%	0	0	n/a	0	∞	0	∞	
Sea Level Rise study	6055.006	53,884	0	∞	0	0	n/a	0	∞	0	∞	
Consulting - Coastal Comm	6065.006	64,434	0	∞	111,205	0	n/a	0	0.00%	0	∞	ag
Other Special Studies	6070.006	1,000	0	∞	0	0	n/a	0	∞	0	∞	
<i>Total Contractual Services</i>		374,505	275,755	135.81%	410,941	283,140	145.14%	337,855	82.21%	350,229	3.66%	
<i>Repairs & Maintenance</i>												
General Repairs	6095.006	25,280	10,000	252.80%	3,729	10,000	37.29%	10,000	268.17%	10,000	0.00%	ah
Instruments	6220.006	3,963	24,860	15.94%	0	7,000	0.00%	7,000	∞	7,000	∞	
Lab Equipment	6240.006	4,151	12,260	33.86%	16,356	13,750	118.95%	15,000	91.71%	15,450	3.00%	ai

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Headworks - Primary	6250.006	705	7,750	9.09%	1,094	7,750	14.12%	4,750	434.19%	4,895	3.05%	aj
IPS/EPS/DAF	6260.006	2,536	4,500	56.36%	214	8,400	2.55%	5,700	2663.55%	5,700	0.00%	ak
Effluent/Outfall	6265.006	0	0	∞	11,924	9,500	125.52%	5,000	41.93%	5,000	0.00%	al
Disinfection (Hypo/SBS/CDC)	6270.006	4,927	10,000	49.27%	6,321	8,000	79.01%	7,000	110.74%	7,000	0.00%	am
Dewatering/DIG	6280.006	2,991	2,500	119.62%	920	8,100	11.36%	8,000	869.57%	7,000	-12.50%	an
Aeration - Secondary	6300.006	3,719	3,000	123.98%	12,017	10,500	114.45%	7,000	58.25%	7,000	0.00%	ao
<i>Total Maint & Repairs</i>		48,272	74,870	64.47%	52,575	83,000	63.34%	69,450	132.10%	69,045	-0.58%	
<i>Utilities</i>												
Electricity - Secondary	6352.006	178,748	301,000	59.38%	210,701	324,210	64.99%	347,900	165.12%	371,100	6.67%	ap
Electricity - Aeration	6353.006	61,695	0	∞	76,369	0	n/a	0	0.00%	0	∞	
Electricity - Lab Tertiary	6354.006	6,105	0	∞	6,801	0	n/a	0	0.00%	0	∞	
Co-Gen Non-Energy Plant	6359.006	549	0	∞	843	0	n/a	0	0.00%	0	∞	
Gas	6360.006	50,798	35,000	145.14%	45,664	42,800	106.69%	44,512	97.48%	46,292	4.00%	aq
Propane	6370.006	510	500	101.93%	638	700	91.14%	700	109.72%	700	0.00%	ar
Water	6380.006	7,693	10,200	75.42%	6,866	10,600	64.77%	7,900	115.06%	8,140	3.04%	as
Cable television	6390.006	955	700	136.45%	979	950	103.05%	1,000	102.15%	1,050	5.00%	at
<i>Total Utilities</i>		307,054	347,400	88.39%	348,861	379,260	91.98%	402,012	115.24%	427,282	6.29%	
<i>Telephone</i>												
Fixed Costs	6392.006	13,529	20,000	67.64%	9,355	10,000	93.55%	19,045	203.58%	19,045	0.00%	au
Cellular Phones	6393.006	2,991	5,200	57.51%	2,544	3,500	72.69%	3,650	143.47%	3,785	3.70%	
Repair to Lines	6394.006	5,256	1,000	525.58%	54	2,000	2.70%	0	0.00%	0	∞	
<i>Total Telephone</i>		21,775	26,200	83.11%	11,953	15,500	77.12%	22,695	189.87%	22,830	0.59%	
<i>Travel & Training</i>												
Employee Training	6420.006	11,049	29,485	37.47%	21,621	20,606	104.93%	18,135	83.88%	18,135	0.00%	aw
Conferences	6430.006	8,168	7,860	103.92%	5,290	9,530	55.51%	10,810	204.35%	10,810	0.00%	ax
Business meetings	6440.006	731	500	146.26%	644	500	128.80%	500	77.64%	500	0.00%	ay
<i>Total Travel & Meetings</i>		19,948	37,845	52.71%	27,555	30,636	89.94%	29,445	106.86%	29,445	0.00%	
<i>Permitting</i>												
Treatment Plant Permits	6470.006	20,011	25,000	80.05%	30,199	25,000	120.80%	25,000	82.78%	30,000	20.00%	az
Central Coast RWQCB	6475.006	0	7,800	0.00%	0	20,000	0.00%	0	∞	0	∞	
Air Pollution Control Permit	6480.006	0	2,570	0.00%	5,126	4,000	128.15%	0	0.00%	0	∞	
Air Resources Board-PERP	6485.006	3,960	500	792.00%	0	0	n/a	∞	∞	0	∞	

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Headworks - Primary	6250.006	705	7,750	9.09%	1,094	7,750	14.12%	4,750	434.19%	4,895	3.05%	aj
IPS/EPS/DAF	6260.006	2,536	4,500	56.36%	214	8,400	2.55%	5,700	2663.55%	5,700	0.00%	ak
Effluent/Outfall	6265.006	0	0	<u>∞</u>	11,924	9,500	125.52%	5,000	41.93%	5,000	0.00%	al
Disinfection (Hypo/SBS/CDC)	6270.006	4,927	10,000	49.27%	6,321	8,000	79.01%	7,000	110.74%	7,000	0.00%	am
Dewatering/DIG	6280.006	2,991	2,500	119.62%	920	8,100	11.36%	8,000	869.57%	7,000	-12.50%	an
Aeration - Secondary	6300.006	3,719	3,000	123.98%	12,017	10,500	114.45%	7,000	58.25%	7,000	0.00%	ao
<i>Total Maint & Repairs</i>		48,272	74,870	64.47%	52,575	83,000	63.34%	69,450	132.10%	69,045	-0.58%	
<i>Utilities</i>												
Electricity - Secondary	6352.006	178,748	301,000	59.38%	210,701	324,210	64.99%	347,900	165.12%	371,100	6.67%	ap
Electricity - Aeration	6353.006	61,695	0	<u>∞</u>	76,369	0	n/a	0	0.00%	0	<u>∞</u>	
Electricity - Lab Tertiary	6354.006	6,105	0	<u>∞</u>	6,801	0	n/a	0	0.00%	0	<u>∞</u>	
Co-Gen Non-Energy Plant	6359.006	549	0	<u>∞</u>	843	0	n/a	0	0.00%	0	<u>∞</u>	
Gas	6360.006	50,798	35,000	145.14%	45,664	42,800	106.69%	44,512	97.48%	46,292	4.00%	aq
Propane	6370.006	510	500	101.93%	638	700	91.14%	700	109.72%	700	0.00%	ar
Water	6380.006	7,693	10,200	75.42%	6,866	10,600	64.77%	7,900	115.06%	8,140	3.04%	as
Cable television	6390.006	955	700	136.45%	979	950	103.05%	1,000	102.15%	1,050	5.00%	at
<i>Total Utilities</i>		307,054	347,400	88.39%	348,861	379,260	91.98%	402,012	115.24%	427,282	6.29%	
<i>Telephone</i>												
Fixed Costs	6392.006	13,529	20,000	67.64%	9,355	10,000	93.55%	19,045	203.58%	19,045	0.00%	au
Cellular Phones	6393.006	2,991	5,200	57.51%	2,544	3,500	72.69%	3,650	143.47%	3,785	3.70%	
Repair to Lines	6394.006	5,256	1,000	525.58%	54	2,000	2.70%	0	0.00%	0	<u>∞</u>	
<i>Total Telephone</i>		21,775	26,200	83.11%	11,953	15,500	77.12%	22,695	189.87%	22,830	0.59%	
<i>Travel & Training</i>												
Employee Training	6420.006	11,049	29,485	37.47%	21,621	20,606	104.93%	18,135	83.88%	18,135	0.00%	aw
Conferences	6430.006	8,168	7,860	103.92%	5,290	9,530	55.51%	10,810	204.35%	10,810	0.00%	ax
Business meetings	6440.006	731	500	146.26%	644	500	128.80%	500	77.64%	500	0.00%	ay
<i>Total Travel & Meetings</i>		19,948	37,845	52.71%	27,555	30,636	89.94%	29,445	106.86%	29,445	0.00%	
<i>Permitting</i>												
Treatment Plant Permits	6470.006	20,011	25,000	80.05%	30,199	25,000	120.80%	25,000	82.78%	30,000	20.00%	az
Central Coast RWQCB	6475.006	0	7,800	0.00%	0	20,000	0.00%	0	<u>∞</u>	0	<u>∞</u>	
Air Pollution Control Permit	6480.006	0	2,570	0.00%	5,126	4,000	128.15%	0	0.00%	0	<u>∞</u>	
Air Resources Board-PERP	6485.006	3,960	500	792.00%	0	0	n/a	<u>∞</u>	<u>∞</u>	0	<u>∞</u>	

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Environmental Health Permit	6490.006	1,734	2,000	86.70%	0	3,800	0.00%	3,800	∞	3,800	0.00%	ba
Dept of Food & Agriculture	6505.006	7,100	0	∞	12,171	0	n/a	0	0.00%	0	∞	
Lab Registration Fees	6510.006	2,221	4,745	46.81%	4,569	4,500	101.53%	12,162	266.19%	12,527	3.00%	
<i>Total Permitting</i>		35,026	42,615	82.19%	52,065	57,300	90.86%	40,962	78.67%	46,327	13.10%	
<i>Membership/Subscriptions</i>												
Employee Certification	6550.006	1,074	4,500	23.87%	483	500	96.60%	1,750	362.32%	600	-65.71%	bc
CWEA	6560.006	1,504	1,600	94.00%	1,639	2,600	63.04%	2,750	167.79%	2,750	0.00%	bd
CASA	6570.006	0	0	∞	569	0	n/a	0	0.00%	0	∞	
WEF	6580.006	328	380	86.32%	0	380	0.00%	400	∞	400	0.00%	
Lab memberships	6585.006	150	0	∞	64	300	21.33%	500	781.25%	500	0.00%	
Subscriptions/Publications	6640.006	843	1,500	56.19%	0	1,500	0.00%	1,500	∞	1,500	0.00%	bf
<i>Total Membership/Subscrip.</i>		3,899	7,980	48.86%	2,755	5,280	52.18%	6,900	250.45%	5,750	-16.67%	
<i>Safety</i>												
First Aid Supplies	6710.006	72	0	n/a	37	0	∞	0	0.00%	0	∞	
Fire Extinguisher Service	6730.006	2,767	1,030	268.64%	0	0	∞	0	∞	0	∞	
Safety Supplies/Emerg Respon:	6735.006	3,007	3,500	85.91%	0	0	∞	0	∞	0	∞	
Emergency Response Supplies	6740.006	10,662	3,500	304.63%	0	0	∞	0	∞	0	∞	
Uniforms/Boots/Gear	6750.006	2,112	3,000	70.41%	0	0	∞	0	∞	0	∞	
Safety Training	6760.006	10,631	13,720	77.48%	2,767	0	∞	0	0.00%	0	∞	
Policies and procedures	6770.006	0	0	n/a	4,571	0	∞	0	∞	0	∞	
<i>Total Safety Expenses</i>		29,250	24,750	118.18%	7,375	0	∞	0	0.00%	0	∞	
<i>Other Expenses</i>												
Recruitment	8910.006	0	5,000	0.00%	120	5,000	2.40%	5,000	4166.67%	5,000	0.00%	
Legal notices	8920.006	0	2,000	∞	0	2,000	0.00%	2,000	∞	2,000	0.00%	
Contingencies	8980.006	0	104,370	0.00%	0	108,585	0.00%	0	∞	66,845	∞	bg
<i>Total Other Expense</i>		0	111,370	0.00%	120	115,585	0.10%	7,000	5833.33%	73,845	954.93%	
Subtotal Operating Expense		2,311,447	2,713,652	85.18%	2,852,176	2,855,757	99.87%	3,273,836	114.78%	3,467,143	5.90%	
Depreciation Expense	8997.006	2,143,450	2,300,000	93.19%	2,300,000	2,300,000	100.00%	2,300,000	100.00%	2,300,000	0.00%	
Total Operating Expense		4,454,897	5,013,652	88.86%	5,152,176	5,155,757	99.93%	5,573,836	108.18%	5,767,143	3.47%	

**Carmel Area Wastewater District
Treatment Department: Operating Expense Budget 2020-21**

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Environmental Health Permit	6490.006	1,734	2,000	86.70%	0	3,800	0.00%	3,800	∞	3,800	0.00%	ba
Dept of Food & Agriculture	6505.006	7,100	0	∞	12,171	0	n/a	0	0.00%	0	∞	
Lab Registration Fees	6510.006	2,221	4,745	46.81%	4,569	4,500	101.53%	12,162	266.19%	12,527	3.00%	
<i>Total Permitting</i>		35,026	42,615	82.19%	52,065	57,300	90.86%	40,962	78.67%	46,327	13.10%	
<i>Membership/Subscriptions</i>												
Employee Certification	6550.006	1,074	4,500	23.87%	483	500	96.60%	1,750	362.32%	600	-65.71%	bc
CWEA	6560.006	1,504	1,600	94.00%	1,639	2,600	63.04%	2,750	167.79%	2,750	0.00%	bd
CASA	6570.006	0	0	∞	569	0	n/a	0	0.00%	0	∞	
WEF	6580.006	328	380	86.32%	0	380	0.00%	400	∞	400	0.00%	
Lab memberships	6585.006	150	0	∞	64	300	21.33%	500	781.25%	500	0.00%	
Subscriptions/Publications	6640.006	843	1,500	56.19%	0	1,500	0.00%	1,500	∞	1,500	0.00%	bf
<i>Total Membership/Subscrip.</i>		3,899	7,980	48.86%	2,755	5,280	52.18%	6,900	250.45%	5,750	-16.67%	
<i>Safety</i>												
First Aid Supplies	6710.006	72	0	n/a	37	0	∞	0	0.00%	0	∞	
Fire Extinguisher Service	6730.006	2,767	1,030	268.64%	0	0	∞	0	∞	0	∞	
Safety Supplies/Emerg Respon:	6735.006	3,007	3,500	85.91%	0	0	∞	0	∞	0	∞	
Emergency Response Supplies	6740.006	10,662	3,500	304.63%	0	0	∞	0	∞	0	∞	
Uniforms/Boots/Gear	6750.006	2,112	3,000	70.41%	0	0	∞	0	∞	0	∞	
Safety Training	6760.006	10,631	13,720	77.48%	2,767	0	∞	0	0.00%	0	∞	
Policies and procedures	6770.006	0	0	n/a	4,571	0	∞	0	∞	0	∞	
<i>Total Safety Expenses</i>		29,250	24,750	118.18%	7,375	0	∞	0	0.00%	0	∞	
<i>Other Expenses</i>												
Recruitment	8910.006	0	5,000	0.00%	120	5,000	2.40%	5,000	4166.67%	5,000	0.00%	
Legal notices	8920.006	0	2,000	∞	0	2,000	0.00%	2,000	∞	2,000	0.00%	
Contingencies	8980.006	0	104,370	0.00%	0	108,585	0.00%	0	∞	66,845	∞	bg
<i>Total Other Expense</i>		0	111,370	0.00%	120	115,585	0.10%	7,000	5833.33%	73,845	954.93%	
Subtotal Operating Expense		2,311,447	2,713,652	85.18%	2,852,176	2,855,757	99.87%	3,273,836	114.78%	3,467,143	5.90%	
Depreciation Expense	8997.006	2,143,450	2,300,000	93.19%	2,300,000	2,300,000	100.00%	2,300,000	100.00%	2,300,000	0.00%	
Total Operating Expense		4,454,897	5,013,652	88.86%	5,152,176	5,155,757	99.93%	5,573,836	108.18%	5,767,143	3.47%	

**Carmel Area Wastewater District
Treatment: 2020-21 Operating Expense Budget**

Note	<u>No.</u>	<u>Description</u>	<u>Comments</u>
	i	Salaries	20-21 COLA \$4.1%; 21-22 COLA 4.0%, plus step increases
	ii	Health insurance	Blue Cross Base plan Lumenos 3000 PPO; EE share 100%, ER share 90% ; 9% increase in premium cost each Classic 8.794% and PEPRA 7.732% contribution; 20-21 UAL Classic \$30,706 and PEPRA \$5,112; 21-22 UAL Classic \$42,418 and PEPRA \$5,252
	iii	Retirement Plan - CalPERS	
	iv	Workers Compensation	Assumes experience mod factor of 1.03 for both budget years
	v	Dental Insurance/Claims	Five year average \$4,274
	vi	HSAs contributions	HSA EE only \$200/mo, EE+1 \$325/mo, EE+Family \$400/mo
	vii	Employee Assistance Program	Assumes 3% increase for each budget year
	a	Consulting Fees	Biowin (\$50k), Possible Groundwater Well (\$50K) Coastal Hazards Monitoring Plan 20-21 \$150K; 21-22 \$75K Coastal Hazards Response Plan 20-21 \$150K; 21-22 \$100K Miscellaneous Technical Studies re Sea Level Rise 20-21- \$125K; 21-22 \$125K
	b	Legal Fees	Source Control Review, \$15,000, Unexpected Consultations \$35,000
	c	Computers & Equip	Two replacement computer per Exceedio's schedule-\$3500, one replacement cell phone \$1500
	d	Furnishings & fixtures	misc bookcases, replacement chairs
	e	Paper & printing	Business cards \$200, Source Control forms/brochures-\$1800, Public notices/hearings \$2,500
	f	Office supplies	General plant office supplies shared by all departments, pencils/pen/staples/notes pads/log books
	g	Chemicals	Misc. chemicals (i.e. Potassium Iodide crystals for Chlorine analyzers calibration)
	h	Sodium bisulfite	Estimated increase of 15% annual usage. Bulk of costs is reimbursed by the Reclamation project
	i	Sodium hypochlorite	Estimated Sodium Hypochlorite solution including a 15% increase. Approx 60% costs is reimbursed by the Reclamation project
	j	Ferric chloride	Chemical used for Digester H2S removal. Reflects new Air Board permit requirement for the new waste burner.
	k	Polymer	Chemical used for dewatering and sludge thickening (40% CAWD/60% REC)
	l	Acetic Acid	Chemical used for the Chlorine and De-Chlor analyzers
	m	Iodine solution	Chemicals used for Chlorine analyzers
	n	Potassium iodate	Chemicals used for Chlorine analyzers
	o	Laboratory	Vendor increases 5% \$35,532, Gallery Module \$ 700, Peninsula Welding \$700, Culligan Water \$300, Lab Dessicator \$2,200
	p	Personnel	Bottled water, lunchroom supplies
	q	Radios & supplies	Allowance for replacing any damaged radios, supplies, and batteries.
	r	Hand tools	For new and replacement tools for operators and Source Control (primarily small tools)
	s	General supplies	Vendor consumables with a 4% increase

**Carmel Area Wastewater District
Treatment: 2020-21 Operating Expense Budget**

Note	<u>No.</u>	<u>Description</u>	<u>Comments</u>
	t	Source control	Gloves, traffic control, tools, safety equipment \$1100
	u	Sludge Haul/Disposal	1900 tons @ \$52/ton
	v	Network Administration	LIMS annual renewal \$6,854 50/50 split, Ignition software annual renewal \$6,600, eNPDES (Johnson's program)-\$1,600, Turf Image-annual fee and development \$7,200, Eaton service \$3,590 50/50 split, Exceedio annual network equipment service(\$35,000) covers Lab, Maintenance, and Operations, SCADA network (\$10,500) 50/50 split, equipment service-tables, cell phones, (\$2,000 50/50 split), ATL customization \$2,000
	w	Laboratory Analysis	Ocean Outfall monitoring (Pacific Ecorisk) \$14,670, General Contact Laboratory (MBAS/FGL laboratories \$23,340)
	x	Alarm System	First Alarm-alarm monitoring service and cellular back-up-\$3,912/yr, Mission System for three units(Inf, Inf manhole, and Eff building)-\$3,600 (\$1,200 each)
	y	Copier Service	Copy (usage spans all departments at the treatment plant)
	z	Laundry	Ops & Lab uniforms \$12,500, replacement shirt/pants and sweatshirts \$500
	aa	Grit & Screening Disposal	Waste Management 21 dumpsters @ \$1,100/dumpster
	ab	Sewer/pre-treatment ordinance	moved to GL Code 5550.6 paper/printing
	ac	Instrumentation Services	Calibration of liquid and air flow meters (FCI)-\$8,184, Suspended Solids probes (Hach)\$5,760, Gallery \$5,200 50/50 split, TOC \$4,223 50/50 split, EATON battery Back-up \$3,780 50/50 split
	ad	Hazardous chemical disposal	Disposal from Laboratory chemicals each fiscal year \$1,000
	ae	Outfall Inspection	Annual Outfall Inspection per the NPDES permit-expected 15% increase 2020/21, 5% increase 2021/22) \$12,650
	af	Lagoon inspection	Inspection of underwater pipe \$5,000
	ag	Consulting - Coastal Comm	Retainer for Susan McCabe and David Goldberg.
	ah	General Repairs	Emergency repairs
	ai	Lab Equipment	Sampler sled \$2500 50/50 split, Q quantitray sealer \$4100 50/50 split, BOD motor \$1000 50/50 split, pH probes \$500 50/50 split, lab cart battery \$800 50/50 split, Balances \$1,600 50/50 split, microscope \$1,500, moisture balance \$2,500, coliform UV lamp \$500 50/50 split
	aj	Headworks - Primary	Influent flow meter calibration \$1,000, Replacement pH probe \$1,000, skimmer blade supplies \$2,750, Influent-PHI \$1000 (SCADA Connection), Kaeser compressor \$3000 outside services, flowmeter calibration \$1,000, skimmer blade supplies \$700
	ak	IPS/EPS/DAF	
	al	Effluent/Outfall	Analyzer supplies \$3,500, Cathodic Protection inspection \$5,000, flowmeter calibrations \$1,000
	am	Disinfection (Hypo/SBS/CDC)	flowmeter calibration \$1000, chemical pump parts \$2,500, analyzer parts \$3,500,
	an	Dewatering/DIG	flowmeter calibration-liquid and gas 3,000, chemical pump repair parts \$1,500, polyblend parts including DAFT Unit \$3,500.

**Carmel Area Wastewater District
Treatment: 2020-21 Operating Expense Budget**

Note

<u>No.</u>	<u>Description</u>	<u>Comments</u>
ao	Aeration - Secondary	Suspended solids probe supplies \$500, flowmeter calibration \$2,000, skimmer blade supplies \$1,500, ORP probe \$1,000, portable LDO meter supplies \$1,100
ap	Electricity - Secondary	Increase by 10% due to PG&E bankruptcy filing
aq	Gas	Used to augment Digester heating, feeds all building heaters
ar	Propane	Forklift-Shared with all other departments
as	Water	Shared with all other departments
at	Cable television	Shared with all other departments
au	Fixed Costs	Plant fiber optic \$10,800, VOIP phone system \$8,245. First years estimates
av	Cellular Phones	cell phone and data usage \$3,650
aw	Employee Training	Test Prep classes, Activated Sludge classes, electrical classes, local trainings, supervisor training classes
ax	Conferences	Tri-State, CWEA annual conference, P3S,
ay	Business meetings	\$500 misc meetings
az	Treatment Plant Permits	NPDES, ect
ba	Environmental Health Permit	County permit
bb	Lab Registration Fees	ELAP Fee \$10,662 50/50 split, TNI renewal 50/50 \$1500 split
bc	Employee Certification	8 SWRCB Ops (renew every 3 years) \$1,750
bd	CWEA	CWEA (renew annually) \$700, 11 memberships (annual) \$2,090
be	Lab memberships	NELAC membership annual renewal \$500
bf	Subscriptions/Publications	Continue to add books/manuals to the library for Maintenance, Lab, and Ops staff
bg	Contingencies	2% of O&M Budget

O & M Budget

Administration Dept.

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Description	Account #	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Salaries	5030.007	496,339	572,393	86.71%	639,856	630,650	101.46%	585,622	91.52%	613,798	4.81%	i
Temp Employee		0	0	0.00%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Overtime	5035.007	1,044	0	0.00%	2,661	0	<u>∞</u>	1,000	37.58%	1,000	0.00%	
Allocate to Reclamation			(19,150)	0.00%		(24,715)	0.00%	(38,430)		(38,430)		
<i>Total Salaries</i>		497,383	553,243	89.90%	642,517	605,935	106.04%	548,192	85.32%	576,368	5.14%	
Payroll Taxes	5045.007	37,103	42,323	87.67%	44,795	44,620	100.39%	40,427	90.25%	42,037	3.98%	
Allocate to Reclamation												
<i>Total Payroll Taxes</i>		37,103	42,323	87.67%	44,795	44,620	100.39%	40,427	90.25%	42,037	3.98%	
Employee Benefits:												
Health insurance	5070.007	28,676	103,304	27.76%	24,905	30,675	81.19%	32,489	130.45%	34,951	7.58%	ii
CalPERS pension	5080.007	39,973	49,204	81.24%	52,935	125,090	42.32%	55,935	105.67%	55,782	-0.27%	iii
SAM pension	5090.007	(47,718)	16,795	-284.12%	0	16,795	0.00%	0	<u>∞</u>	0	<u>∞</u>	
Worker's Compensation	5100.007	25,522	28,592	89.26%	29,076	24,000	121.15%	24,000	82.54%	24,000	0.00%	iv
Life Insurance	5110.007	1,237	1,222	101.20%	1,781	1,530	116.41%	1,527	85.74%	1,527	0.00%	
PEHP insurance	5120.007	5,771	5,875	98.23%	8,152	8,035	101.46%	7,470	91.63%	7,820	4.69%	
Dental reimbursement	5130.007	6,150	12,750	48.23%	10,596	10,100	104.91%	9,600	90.60%	9,600	0.00%	v
Vision insurance	5140.007	1,146	1,200	95.53%	1,233	1,800	68.50%	1,800	145.99%	1,800	0.00%	
Disability insurance	5150.007	3,797	5,265	72.11%	5,390	5,620	95.91%	5,200	96.47%	5,460	5.00%	
HSA contributions	5160.007	3,671	0	<u>∞</u>	5,272	5,935	88.83%	7,200	136.57%	7,200	0.00%	vi
HRA contributions	5165.007	219	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
FSA contributions	5170.007	0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Tuition Assistance	5175.007	0	3,000	0.00%	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Employee Assistance Program	5180.007	792	630	125.66%	1,357	795	170.69%	815	60.06%	840	3.07%	vii
Employee Awards	5185.007	539	300	179.58%	(409)	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Annual District picnic	5186.007	3,134	2,500	125.34%	4,922	3,000	164.07%	3,000	60.95%	3,100	3.33%	
Employee BBQ	5187.007	196	500	39.26%	162	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
COBRA insurance	5190.007	0	0	<u>∞</u>	113	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Medical exams	5200.007	0	0	<u>∞</u>	199	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>	
Allocate to Reclamation	5205.007	(14,209)	(8,500)	167.17%	(20,435)	(12,358)	165.36%	(19,215)	94.03%	(19,215)	0.00%	
<i>Total Employee Benefits</i>		58,896	222,637	26.45%	125,249	221,017	56.67%	129,821	103.65%	132,865	2.34%	
Directors Fees												
Regular Board Meetings	5230.007	8,450	8,800	96.02%	9,857	8,800	112.01%	8,800	89.28%	8,800	0.00%	a

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Description	Account #	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
PBCSD - Directors fees	5240.007	1,600	1,750	91.43%	1,629	1,750	93.09%	1,750	107.43%	1,750	0.00%	b
Special Board Meetings	5250.007	3,100	5,700	54.39%	4,029	7,600	53.01%	5,700	141.47%	5,700	0.00%	c
Committee meetings	5260.007	1,400	2,100	66.67%	1,114	2,100	53.05%	2,100	188.51%	2,100	0.00%	d
Special District Assoc.	5265.007	31	0	∞	1,083	0	∞	100	9.23%	100	0.00%	
WaterReuse	5269.007	1,403	300	467.77%	0	300	0.00%	1,500	∞	1,500	0.00%	
CASA - Directors fees	5270.007	0	1,350	0.00%	0	300	0.00%	1,350	∞	1,350	0.00%	
CSDA conference	5271.007	0	0	∞	0	0	∞	0	∞	0	∞	
Training	5275.007	3,806	250	1522.44%	46	0	∞	3,000	6521.74%	0	∞	
Director's Dental Claims	5280.007	12,555	12,000	104.63%	11,856	8,800	134.73%	12,000	101.21%	12,000	0.00%	
<i>Total Directors Fees</i>		32,346	32,250	100.30%	29,614	29,650	99.88%	36,300	122.58%	33,300	-8.26%	e
<i>Trucks & Autos</i>												
Gasoline	5310.007	589	200	294.55%	0	200	0.00%	250	∞	250	0.00%	
Oil & Filters	5330.007	0	0	∞	0	0	∞	0	∞	0	∞	
Tires, Batteries, Service	5340.007	0	100	0.00%	0	100	0.00%	100	∞	100	0.00%	
Outside Repair services	5345.007	0	300	0.00%	898	300	299.33%	300	33.41%	300	0.00%	
Repair parts	5350.007	0	0	∞	78	0	∞	0	0.00%	0	∞	
Vehicle accessories	5360.007	0	0	∞	0	0	∞	0	∞	0	∞	
Smog Check - Vehicles	5380.007	0	110	0.00%	0	110	0.00%	100	∞	100	0.00%	
Cleaning & detailing	5410.007	0	50	0.00%	643	50	1286.00%	50	7.78%	50	0.00%	
Paint & fluids	5420.007	0	0	∞	0	0	∞	0	∞	0	∞	
EE mileage reimbursement	5430.007	0	200	0.00%	0	200	0.00%	100	∞	100	0.00%	
Waste oil & coolant disposal	5440.007	0	0	∞	0	0	∞	0	∞	0	∞	
<i>Total Trucks & Autos</i>		589	960	61.36%	1,619	960	168.65%	900	55.59%	900	0.00%	
<i>Property/Liability Insurance</i>												
Property Insurance	5450.007	550	550	100.00%	1,037	605	171.40%	630	60.75%	660	4.76%	
General Liability	5480.007	7,352	10,150	72.43%	16,629	9,700	171.43%	9,700	58.33%	10,190	5.05%	
Errors & Omissions	5480.007	4,800	4,800	100.00%	8,229	4,800	171.44%	5,520	67.08%	5,800	5.07%	
Commerical Crime Policy	5480.007	1,325	1,325	99.99%	2,486	1,450	171.45%	1,550	62.35%	1,630	5.16%	
Cyber Crime Insurance		1,500	1,500	100.00%	1,179	1,650	71.45%	1,730	146.73%	1,820	5.20%	
<i>Total Insurance</i>		15,527	18,325	84.73%	29,560	18,205	162.37%	19,130	64.72%	20,100	5.07%	f
<i>Audit/Financial Expense</i>	5490.007	27,550	30,600	90.03%	46,629	31,200	149.45%	40,000	85.78%	40,000	0.00%	g

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Description	Account #	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Engineering Fees	5500.007	5,733	125,000	4.59%	274	125,000	0.22%	75,000	27372.26%	125,000	66.67%	h
Attorney Fees												
District Counsel	5510.007	40,275	95,000	42.39%	27,051	40,000	67.63%	50,000	184.84%	50,000	0.00%	
Outside Counsel	5510.007	0	0	∞	0	200,000	0.00%	70,000	∞	70,000	0.00%	i
CASA Conference Attendance	5510.007	0	1,000	0.00%	0	1,000	0.00%	1,000	∞	1,000	0.00%	
<i>Total Attorney Fees</i>		40,275	96,000	41.95%	27,051	241,000	11.22%	121,000	447.30%	121,000	0.00%	
Office Supplies & Service												
Bank fees	5515.007	59	0	∞	283	100	283.00%	150	53.00%	150	0.00%	
Public Outreach & Promotion	5519.007	0	0	∞	3,073	0	∞	1,500	48.81%	1,500	0.00%	
Computers & equipment	5540.007	11,199	10,000	111.99%	20,659	5,000	413.18%	7,500	36.30%	7,500	0.00%	
Furnishings & fixtures	5545.007	8,990	1,000	899.02%	2,590	1,000	259.00%	2,500	96.53%	2,500	0.00%	
Paper & printing	5550.007	2,247	3,500	64.21%	684	3,500	19.54%	3,500	511.70%	3,500	0.00%	
Postage & shipping	5560.007	1,175	2,000	58.74%	1,556	2,000	77.80%	2,000	128.53%	2,000	0.00%	
Office Supplies	5570.007	2,814	3,000	93.80%	3,933	3,000	131.10%	3,000	76.28%	3,000	0.00%	
Equipment rent	5580.007	0	0	∞	0	0	∞	0	∞	0	∞	
Post Office Box Rental	5585.007	182	350	52.00%	350	200	175.00%	300	85.71%	325	8.33%	
Equipment repairs	5590.007	0	0	∞	0	0	∞	0	∞	0	∞	
Temp Services	5595.007	7,953	2,000	397.63%	3,212	2,500	128.48%	3,500	108.97%	3,500	0.00%	j
<i>Total Office Supplies & Svc.</i>		34,619	21,850	158.44%	36,340	17,300	210.06%	23,950	65.91%	23,975	0.10%	
Operating Supplies												
Janitorial Supplies	5730.007	34	500	6.85%	0	500	0.00%	500	∞	500	0.00%	
Personnel Supplies	5740.007	1,101	700	157.28%	599	700	85.57%	1,000	166.94%	1,000	0.00%	
General Operating Supplies	5790.007	294	300	98.12%	45	300	15.00%	300	666.67%	300	0.00%	
<i>Total Operating Supplies</i>		1,430	1,500	95.30%	644	1,500	42.93%	1,800	279.50%	1,800	0.00%	
Contractual Services												
Network Administration	5830.007	19,724	33,000	59.77%	28,479	33,000	86.30%	20,000	70.23%	33,200	66.00%	k
Website Maintenance	5835.007	1,550	1,000	155.00%	12,910	1,000	1291.00%	4,800	37.18%	4,800	0.00%	*
Alarm System	5880.007	1,730	1,300	133.04%	3,339	1,300	256.85%	2,000	59.90%	2,000	0.00%	
HR consulting	5885.007	6,140	0	∞	6,810	11,100	61.35%	10,000	146.84%	10,000	0.00%	l
Janitorial Service	5900.007	2,460	3,610	68.14%	2,460	3,610	68.14%	3,500	142.28%	3,500	0.00%	
Copier/Fax Service	5910.007	7,314	3,800	192.47%	1,935	3,800	50.92%	7,200	372.09%	7,200	0.00%	m
Actuarial Service	5920.007	8,611	15,000	57.41%	14,189	15,000	94.59%	10,000	70.48%	15,000	50.00%	
Laundry	5940.007	0	0	∞	0	0	∞	0	∞	0	∞	

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Description	Account #	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
Payroll Processing	5950.007	7,174	6,700	107.08%	6,906	6,850	100.82%	7,100	102.81%	7,100	0.00%	
Postage software	5960.007	0	0	∞	0	0	∞	0	∞	0	∞	
Data processing - County	5970.007	21,644	22,000	98.38%	22,550	22,550	100.00%	22,550	100.00%	22,800	1.11%	
Landscape Maintenance	5980.007	3,200	6,500	49.23%	6,300	6,500	96.92%	6,500	103.17%	6,500	0.00%	
Other Special Studies/Services	6070.007	17,870	50,000	35.74%	0	50,000	0.00%	25,000	∞	50,000	100.00%	
<i>Total Contractual Services</i>		97,418	142,910	68.17%	105,878	154,710	68.44%	118,650	112.06%	162,100	36.62%	
Repairs & Maintenance	6320.007	3,476	5,000	69.52%	8,722	2,500	348.88%	5,000	57.33%	5,000	0.00%	n
Utilities												
Electricity	6358.007	4,130	4,300	96.05%	5,209	4,300	121.14%	4,300	82.55%	4,300	0.00%	
Gas	6360.007	1,582	1,650	95.86%	2,161	1,650	130.97%	1,650	76.35%	1,650	0.00%	
Water	6380.007	2,306	4,590	50.25%	2,451	4,590	53.40%	4,590	187.27%	4,590	0.00%	
Refuse Collection	6385.007	600	675	88.84%	711	675	105.33%	675	94.94%	675	0.00%	
<i>Total Utilities</i>		8,618	11,215	76.84%	10,532	11,215	93.91%	11,215	106.48%	11,215	0.00%	
Telephone												
Fixed Costs	6392.007	7,741	7,300	106.04%	5,370	7,300	73.56%	7,600	141.53%	7,700	1.32%	
Cellular Phones	6393.007	986	3,200	30.81%	1,002	3,200	31.31%	3,000	299.40%	3,100	3.33%	
Telephone - Repairs & Equip	6394.007	2,327	0	∞	0	0	∞	0	∞	0	∞	
<i>Total Telephone</i>		11,054	10,500	105.28%	6,372	10,500	60.69%	10,600	166.35%	10,800	1.89%	
Travel & Training												
Employee Training	6420.007	7,874	36,250	21.72%	5,000	10,000	50.00%	10,000	200.00%	10,000	0.00%	
Conferences	6430.007	2,080	7,000	29.72%	4,645	10,000	46.45%	10,000	215.29%	10,000	0.00%	
Business Meetings - Tri Tac	6440.007	1,260	1,500	83.99%	2,867	1,700	168.65%	1,700	59.30%	1,700	0.00%	
<i>Total Travel & Meetings</i>		11,214	44,750	25.06%	12,512	21,700	57.66%	21,700	173.43%	21,700	0.00%	
Membership/Subscriptions												
LAFCO Admin Fee	6520.007	24,302	24,052	101.04%	33,243	19,392	171.43%	22,000	66.18%	24,000	9.09%	
Employee certifications	6550.007	115	200	57.50%	0	200	0.00%	200	∞	200	0.00%	
Memberships												
CWEA	6560.007	328	0	∞	0	0	∞	0	∞	0	∞	
CASA	6570.007	13,370	13,000	102.85%	22,920	13,250	172.98%	23,722	103.50%	24,552	3.50%	
ASCE	6575.007	0	300	0.00%	0	300	0.00%	300	∞	300	0.00%	
WEF	6580.007	328	0	∞	0	570	0.00%	350	∞	350	0.00%	

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Description	Account #	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr. Budget	Notes
		Actual	Budget	% of Budget	Actual	Budget	% of Budget					
CSDA	6590.007	7,252	7,000	103.60%	13,054	7,000	186.49%	7,752	59.38%	7,907	2.00%	
WaterReuse Association	6600.007	0	250	0.00%	0	700	0.00%	300	∞	300	0.00%	
GFOA	6610.007	160	175	91.43%	0	175	0.00%	175	∞	175	0.00%	
Mty Bay Employ Relations	6620.007	0	0	∞	0	0	∞	0	∞	0	∞	
Water Awareness Committee	6625.007	1,000	0	∞	1,714	0	∞	1,000	58.34%	1,000	0.00%	
National Notary Assoc.	6630.007	0	0	∞	0	0	∞	0	∞	0	∞	
Other	6635.007	3,415	4,000	85.38%	6,146	4,200	146.33%	3,500	56.95%	3,500	0.00%	
Subscriptions/Publications	6640.007	713	1,250	57.00%	654	1,250	52.32%	750	114.68%	750	0.00%	
Calif Chamber of Commerce	6645.007	649	0	∞	1,113	0	∞	650	58.40%	650	0.00%	
<i>Total Membership/Subscrip.</i>		51,632	50,227	102.80%	78,844	47,037	167.62%	60,699	76.99%	63,685	4.92%	
<i>Other Expenses</i>												
Fire extinguisher	6730.007	0	200	0.00%	54	200	27.00%	200	370.37%	200	0.00%	
Safety supplies	6735.007	0	0	∞	0	0	∞	0	∞	0	∞	
Uniforms, boots, gear	6750.007	129	0	∞	0	0	∞	130	∞	130	0.00%	
Training	6760.007	1,181	1,500	78.75%	2,682	1,000	268.20%	1,500	55.93%	1,500	0.00%	
Recruitment	8910.007	13,155	5,000	263.09%	0	5,000	0.00%	0	∞	0	∞	
Legal Notices	8920.007	405	2,000	20.25%	437	2,000	21.85%	2,000	457.67%	2,000	0.00%	
Rate Payer Claims	8930.007	976	2,500	39.03%	0	2,500	0.00%	2,500	∞	2,500	0.00%	
CAWD Newsletter	8940.007	31,249	28,500	109.65%	31,000	30,210	102.62%	32,000	103.23%	33,500	4.69%	
Contingency	8980.007	0	61,120	0.00%	0	61,205	0.00%	0	∞	31,320	∞	
Miscellaneous Expense	8989.007	0	62,400	0.00%	0	0	∞	0	∞	0	∞	
<i>Total Other Expense</i>		47,095	163,220	28.85%	34,173	102,115	33.47%	38,330	112.16%	71,150	85.62%	
Subtotal Operating Expense		981,957	1,572,510	62.45%	1,241,325	1,686,164	73.62%	1,302,714	104.95%	1,462,995	12.30%	
Depreciation Expense	8997.007	30,442	34,000	89.54%	34,000	34,000	100.00%	34,000	100.00%	34,000	0.00%	
Amortization Expense	8998.007	0	4,860	0.00%	4,860	4,860	100.00%	4,860	100.00%	4,860	0.00%	
Total Operating Expense		1,012,399	1,611,370	62.83%	1,280,185	1,725,024	74.21%	1,341,574	104.80%	1,501,855	11.95%	

**Carmel Area Wastewater District
Administration: 2020-21 Operating Expense Budget**

Note

<u>No.</u>	<u>Description</u>	<u>Comments</u>
i	Salaries	20-21 COLA \$4.1%; 21-22 COLA 4.0%, plus step increases
ii	Health insurance	Blue Cross Base plan Lumenos 3000 PPO; EE share 100%, ER share 90% ; 9% increase in premium cost each calendar year
iii	Retirement Plan - CalPERS	Classic 8.794% and PEPRA 7.732% contribution; 20-21 UAL Classic \$30,706 and PEPRA \$5,112; 21-22 UAL Classic \$42,418 and PEPRA \$5,252
iv	Workers Compensation	Assumes experience mod factor of 1.03 for both budget years
v	Dental Insurance/Claims	Five year average \$9,271
vi	HSA contributions	HSA EE only \$200/mo, EE+1 \$325/mo, EE+Family \$400/mo
vii	Employee Assistance Program	Assumes 3% increase for each budget year
a	Regular Board Meetings	11 Regular meetings @ \$150/ea plus President @ \$200
b	PBCSD - Directors fees	11 Regular meetings @ \$150/ea plus President @ \$200
c	Special Board Meetings	8 Special meetings @ \$150/ea plus President \$200
d	Committee meetings	Committee meetings \$50/ea
e	Director's Dental Claims	Five year average \$9,715
f	Property/Liability Insurance	Assumes 5-10% increase
g	Audit/Financial Expense	Includes regular annual audit plus Single Audit for grants in excess of \$750K
h	Engineering	Assumes continued work on EPB supporting tech memos and representation
i	Outside Counsel	Assumes continued use of outside counsel for EPB and Coastal work
j	Temp Services	Assumes continued use of temp services for scanning projects
k	Network Administration	IT consulting work, software licenses, network consulting
l	HR Consulting	Outside consultant @ \$65K/yr
m	Copier/Fax Service	Reflects cost of color copying
n	Repairs & Maintenance	General repairs and maintenance to Admin office/parking lot
o	Contingency	2% of O&M budget

O & M Budget Reclamation

Carmel Area Wastewater District
Reclamation: Operations Budget 2020-21

Description	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
	Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Plant Salaries, Benefits & OH										
Plant Superintendent	23,564	20,610	114.33%	19,850	21,230	93.50%	22,100	111.33%	22,984	4.00%
Laboratory Supervisor	25,884	38,830	66.66%	28,204	39,995	70.52%	41,600	147.50%	43,264	4.00%
Laboratory Technician	65,413	57,650	113.47%	72,259	59,380	121.69%	61,800	85.53%	64,272	4.00%
Plant Operators	147,824	139,870	105.69%	149,393	144,065	103.70%	149,800	100.27%	155,792	4.00%
Maintenance Supervisor	14,849	0	∞	12,302	0	∞	12,800	104.05%	13,312	4.00%
Maintenance Mechanics	22,426	2,865	782.77%	21,809	2,950	739.28%	3,100	14.21%	3,224	4.00%
Safety Officer	6,820	0	∞	8,683	0	∞	9,000	103.66%	9,360	4.00%
Differential	12,227	11,735	104.19%	17,204	12,090	142.30%	12,600	73.24%	13,104	4.00%
Payroll Taxes, Benefits, & OH	159,503	135,780	117.47%	164,852	139,855	117.87%	156,400	94.87%	162,656	4.00%
<i>subtotal</i>	478,510	407,340	117.47%	494,555	419,565	117.87%	469,200	94.87%	487,968	4.00%
Administrative Salaries										
General Manager	1,720	1,280	134.39%	943	1,320	71.42%	1,350	143.20%	1,350	0.00%
Project Accountant	10,840	13,245	81.84%	11,655	13,645	85.41%	15,540	133.34%	15,540	0.00%
Engineering	15,858	3,120	508.27%	23,164	3,210	721.63%	15,000	64.76%	15,000	0.00%
Admin. Svcs/Scanner	10,641	6,350	167.57%	7,092	6,540	108.45%	6,540	92.21%	6,540	0.00%
Payroll Taxes, Benefits, & OH	19,529	11,998	162.78%	42,854	12,358	346.77%	19,215	44.84%	19,215	0.00%
<i>subtotal</i>	58,588	35,993	162.78%	85,708	37,073	231.19%	57,645	67.26%	57,645	0.00%
Directors Fees	1,000	1,000	100.00%	1,000	1,000	100.00%	1,000	100.00%	1,000	0.00%
Insurance	9,331	0	∞	12,461	0	∞	0	∞	0	∞
Operating Supplies/Services	5,206	8,500	61.25%	7,987	8,500	93.96%	8,500	106.42%	8,500	0.00%
Contract Services	1,796	0	∞	638	0	∞	0	0.00%	0	∞
Repairs & Maintenance	4,964	4,300	115.44%	3,956	4,300	91.99%	4,300	108.70%	4,300	0.00%
Safety	1,244	0	∞	205	1,500	13.68%	1,000	487.38%	1,000	0.00%
Total Reimbursable Reclamation	560,639	457,133	122.64%	606,510	471,938	128.51%	541,645	89.31%	560,413	3.47%
Project Expenditures										

O & M Budget

Waste-to-Energy

Carmel Area Wastewater District
Waste to Energy: Operations Budget 2020-21

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries & Payroll Taxes											
Salaries	5030.009	627	0	<u>∞</u>	5,503	100	5503.38%	5,000	90.85%	5,100	2.00%
Payroll taxes	5045.009	49	0	<u>∞</u>	426	8	5324.00%	383	89.81%	390	2.00%
<i>subtotal</i>		675	0	<u>∞</u>	5,929	108	5490.09%	5,383	90.78%	5,490	2.00%
Office Expense											
Paper & printing	5550.009	0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Operating Supplies											
Electrical	5690.009	0	0	<u>∞</u>	6,526	2,000	326.29%	2,500	38.31%	2,600	4.00%
<i>subtotal</i>		0	0	<u>∞</u>	6,526	2,000	326.29%	2,500	38.31%	2,600	4.00%
Repairs & Maintenance											
General Repairs	6095.009	0	0	<u>∞</u>	3,527	0	<u>∞</u>	3,500	99.24%	5,000	42.86%
<i>subtotal</i>		0	0	<u>∞</u>	3,527	0	<u>∞</u>	3,500	99.24%	5,000	42.86%
Permits & Fees											
Dept of Food & Ag	6505.009	0	0	<u>∞</u>	0	7,000	0.00%	7,100	<u>∞</u>	7,100	0.00%
<i>subtotal</i>		0	0	<u>∞</u>	0	7,000	0.00%	7,100	<u>∞</u>	7,100	0.00%
NI Waste to Energy		675	0	<u>∞</u>	15,982	9,108	175.47%	18,483	116%	20,190	9%

O & M Budget Brine Disposal

Carmel Area Wastewater District
Brine Disposal: Operations Budget 2020-21

Description	Acct	2018-19			Estimated thru 06-30-20			Proposed 2020-21 Budget	% Chg. Prior Yr. Actual	Projected 2021-22 Budget	% Chg. Prior Yr Budget
		Actual	Budget	% of Budget	Actual	Budget	% of Budget				
Salaries & Payroll Taxes											
Salaries		2,502	0	<u>∞</u>	2,721	1,310	48.14%	1,750	64.31%	1,750	0.00%
Overtime		39	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Payroll taxes		196	0	<u>∞</u>	208	100	48.04%	134	64.31%	135	0.84%
<i>subtotal</i>		2,738	0	<u>∞</u>	2,929	1,410	48.14%	1,884	64.31%	1,885	0.06%
Office Expense											
Paper & printing			0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Operating Supplies											
Electrical		45	0	<u>∞</u>	57	2,500	4362.24%	1,500	2617.34%	1,500	0.00%
General supplies		728	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		773	0	<u>∞</u>	57	2,500	4362.24%	1,500	2617.34%	1,500	0.00%
Repairs & Maintenance											
General Repairs		27	0	<u>∞</u>	3,151	2,000	63.46%	4,000	126.93%	3,500	-12.50%
Plant Pumps		0	0	<u>∞</u>	0	0	<u>∞</u>	500	<u>∞</u>	500	0.00%
Centrifugal Pumps		412	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Instruments		674	0	<u>∞</u>	0	2,000	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
Chlorine/Dechlorinator		0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>subtotal</i>		1,113	0	<u>∞</u>	3,151	4,000	126.93%	4,500	142.80%	4,000	-11.11%
Safety supplies		0	0	<u>∞</u>	0	0	<u>∞</u>	0	<u>∞</u>	0	<u>∞</u>
<i>NI Waste to Energy</i>		4,624	0	<u>∞</u>	6,138	7,910	128.87%	7,884	128.45%	7,385	-6.33%

Capital Budget Summary

2020-2021

Carmel Area Wastewater District
Capital Budget Summary 2020-21

ITEM	ALLOCATION						Totals
	Admin	Maintenance	Collection	Treatment	PBCSD	Reclamation	
1 CIP Projects for Administration	0						0
2 CIP Maintenance - Plant		0					0
3 CIP Projects for Collection System			4,645,445				4,645,445
4 CIP Projects for Treatment & Disposal				16,675	8,325		25,000
5 CIP Long Term Capital Plan for Treatment & Disposal				2,226,179	1,111,421	132,400	3,470,000
Total CIP	0	0	4,645,445	2,242,854	1,119,746	132,400	8,140,445
1 Capital Equipment - Administration	0						0
2 Capital Equipment - Maintenance		18,500					18,500
3 Capital Equipment - Collections			160,000				160,000
4 Capital Equipment - Treatment				57,184	28,549	30,733	116,466
Total Capital Outlay	0	18,500	160,000	57,184	28,549	30,733	294,966
Grant Funding			(983,029)	(500,000)	(250,000)		(1,733,029)
Total CIP & Capital Outlay 19-20	0	18,500	3,822,416	1,800,038	898,295	163,133	6,702,382

Capital Budget Summary

2021-2022

Carmel Area Wastewater District
Capital Budget Summary 2021-22

ITEM		ALLOCATION					Recla- mation	Totals
		Admin	Maintenance	Collection	Treatment	PBCSD		
1	CIP Projects for Administration	0						0
2	CIP Maintenance - Plant		0					0
3	CIP Projects for Collection System			2,340,000				2,340,000
4	CIP Projects for Treatment & Disposal				16,675	8,325		25,000
5	CIP Long Term Capital Plan for Treatment & Disposal				4,745,705	2,369,295	269,000	7,384,000
Total CIP		0	0	2,340,000	4,762,380	2,377,620	269,000	9,749,000
1	Capital Equipment - Administration	0						0
2	Capital Equipment - Maintenance		0					0
3	Capital Equipment - Collections			120,000				120,000
4	Capital Equipment - Treatment				18,843	9,407	148,250	176,500
Total Capital Outlay		0	0	120,000	18,843	9,407	148,250	296,500
Grant Funding					(3,068,200)	(1,531,800)		(4,600,000)
Total CIP & Capital Outlay 20-21		0	0	2,460,000	1,713,023	855,227	417,250	5,445,500

Capital Budget Maintenance – Equipment

1 FY 2020-21 Budget
Carmel Area Wastewater District

Project Name: Food Waste Receiving Pump
 Dept: Food Waste Receiving Pump
 Total Cost: \$ 18,500
 CY Budget \$ 18,500
 GL Account: .8 Grease

Contact: Foley
 Area: Misc Structures
 Asset Type: Process Equip (Liquid)
 Avg Useful Life: 20 years
 Est Residual Life 1 year
 % Consumed Lif 0
 Category: Capital Equipment
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

New two horsepower positive displacement pump that will be installed at the food waste receiving facility.

Year Built: 2020
 Rehabilitation Date (Extending life of Asset): NA
 Rehab Life Extension: NA
 Asset Condition Rating: NA

Justification

This equipment would be installed at the food waste receiving facility. The style of pump is a double disc positive displacement pump. The pump will have thermal protection and be glass lined to better protect the pump from nails, rocks and other debris that may be in the pumping trucks. There is no up front cost to try the pump so the purchase will only be completed if the pump is proven to be a good solution. The existing progressive cavity pump has failed twice in one year and cost \$5000 in labor and parts to rebuild for each failure. Food waste is then diverted to the head of the plant until the pump can be repaired. This negatively impacts the plant biological process and increases the energy consumption of the aeration basins. The long term goal is to have a reliable food waste receiving facility that will feed the digester so that more methane gas is produced that can be used in the microturbines to make energy and heat. This pump will help us move closer to this goal.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
 Maintenance Risk Management Corrective Maintenance
 Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Budget 100% Secondary Capital Budget

Budget Impact/Other

	Prior Yr	19-20	20-21	21-22	22-23	23-24	24-25	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies accessories		\$ 1,000						\$ 1,000
Chemicals								\$ -
Utility								\$ -
Other Vehicle cost		\$ 17,500						\$ 17,500
Total		\$ 18,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,500

**Capital Budget
Collections Dept –
Capital Purchases**

CAWD Collections Dept - Capital Equipment

FY 2020/21 thru 2025/26

Project #	PROJECT	20/21	21/22	22/23	23/24	24/25	Unscheduled
1	Replace Generac Portable Generator	\$ 80,000					
2	Replace Pump Round Truck (# 8)	\$ 80,000					
3	Replace existing collections CMMS		\$ 120,000				
4	Replace Collection Superintendent Truck (#17)			\$ 45,000			
5	Replace Pumps at Monte Verde Pump Station				\$ 25,000		
6	Replace Pumps at Bay & Scenic Pump Station				\$ 25,000		
	TREATMENT & DISPOSAL TOTAL	\$ 160,000	\$ 120,000	\$ 45,000	\$ 50,000	\$ -	
	RECLAMATION SHARE	\$ -	\$ -	\$ -	\$ -	\$ -	
	PBCSD SHARE	\$ -	\$ -	\$ -	\$ -	\$ -	
	CAWD COST	\$ 160,000	\$ 120,000	\$ 45,000	\$ 50,000	\$ -	

1 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Pump Station
Asset Type: Vehicle Fleet
Avg Useful Life: 20 years
Est Residual Life: 1 year
% Consumed Life: 75
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Project Name: Replace Generac Portable Generator
Dept: Collections
Total Cost: \$ 80,000
CY Budget \$ 80,000
GL Account:

Asset Description

The 1999 Generac 44 kW 270/480 volt 61 amp 3 phase portable diesel generator is typically used at the Bay and Scenic pump station but is also capable of providing back up power for all pump stations. Currently, all the stations are undergoing compatibility upgrades so this Generator can be deployed and quickly connected at all stations. Additionally, this generator is set up to run a bypass pump in the event of an emergency or through routine maintenance. This generator may also be utilized at the plant on a nonemergency basis.

Year Built: 1999
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 7 Significant Deterioration

Justification

Recent maintenance and load testing had increased the reliability of this unit for a few additional years but it is now time to replace this generator. The two areas of major concern are: (1) generators get deployed in residential areas & the generator is noisy and (2) the current generator will not meet the new emissions standards. Quieting technologies have improved over the last couple of decades and emissions standards have become more stringent. This generator is a tier 0 motor in regards to emissions and the Air Board is requiring tier 4 motors by 2020.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies	\$	80,000					\$	80,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total	\$	80,000			\$	-	\$	80,000

2 FY 2020-21 Budget
Carmel Area Wastewater District

Project Name: Replace Pump Round Truck (# 8)
Dept: Collections
Total Cost: \$ 80,000
CY Budget \$ 80,000
GL Account:

Contact: Lauer
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 10 years
Est Residual Life: 1 year
% Consumed Life: 100
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Asset Description

The Ford F-250 is one of the District's first response vehicles for most emergencies. It is an integral part of the Collections System operations and maintenance. Tools used to mitigate SSO's, equipment to make quick field repairs, paint to mark our sewer lines for Underground Service Alert (USA) requests and equipment used for other repairs as needed are kept in the locked utility storage cabinets. This truck is also the primary vehicle used for towing the standby generators to pump stations. It has a utility bed that provides lots of storage for all the required tools for essential field functions and roof racks to transport lengths of pipe, ladders and other materials. Additionally, this truck is the only vehicle with a crane on it, which is used to hoist pumps into and out of wet wells for service and replacement. The crane is also used at the treatment plant when needed.

Note: Life of asset is based on # years plus mileage

Year Built: 2009
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 7 Significant Deterioration

Justification

This truck's mileage is currently 76,963 and is showing the results of wear and tear for a ten year old truck that is regularly used. The truck has an ongoing oil leak in the rear main oil seal and the repair of this one problem is estimated to cost \$6K. With it's mileage and age it is anticipated to continue to need repairs in the next few years that will require it to be out of service. This is a vehicle that needs to be reliable and available at all times. This is an opportunity to install a larger crane that can be used at the treatment plant as well as in collections.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies	\$	80,000					\$	80,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total	\$	80,000	\$	-	\$	-	\$	-
								80,000

3 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Sewer Lines
Asset Type: Support Equipment
Avg Useful Life: 20 years
Est Residual Life: 1 year
% Consumed Life: 98
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Replace Collections Computerized Maintenance Management System (CMMS)
Dept: Collections
Total Cost: \$ 90,000
CY Budget \$ -
GL Account:

Asset Description

This is a CMMS specifically for the collections system named ICOM that is owned by RedZone Robotics. ICOM is used to store pipeline cleaning and inspection history, as well as produce work orders to hydro clean and CCTV pipelines on a regular schedule set for the each asset.

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

Justification

The ICOM program was purchased by the District in 2007 and was upgraded in 2012. In 2012 the company was purchased by RedZone Robotics who have over the past 8 years stopped upgrading the product and closed the west coast offices for support of the program. Over the past few years the annual cost of the program was \$4,000 but we were informed by RedZone that the annual support will be increasing to \$13K this year. The current standard for CMMS technology is to have GIS based mapping of collection system assets and work orders for each asset that can be accessed through the cloud from a device that has internet capabilities. This will allow our field crews to receive and complete a work order in the field rather than at a computer in the office. ICOM does not do this and RedZone will not be investing in upgrades to ICOM to compete with other available CMMS providers. Due to the increased annual cost and the need to keep up with the basic standards for collection system management, we recommend investing in a new system. The software cost is estimated at \$90K, integration of data and the cost for exceedio to install the software is anticipated to cost \$30K.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies		\$	90,000				\$	90,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000

4 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Vehicle
Asset Type: Vehicle Fleet
Avg Useful Life: 10 years
Est Residual Life: 5 years
% Consumed Life 75
Category: Capital Equipment
Urgency: 4 = Less Important
Carry Forward: No

Project Name: Replace Collection Superintendent Truck (#17)
Dept: Collections
Total Cost: \$ 45,000
CY Budget \$ -
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 85,000 miles on it.

Year Built: 2009
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 5 Moderate Deterioration

Justification

Replacement of the 2009 Chevy 4x4 (Unit #17) which currently has 85,000 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.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering								
Parts & Supplies			\$ 45,000				\$	45,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000

5 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Pump Station
Asset Type: Pump Station
Avg Useful Life: 20 years
Est Residual Life: 5 years
% Consumed Life: 75
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Project Name: Replace Pumps at Monte Verde Pump Station
Dept: Collections
Total Cost: \$ 25,000
CY Budget \$ -
GL Account:

Asset Description

Flygt model 3127 pumps at Monte Verde and 16th pump station. These pumps were installed in the wet well at Monte Verde during the station upgrade in 2003.

Year Built: 2003
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 3 Minor Defects Only

Justification

At the anticipated time of replacement, the pumps will be almost 20 years old and will not be as efficient as new pumps leading to higher costs of operation. Over time, cavitation can cause pitting on the impellers which causes imbalances that lead to vibration wear. Rocks and metals can find their way into the sewer causing damage as they crack, pit, and break the impellers and volutes. This pump will be replaced at the time of failure. At that time, the cost to rebuild the pump will be about the same as purchasing a new pump.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies					\$ 25,000		\$	25,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ -	\$ 25,000		\$ -	\$ 25,000

6 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lauer
Area: Pump Station
Asset Type: Pump Station
Avg Useful Life: 20 years
Est Residual Life: 5 years
% Consumed Life: 75
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: No

Project Name: Replace Pumps at Bay & Scenic Pump Station
Dept: Collections
Total Cost: \$ 25,000
CY Budget \$ -
GL Account:

Asset Description

Flygt model 3127 pumps at Bay & Scenic pump station. These pumps are a dry pit installation that took place during the station upgrade in 2004.

Year Built: 2004
Rehabilitation Date (Extending life of Asset): n/a
Rehab Life Extension: n/a
Asset Condition Rating: 3 Minor Defects Only

Justification

At the anticipated time of replacement, the pumps will be almost 20 years old and will not be as efficient as new pumps leading to higher costs of operation. Over time, cavitation can cause pitting on the impellers which causes imbalances that lead to vibration wear. Rocks and metals can find their way into the sewer causing damage as the crack, pit, and break the impellers and volutes. This pump will be replaced at the time of failure. At that time, the cost to rebuild the pump will be about the same as purchasing a new pump.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies				\$	25,000		\$	25,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000

**Capital Budget
Collections Dept.
Capital Improvement Projects**

Project #	PROJECT	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	Unscheduled	Total
1	Carmel Meadows Pipeline (Carry Over)	\$185,445	\$1,000,000											\$1,185,445
2	Hatton Canyon Pipeline Pipe Bursting	\$1,450,000												\$1,450,000
3	Upper Rancho Canada Pipe Relocation	\$1,760,000												\$1,760,000
4	Bay/Scenic PS Rehabilitation	\$100,000	\$150,000	\$350,000										\$600,000
5	Scenic Pipe Bursting - Ocean to Bay	\$200,000	\$600,000	\$600,000										\$1,400,000
6	Pescadero Creek Area Pipe Rehab		\$250,000	\$1,250,000										\$1,500,000
7	Electrical Upgrades at Hacienda Pump Station		\$140,000											\$140,000
8	Monte Verde PS and Sewers- South of Santa Lucia			\$250,000	\$1,500,000	\$500,000								\$2,250,000
9	11th- Junipero to Rio Road				\$250,000	\$1,500,000								\$1,750,000
10	Carmel Woods Sewer Rehabilitation					\$400,000	\$2,300,000							\$2,700,000
11	Calle La Cruz PS Relocation/Rehab					\$150,000	\$150,000	\$800,000						\$1,100,000
12	Mission & San Carlos -Ocean to 2nd						\$150,000	\$1,008,000						\$1,158,000
13	Dolores Stereet Pipe Bursting 4th to 10th							\$150,000	\$864,000					\$1,014,000
14	Hacienda PS area sewer upsizing							\$200,000	\$1,000,000	\$1,808,000				\$3,008,000
15	Lincoln Street Pipe Bursting 4th to 10th								\$150,000		\$864,000			\$1,014,000
16	Santa Rita and Guadalupe-Pipe bursting Ocean to Serra									\$250,000	\$1,728,000			\$1,978,000
17	Camino Real-between 4th & Walker Avenue									\$150,000	\$100,000	\$1,555,200		\$1,805,200
18	Manhole Rehabilitation				\$270,000			\$270,000						\$540,000
19	Point Repairs @ various locations								\$400,000	\$200,000		\$500,000		\$1,100,000
20	Upsize Rancho Canada Subdivision Trunkline												\$410,000	\$410,000
21	Rio Road Bioswale- Pipeline Replacement												\$800,000	\$800,000
22	Dewatering Pit at Treatment Plant (30% Treatment)												\$70,000	\$70,000
23	Highlands Line Cleaning		\$200,000											
24	Manhole Condition Assessment			\$200,000										
25	Rio Road CIPP Lining Project (Carry over)	\$950,000												
	Collections TOTAL	\$4,645,445	\$2,340,000	\$2,650,000	\$2,020,000	\$2,550,000	\$2,600,000	\$2,428,000	\$2,414,000	\$2,408,000	\$2,692,000	\$2,055,200	\$1,280,000	\$30,082.64
	FEMA Grant Funding	\$983,029	\$0	\$0	\$0	\$0							\$0	\$983,029
	PBCSD Share	\$0											\$0	
	CAWD COST	\$3,662,416	\$2,340,000	\$2,650,000	\$2,020,000	\$2,550,000	\$2,600,000	\$2,428,000	\$2,414,000	\$2,408,000	\$2,692,000	\$2,055,200	\$1,280,000	\$29,099.61

1 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Collections Force
Asset Type: N/A
Avg Useful Life: 40 years
Est Residual Life: 5 years
% Consumed Life: 98%
Category: Capital Improvement
Urgency: 1 = Critical
Carry Forward: yes

Project Name: Carmel Meadows Pipeline (Carry Over)
Project Number: 19-03
Dept.: Collections
10 yr. Cap Projection: \$ 1,185,445
CY Budget \$ 185,445
GL Account:

Asset Description

The project consists of removing eight manholes and 1300 feet of Ductile Iron Pipe (DIP) on a aerial span. The sewerline flows will be directed to a small pump station at the end of Mariposa Drive and pumped into the existing force main on Ribera Road to Calle la Cruz Pump Station. This project is located on a easement parallel to Ribera Road and was originally installed in the early 1960's.

Year Built: 1960's
Rehabilitation Date (Extending life of Asset): 2021-22
Rehab Life Extension: 60
Asset Condition Rating: PACP =5

Justification

This pipeline is located on aerial supports downhill of the homes and directly above Carmel Lagoon. There have been multiple spills along this pipeline. The expansion of the lagoon has resulted in ponding water adjacent to the footings of the aerial supports which are slowly being undermined. Future work by others to increase flows in the lagoon will exacerbate this problem and the best solution is to remove the pipeline from this location. The project includes removing the existing pipe supports and returning landscape to a natural state.

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.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor			1000000					\$ 1,000,000
Engineering & Environmental	\$ 100,000	\$ 185,445						\$ 285,445
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ 185,445	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,285,445

2 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Sewer Lines
Asset Type: Collections Gravity
Avg Useful Life: 40 years
Est Residual Life: 1 year
% Consumed Life: 98%
Category: Capital Improvement
Urgency: 1 = Critical
Carry Forward: No

Project Name: Hatton Canyon Pipeline Pipe Bursting
Project Number: 18-17
Dept.: Collections
5 yr. Cap Projection: \$ 682,019
CY Budget \$ 466,971
GL Account:

Asset Description
Eight inch diameter Vitrified Clay Pipe (VCP) sewer collection line located in an easement on State Parks land in Hatton Canyon. The pipeline's bell and spigot connections are not strong enough to stay in place when the area is flooded during rain events and roadway failures. The pipeline was originally constructed over 60 years ago and is about a mile in length, spanning from Carmel High School to Carmel Valley Road.

Year Built: 1960s
Rehabilitation Date (Extending life of Asset): 2020
Rehab Life Extension: 50
Asset Condition Rating: PACP=5

Justification
The District has had three major overflows over the past 20 years. The District experienced a large SSO resulting in 145,000 gallons of sewage flowing directly into the Hatton creek and then into the Carmel river ultimately ending up in the Ocean. MNS Engineering completed the design for the replacement of this sewer line and all permitting has been received. FEMA has awarded the district \$983,029 for construction of the project. Construction will begin in June 2020.

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

Funding Source
Primary Capital Reserves Secondary Grant Funding

Budget Impact/Other	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor		1,450,000						\$ 1,450,000
Engineering	\$215,048							\$215,048
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other - Grant		\$ (983,029)						\$ (983,029)
Total		\$ 466,971	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 682,019

3 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Avg Useful Life: 50 years

Est Residual Life: 1 year

% Consumed Life: 100%

Category: Capital Improvement

Urgency: 2 = Very Important

Carry Forward: No

Project Name: Upper Rancho Canada Pipe Relocation
Project Number: 19-13
Dept.: Collections
5 yr. Cap Projection: \$ 1,916,488
CY Budget \$ 1,760,000
GL Account:

Asset Description

This project will relocate an existing sewer trunkline that serves the eastern most portion of the District and is located within the proposed Regional Park at Rancho Canada. The trunkline varies in size from 12 inch to 8 inch and is Truss pipe material that was installed in the early 1970's. It is planned to convert one of the golf courses to a subdivision of Single Family Dwellings (SFD's) and donated the other golf course land to Monterey Regional Park System.

Year Built: 1966
Rehabilitation Date (Extending life of Asset): 2021
Rehab Life Extension: 100 years
Asset Condition Rating: Capacity Issues =5

Justification

The current alignment of the trunkline followed a farm road that no longer exists. The manholes are difficult to access and some have been covered by structures and soil. Staff has approached the Regional Park District with plans to realign the pipeline to more accessible locations that will be incorporated into the future park design. In addition, our capacity analysis of the trunkline indicates that currently it is undersized for the wet weather capacity. The project will include roughly 1,900 ft. of pipe replacement and 6 manholes. A repayment formula for new connections will be developed as part of this project.

Reimbursement plan for additional connections will be based on formula (estimated contribution to flow/total flows) x total shared costs.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor	\$	1,760,000						\$ 1,760,000
Engineering & Environmental	\$156,488							\$156,488
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ 1,760,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,916,488

4 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Collections Gravity
Asset Type: N/A
Avg Useful Life: 40 years

Est Residual Life: 5 years
% Consumed Life: 98%
Category: Capital Improvement
Urgency: 2 = Very Important
Carry Forward: No

Project Name: Bay/Scenic PS Rehabilitation
Project Number:
Dept.: Collections
5 yr. Cap Projection: \$ 600,000
CY Budget \$ 100,000
GL Account:

Asset Description

Bay & Scenic pump station is currently serving more than 200 properties in the Carmel Point area and has been in service since the 1950's. It is an important asset to prevent sewage from spilling into the ocean.

Year Built: 1950's
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension: 30
Asset Condition Rating: 8

Justification

This pump station is located adjacent to the Pacific Ocean underneath a public roadway. Due to the existing topography, this pump station cannot be relocated or otherwise decommissioned. For several years staff has observed erosion and deterioration of the decorative Carmel stone facade that protects the pump station from ocean forces during high tides and storm surges. In 2008 the County performed hardscaping (shotcrete) of some of the banks adjacent to the pump station to protect the slopes and extend the life of the roadway. Since that time erosion of the sandstone protecting the pump station has continued and is becoming a concern to staff. Since the pump station is in relatively good condition and has provided more than 60 years of continuous service, staff recommends repairing the exterior wall and sandstone which is beginning to crack and fall off into the ocean. Due to the critical location of this pump station, all of the regulatory agencies with jurisdiction over the area (Coastal Commission, NMFS) and the anticipated expense to accomplish repairs, staff recommends the development of design plans to prolong the life of this asset within the existing manholes and structure. Due to the proximity to the Pacific ocean this pump station has been included in the District wide sea level rise study.

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.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor				\$ 350,000				\$ 350,000
Engineering	\$	100,000	\$ 150,000					\$ 250,000
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total	\$	100,000	\$ 150,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 600,000

5 FY 2020-21 Budget
 Carmel Area Wastewater District

Contact: Lather
 Area N/A

Project Name: Scenic Pipe Bursting - Ocean to Bay
 Dept.: Collections
 5 yr. Cap Projection: \$ 1,400,000
 CY Budget \$ 200,000
 GL Account:

Asset Type: N/A
 Avg Useful Life: 40 years
 Est Residual Life:
 % Consumed Life: 98%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

This asset is approximately 4,000 feet of 6" pipe on Scenic that runs from Ocean Street to Bay. These segments of pipe have been in service for over 70 years.

Year Built: 1950s
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension:
 Asset Condition Rating: 8

Justification

According to the Asset Management Plan, this section of pipelines has a high consequence of failure and was included in the list of high priority lines to be rehabilitated. The pipeline also has capacity issues during wet weather. It is directly upstream of the Bay & Scenic pump station and will potentially be included in the same bid packet with the pump station upgrades. It is staff's recommendation to do the work in the same fiscal year to limit the impact to the community to one fiscal year rather than separate years. It is planned to work between Ocean and 8th in 2021-2022 in order to complete work prior to the City's plan to slurry seal those road segments in 2022.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor			\$ 600,000	600000				\$ 1,200,000
Engineering	\$	200,000						\$ 200,000
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ 200,000	\$ 600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,400,000

6 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Sewer Lines

Project Name: Pescadero Creek Area Pipe Rehab
Dept.: Collections
5 yr. Cap Projection: \$ 1,500,000
CY Budget \$ -
GL Account:

Asset Type: N/A
Avg Useful Life: 10 years
Est Residual Life:
% Consumed Life: 98%
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Asset Description

This asset is approximately 2,500 feet of 6" pipe on Pescadero that runs from Manhole N609 near 2nd Avenue and along the slope above Pescadero Creek to Lincoln Street. These segments of pipe have been in service for over 100 years and may need to be Routed to Lincoln Avenue with ejector pumps set up at each home.

Year Built: 1920's
Rehabilitation Date (Extending life of Asset): 2026
Rehab Life Extension: 100
Asset Condition Rating: 5

Justification

According to the Asset Management Plan, this section of pipelines has a high likelihood of failure and was included in the list of high priority lines to be rehabilitated. The pipeline is located along the backyards of homes and uphill of Pescadero Creek.

Asset Risk Management Strategy

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

Funding Source

Primary	Capital Reserves	Secondary						
Budget Impact/Other	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26	26-27
Labor				1250000				
Engineering			\$ 250,000					
Parts & Supplies								
Chemicals								
Utility								
Other								
Total		\$ -	\$ 250,000	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -

7 **FY 2020-21 Budget**
Carmel Area Wastewater District

Contact: Lather
Area Sewer Lines
Asset Type: N/A
Avg Useful Life: 10 years
Est Residual Life: 1 year
% Consumed Life: 95
Category: Maintenance
Urgency: 3 = Important
Carry Forward: No

Project Name: Electrical Upgrades at Hacienda Pump Station
Dept.: Collections
5 yr. Cap Projection: \$ 140,000.00
CY Budget \$ -
GL Account:

Asset Description

The generator and automatic power transfer switch and the motor control panel at the Hacienda pump station. In the event that the utility power supply goes out, the generator supplies electricity and the transfer switch is responsible for switching power from the PG&E service to the generator (and visa versa) when power goes out and is then restored. This keeps staff from having to drive to the pump station to turn on the generator during power outages and prevents damage to the pump station due to both power sources being energized at the same time. The station requires 240 volt AC, 60 Hz, 100 Amp, 25 kW, 3 phase power.

Year Built: 1999
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 4

Justification

The generator, automatic transfer switch, and motor control panel are 25 years old and at the end of their service life. Although still functional, it is recommended they are replaced prior to failure. The generator has been in service for many years and is requiring much more maintenance than in prior years. The block heater has been plagued with issues, the exhaust is worn through the muffler. It is not a quiet generator and has disturbed the surrounding neighbors. Newer automatic transfer switch's (ATS) have the capability of switching over in the case of a "brown out," which is loss of one but not all phases of supplied electricity. The one currently in service is unable to distinguish this difference and therefore will allow the pumps to run without adequate power which in turn could damage them. The motor control panel is very old and designed for pump system equipment that is no longer active at this station.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other			\$ 140,000				\$	140,000
Total		\$ -	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ 140,000

8 **FY 2020-21 Budget**
 Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines

Project Name: Monte Verde PS and Sewers- South of Santa Lucia
 Dept.: Collections

Asset Type: N/A
 Avg Useful Life: 30 years
 Est Residual Life: 1 year
 % Consumed Life:
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

5 yr. Cap Projection: \$ 2,250,000
 CY Budget \$ -
 GL Account:

Asset Description

Replace 6 inch VCP pipe with 8 inch PVC or HDPE pipe in the vicinity of Monte Verde South of Santa Lucia. Update pump station as needed.

Year Built: 1940's
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: 50
 Asset Condition Rating: 4

Justification

Many of the sewer pipelines in this area have been found to have segments with wet weather capacity issues and structural defects. Most were constructed in the late 1940's and are past their expected life span.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26	Total
Labor					\$ 1,500,000	\$ 500,000		\$ 2,000,000
Engineering				\$ 250,000				\$ 250,000
Parts & Supplies								
Chemicals								
Utility								
Other								
Total		\$ -	\$ -	\$ 250,000	\$ 1,500,000	\$ 500,000	\$ -	\$ 2,250,000

9 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines

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

Asset Type: N/A
 Avg Useful Life: 10 years
 Est Residual Life:

5 yr. Cap Projection: \$ 1,750,000
 CY Budget \$ -
 GL Account:

% Consumed Life:
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

This asset is approximately 3,000 feet of 6" VCP pipe on 11th Avenue that runs through backyard easements above Mission Trail Nature Preserve to Rio Road across the street from the Mission.

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

Justification

The pipes have severe capacity issues during wet weather and moderate to severe structural defects. These segments of pipe have been in service for over 70 years.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26	Total
Labor						\$ 1,500,000		\$ 1,500,000
Engineering					\$ 250,000			\$ 250,000
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ -	\$ -	\$ -	\$ 250,000	\$ 1,500,000	\$ -	\$ 1,750,000

10 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Sewer Lines

Project Name: Carmel Woods Sewer Rehabilitation
Dept.: Collections
5 yr. Cap Projection: \$ 400,000
CY Budget \$ -
GL Account:

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

Asset Description

This asset is approximately 8,000 feet of 6" pipe in the Carmel Woods Subdivision. These segments of pipe have been in service for over

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

Justification

The pipe in this area is near Pescadero Creek and based on video inspection are in poor condition. These lines were identified in the Asset Management Plan as having a high likelihood of failure.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26
Labor							\$ 2,300,000
Engineering						\$ 400,000	
Parts & Supplies							
Chemicals							
Utility							
Other							
Total		\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 2,300,000

11 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines

Project Name: Calle La Cruz PS Relocation/Rehab
 Dept.: Collections
 5 yr. Cap Projection: \$ 150,000
 CY Budget \$ -
 GL Account:

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

Asset Description

Calle La Cruz Pump Station sends sewage from the west end of the District to the Treatment Plant. Approximately 33K gallons per day are pumped during dry weather. This pump station is 65 years old. The pump station is located off of Calle La Cruz and adjacent to the Carmel Lagoon.

Year Built: 1954
 Rehabilitation Date (Extending life of Asset): 1987
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

This pump station has been inundated by the Carmel Lagoon due to changes in the river configuration. In order to prepare for sea level rise and other factors, it is recommended to relocate this pump station uphill and across the access road from it's existing footprint.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Unscheduled	Total
Labor								\$ 800,000		\$ 800,000
Engineering						\$ 150,000	\$ 150,000			\$ 300,000
Parts & Supplies										\$ -
Chemicals										\$ -
Utility										\$ -
Other										\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 800,000	\$ -	\$ 1,100,000

12 **FY 2020-21 Budget**
 Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines

Project Name: Mission & San Carlos -Ocean to 2nd
 Dept.: Collections

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

5 yr. Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

Asset Description

This asset is approximately 3,500 feet of 6" pipe on parallel streets of Mission and San Carlos from Ocean to 2nd.

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

Justification

These segments of pipe have been in service for over 100 years and need to be replaced.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	22-23	23-24	24-25	25-26	26-27	27-28	28-29
Labor						\$ 1,008,000		
Engineering					\$150,000			
Parts & Supplies								
Chemicals								
Utility								
Other								
Total		\$ -	\$ -	\$ -	\$ 150,000	\$ 1,008,000	\$ -	\$ -

13 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Sewer Lines

Project Name: Dolores Street Pipe Bursting 4th to 10th

Asset Type: Collections Gravity

Project Number

Avg Useful Life: 50 years

Dept.: Collections

Est Residual Life: 10 years

5 yr. Cap Projection: \$ -

% Consumed Life: 90%

CY Budget \$ -

Category: Capital Improvement

GL Account:

Urgency: 3 = Important

Carry Forward: No

Asset Description

This asset is approximately 3,000 feet of 6" pipe on Dolores that runs from 4th Avenue to 10th. These segments of pipe have been in service for over 100 years.

Year Built: 1920's

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension: 100

Asset Condition Rating:

Justification

According to the Asset Management Plan, this section of pipelines has a high likelihood of failure and was included in the list of high priority lines to be rehabilitated. We are planning the work to be completed prior to the City's Cape Sealing of the street in 2022.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	27-28	28-29	29-30
Labor							864,000	864,000
Engineering						150,000		150,000
Parts & Supplies								
Chemicals								
Utility								
Other								
Total		\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 864,000	\$ 1,014,000

14

FY 2020-21 Budget

Carmel Area Wastewater District

Project Name: Hacienda PS area sewer upsizing

Project Number:

Dept.: Collections

5 yr. Cap Projection: \$ 1,200,000

CY Budget \$ -

GL Account:

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Avg Useful Life: 40 years

Est Residual Life: 1 year

% Consumed Life: n/a

Category: Maintenance

Urgency: 2 = Very Important

Carry Forward: No

Asset Description

This is 7,800 feet of transmission line from the proposed pump station to be constructed by Carmel Valley Manor to Hacienda Pump Station.

Year Built: 1970s

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

Rehab Life Extension: n/a

Asset Condition Rating: 4 Capacity Issues

Justification

With the Carmel Valley area being annexed into our system, we will need to increase the pipe capacity in this area. Based on the District's flow study, this area is already over capacity in sections during dry weather, which is causing surcharging in manholes. The 8 inch pipelines will need to be replaced with 10 inch.

Asset Risk Management Strategy

Capital Improvement Risk: Plan Rehabilitation/Replacement

Maintenance Risk Management:

Non Asset Risk Management:

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	26-27	27-28	28-29	29-30	Total
Labor						\$ 1,000,000	\$ 1,808,000		\$ 2,808,000
Engineering					\$ 200,000				\$ 200,000
Parts & Supplies									\$ -
Chemicals									\$ -
Utility									\$ -
Other									\$ -
Total		\$ -	\$ -	\$ -	\$ 200,000	\$ 1,000,000	\$ 1,808,000	\$ -	\$ 3,008,000

15 **FY 2020-21 Budget**
 Carmel Area Wastewater District

Project Name: Lincoln Street Pipe Bursting 4th to 10th
 Dept.: Collections
 5 yr. Cap Projection: \$ 150,000
 CY Budget \$ -
 GL Account:

Contact: Lather
 Area: Sewer Lines
 Asset Type: N/A
 Avg Useful Life: 10 years
 Est Residual Life:
 % Consumed Life:
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

This asset is approximately 3,000 feet of 6" pipe on Lincoln that runs from 4th ave to 10th. These segments of pipe have been in service for over 100 years.

Year Built: 1920's
 Rehabilitation Date (Extending life of Asset): 2022-23
 Rehab Life Extension: 100
 Asset Condition Rating: 8

Justification

According to the Asset Management Plan, this section of pipelines has a high likelihood of failure and was included in the list of high priority lines to be rehabilitated. We are planning the work to be completed prior to the City's Cape Sealing of the street in 2024.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	24-25	28-29	29-30	Unscheduled	Total
Labor							\$ 864,000		\$ 864,000
Engineering						\$ 150,000			\$ 150,000
Parts & Supplies									0
Chemicals									0
Utility									0
Other									0
Total		\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 864,000	\$ -	\$ 1,014,000

16

FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather

Area Structure

Asset Type: Collections Gravity

Avg Useful Life: 40 years

Est Residual Life: 5 years

% Consumed Life:

Category: Maintenance

Urgency: 2 = Very Important

Carry Forward: No

Project Name: Santa Rita and Guadalupe-Pipe bursting Ocean to Serra
 Project Number
 Dept.: Collections
 5 yr. Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

Asset Description

This asset is approximately 6,000 feet of 6" pipe on Santa Rita and on Guadalupe from Ocean Street to Serra. These segments of pipe have been in service for over 100 years.

Year Built:

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension:

Asset Condition Rating:

Justification

According to the Asset Management Plan, these sections of pipelines have a high likelihood of failure and were included in the list of high priority lines to be rehabilitated. According to the Capacity Study, sections of these pipelines also have capacity issues. This work is planned for completion 10 years after the City had Cape Sealed the roads.

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	27-28	28-29	29-30	Unscheduled	Total
Labor						\$ 1,728,000		\$ 1,728,000
Engineering					\$ 250,000			\$ 250,000
Parts & Supplies								\$ -
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 1,728,000	\$ -	\$ 1,978,000

17 **FY 2020-21 Budget**
Carmel Area Wastewater District

Contact: Lather
Area Sewer Lines

Project Name: Camino Real-between 4th & Walker Avenue
Project Number

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

Dept.: Collections
5 yr. Cap Projection: \$ -
CY Budget \$ -
GL Account:

Asset Description

This asset is approximately 5,000 feet of 6" pipe on Camino Real that runs from 4th to Walker Avenue. These segments of pipe have been in service for over 100 years.

Year Built: 1920's
Rehabilitation Date (Extending life of Asset):
Rehab Life Extension:
Asset Condition Rating:

Justification

According to the Asset Management Plan, this section of pipelines has a high likelihood of failure and was included in the list of high priority lines to be rehabilitated. We are planning the work to be completed prior to the City's Cape Sealing of the street in 2024.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact Other

	Prior Yr.	20-21	21-22	28-29	29-30	30-31	Unscheduled	Total
Labor						\$ 1,555,200		\$ 1,555,200
Engineering			\$	100,000	\$ 150,000			\$ 250,000
Parts & Supplies								0
Chemicals								0
Utility								0
Other								0
Total	\$ -	\$ -	\$	100,000	\$ 150,000	\$ 1,555,200	\$ -	\$ 1,805,200

18 **FY 2020-21 Budget**
 Carmel Area Wastewater District

Contact: Lather
 Area Structure
 Asset Type: Collections Gravity
 Avg Useful Life: 40 years
 Est Residual Life:
 % Consumed Life:
 Category: Maintenance
 Urgency: 2 = Very Important
 Carry Forward: No

Project Name: Manhole Rehabilitation
 Project Number
 Dept.: Collections
 5 yr. Cap Projection: \$ 270,000
 CY Budget \$ -
 GL Account:

Asset Description

Brick and mortar manholes that are over 100 years old located throughout the District.

Year Built: 1920's
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension: 50
 Asset Condition Rating:

Justification

Brick and mortar manholes are located throughout the District and are leaking through the mortar during rain events, causing increased inflow into the sewer system. In order to reduce inflow and the potential of structural failures of the manholes, it is recommended to start a rehabilitation program that focuses on old brick manholes and known damaged ones.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	25-26	26-27	Total
Labor					\$ 270,000			\$ 270,000	\$ 540,000
Engineering									\$ -
Parts & Supplies									\$ -
Chemicals									\$ -
Utility									\$ -
Other									\$ -
Total		\$ -	\$ -	\$ -	\$ 270,000	\$ -	\$ -	\$ 270,000	\$ 540,000

19

FY 2020-21 Budget

Carmel Area Wastewater District

Project Name: Point Repairs @ various locations

Project Number:

Dept.: Collections

5 yr. Cap Projection: \$ -

CY Budget \$ -

GL Account:

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Avg Useful Life: 40 years

Est Residual Life: 1 year

% Consumed Life: n/a

Category: Maintenance

Urgency: 2 = Very Important

Carry Forward: No

Asset Description

Point repairs and pipe lining of pipes identified in the Asset Management Plan are located throughout the District. These are pipes that do not have capacity issues but are damaged.

Year Built: 1960's

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension: 30

Asset Condition Rating:

Justification

Many of the sewer lines within the District can be improved with spot repairs rather than complete replacement. These lines will be selected based on video inspections and were identified in the Asset Management Plan as a high priority. Grouping the point repairs into one project will improve the bidding environments and overall cost to do the work.

Asset Risk Management Strategy

Capital Improvement Risk: Plan Rehabilitation/Replacement

Maintenance Risk Management:

Non Asset Risk Management:

Funding Source

Primary

Capital Reserves

Budget Impact/Other

	Prior Yr.	20-21	21-22	27-28	28-29	29-30	30-31	31-32	Unscheduled	Total
Labor				\$ 400,000	\$ 200,000		\$ 500,000			\$ 1,100,000
Engineering										\$ -
Parts & Supplies										\$ -
Chemicals										\$ -
Utility										\$ -
Other										\$ -
Total	\$ -	\$ -	\$ 400,000	\$ 200,000	\$ -	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,100,000

20 FY 2020-21 Budget

Carmel Area Wastewater District

Project Name: Upsize Rancho Canada Subdivision Trunkline

Project Number: work by others

Dept.: Collections

5 yr. Cap Projection: \$ -

CY Budget \$ -

GL Account:

Contact: Lather

Area Sewer Lines

Asset Type: Collections Gravity

Avg Useful Life: 40 years

Est Residual Life: 1 year

% Consumed Life: n/a

Category: Maintenance

Urgency: 2 = Very Important

Carry Forward: No

Asset Description

This project will relocate an existing sewer trunk line that serves the eastern most portion of the District and is located adjacent to the proposed County Park at Rancho Canada. The trunk line 12 inch diameter Truss pipe material that was installed in the early 1970's. One of the golf courses was sold to a subdivision developer and the other golf course has become part of the Monterey Regional Park System. This is the portion where the subdivision is planned to be constructed.

Year Built: 1970s

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

Rehab Life Extension: 100 years

Asset Condition Rating: 4 Capacity Issues

Justification

Rancho Canada subdivision is currently planning to install a new alignment of the 12 inch sewer trunk line that currently runs through the property. It would be in the District's best interest to take advantage of this opportunity on this project to upsize the pipeline with a pipe diameter of 15" (ID - Inside Diameter) because the existing line is at capacity and there is a strong potential for existing upstream parcels on septic to go to sewer. The developer is requesting that the District fund the difference in cost from 12 inch to 15 inch. If more of the Carmel Valley area is annexed into our system, we will benefit from this upgrade now by not incurring the future costs of needing to upgrade later when it is realized the initial pipe capacity was insufficient to convey the potential wastewater generated. The developer met with the District Engineer and is planning to start subdivision grading work in late spring of 2019. We have not heard from the Developer since that time so the project is "unscheduled".

Asset Risk Management Strategy

Capital Improvement Risk: Plan Rehabilitation/Replacement

Maintenance Risk Management:

Non Asset Risk Management:

Funding Source

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

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$ 410,000	\$ 410,000
Engineering							\$ -	\$ -
Parts & Supplies							\$ -	\$ -
Chemicals							\$ -	\$ -
Utility							\$ -	\$ -
Other							\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 410,000	\$ 410,000

21 **FY 2020-21 Budget**
 Carmel Area Wastewater District

Project Name: Rio Road Bioswale- Pipeline Replacement
 Project Number:
 Dept.: Collections
 10 yr. Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

Contact: Lather
 Area Sewer Lines
 Asset Type: N/A
 Avg Useful Life: 40 years
 Est Residual Life:
 % Consumed Life:
 Category: Maintenance
 Urgency: 2 = Very Important
 Carry Forward: No

Asset Description

County of Monterey plans to construct drainage improvements above the existing 6" diameter CAWD pipeline.

Year Built: Pre 1960
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 4

Justification

The CAWD pipeline is very flat and is in poor condition. It flows to a manhole to a 12 inch pipeline. The 6 inch line's slope can be corrected and this work should be done in conjunction with the County's project.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Reserves Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$ 800,000	\$ 800,000
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ 800,000

22 FY 2020-21 Budget
 Carmel Area Wastewater District

Contact: Lather
 Area Collections Gravity

Project Name: Dewatering Pit at Treatment Plant (30% Treatment)
 Dept.: Collections
 5 yr. Cap Projection: \$ -
 CY Budget \$ -
 GL Account:

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

Asset Description

Collection dewatering pit is a needed to dewater debris that has been collected in the Vacon vacuum truck. While Collections is the primary user of this, the Treatment plant has used this area in the past also. Once the debris has been dumped into the pit, drains will carry the liquid to the headworks to be properly disposed of. Currently the District uses a depression in the ground to place the debris and the water is removed through evaporation or seepage into the soil.

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 needs a contained area to properly decant and dispose of debris collected in the vacuum truck. The construction of this disposal area will remove water and not allow it to be absorbed directly into the ground. This project is pending Costal Commission permitting.

Asset Risk Management Strategy

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

Funding Source

Primary 70% Collections Capital Reserves Secondary
 30% Treatment

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$ 70,000	\$ 70,000
Total		\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000

23 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Collections Gravity
Asset Type: N/A
Avg Useful Life: 50 years
Est Residual Life:
% Consumed Life:
Category: Capital Improvement
Urgency: 3 = Important
Carry Forward: No

Project Name: Highlands Line Cleaning
Dept.: Collections
5 yr. Cap Projection: \$ 200,000
CY Budget \$ -
GL Account:

Asset Description

Highlands Sewer line was installed in 2004-2006. It is over 3 miles long and has not been cleaned.

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

Justification

The Highlands line has not been cleaned since its installation in 2004. The line is over 3 miles long and has evidence of H2S damage at manholes.

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.	20-21	21-22	22-23	23-24	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other			\$ 200,000			\$	200,000
Total		\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000

24 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Collections Gravity

Project Name: Manhole Condition Assessment
 Dept.: Collections
 5 yr. Cap Projection: \$ 200,000
 CY Budget \$ -
 GL Account:

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

Asset Description

The District needs to perform a condition assessment of all maholes in its system.

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

Justification

As part of the requirements of River Watch Settlement the District must complete a review of its manhole assets within 5 years.

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.	20-21	21-22	22-23	23-24	Unscheduled	Total
Labor						\$	-
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other				\$ 200,000		\$	200,000
Total		\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000

Capital Budget
Treatment & Disposal
Capital Purchases

1 FY 2020-21 Budget
Carmel Area Wastewater District

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

Project Name: Laboratory Ion Chromatograph (90% Reclamation)
Dept: Treatment
Total Cost: \$ 150,000
CY Budget \$ -
GL Account:

Asset Description

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

Year Built: Jul-05
Rehabilitation Date (Extending life of Asset): N/A
Rehab Life Extension: N/A
Asset Condition Rating: 9 Rehab unlikely

Justification

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

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Budget 10% Secondary Reclamation 90%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor								\$ -
Engineering								\$ -
Parts & Supplies			\$ 150,000					\$ 150,000
Chemicals								\$ -
Utility								\$ -
Other								\$ -
Total		\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

2 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Pump Station
 Asset Type: Process Equip (Liquid)
 Avg Useful Life: 30 years
 Est Residual Life: New Equipment
 % Consumed Life: N/A
 Category: Capital Equipment
 Urgency: 3 = Important
 Carry Forward: Yes

Project Name: Influent Chopper Pump
 Dept: Treatment
 Total Cost: \$ 55,000
 CY Budget \$ 55,000
 GL Account: Capital

Asset Description

The Influent Pumps pump raw sewage into the WWTP process.

Year Built: New Equipment

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

Rehab Life Extension: N/A

Asset Condition Rating: New Equipment

Justification

The existing Influent Pumps get clogged with rags after a few days of operation. This takes about 6 hours of total staff time each week to remove rags from the influent pumps. A chopper style pump would reduce ragging issues by means of the cutter included on the impeller. These types of pumps are increasingly being used as more and more wipes are being put in sewers by the public, and the wipes do not break down like toilet paper.

Asset Risk Management Strategy

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

Funding Source

	Primary	Capital Reserves	Secondary					Unscheduled	Total
Budget Impact/Other	Prior Yr	20-21	21-22	22-23	23-24	24-25			
Labor		\$ 5,000					\$	5,000	
Engineering							\$	-	
Parts & Supplies		\$ 40,000					\$	40,000	
Chemicals							\$	-	
Utility							\$	-	
Other		\$ 10,000					\$	10,000	
Total		\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	

3 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Waggoner
Area: Misc Structures
Asset Type: Instrumentation
Avg Useful Life: 10 years
Est Residual Life: 1 year
% Consumed Life: 90%
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: Yes

Project Name: Versatile Titrator (50% Reclamation)
Dept: Treatment
Total Cost: \$ 38,965
CY Budget \$ -
GL Account: Capital

Asset Description

The Mettler Toledo Titrator Excellence T7 instrument is a new piece of CAWD laboratory equipment. The Mettler T7 is a versatile titrator expandable from 1 to 4 different burettes for the different titrants used. The unit is fully automated from sample changing, complex titrations and cleaning the probe after analysis is completed. After sample analysis is completed the results are displayed on the screen or can be transferred to the CAWD LIMS system reducing the manual entry and eliminate errors.

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

Justification

Currently the laboratory analysts perform the following analysis pH, Alkalinity, Conductivity, Volatile Acids and sample titrations are analyzed individually. With the automated titrator unit, multiple analysis can be completed by programming a test(s) and the unit will complete the programmed analysis on the sample and move to the next sample. The results will be displayed or transferred to the LIMS database which will reduce manual entry. Based on current work minutes to perform calibration and sample analysis for twenty five samples taking 15 minutes per sample the titrator can perform in seven and half minutes. The time savings will allow the laboratory analyst to complete other duties. The labor cost of manual analysis per year is estimated at \$ 118,209.00, the labor cost of automated analysis is estimated at \$ 70,835 per year and the total saving cost of \$ 43,761 per year.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
Maintenance Risk Management Predictive & Preventative Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary 50% CAWD Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor		\$ 3,315					\$	3,315
Engineering							\$	-
Parts & Supplies		\$ 33,085					\$	33,085
Chemicals							\$	-
Utility							\$	-
Other		\$ 2,565					\$	2,565
Total		\$ 38,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,965

4 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Waggoner
Area: DAFT
Asset Type: Process Equip (Solid)
Avg Useful Life: 15 years
Est Residual Life: 1 year
% Consumed Life: 100%
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: Yes

Project Name: DAF unit Poly Blend Unit M60-P1AA (50% Reclamation)
Dept: Treatment
Total Cost: \$ 22,500
CY Budget \$ 22,500
GL Account:

Asset Description

Polymer mixing and inject unit that mixes and and a coagulant to the flow stream of waste activate sludge and backwash water from the microfiltration/reverse osmosis systems.

Year Built: 2000
Rehabilitation Date (Extending life of Asset): 2009
Rehab Life Extension: 10 years
Asset Condition Rating: Poor

Justification

The existing model M-40-D4AA-V s/n 16152 is from 2000. The age is such that the vendor no longer supports or sells/stocks replacement parts for the UGSI PolyBlend unit. This model is the same as the models purchase in the Phase 1 project Staff is updating all Polymer mixing systems to be the same to be able to limit the amount of spare parts in plant inventory systems.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
Maintenance Risk Management Preventative Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary CAWD 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor		\$1,000						\$ 1,000
Engineering								\$ -
Parts & Supplies		\$ 20,000						\$ 20,000
Chemicals								\$ -
Utility								\$ -
Other		\$ 1,500						\$ 1,500
Total		\$ 22,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,500

5 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Waggoner
Area: Misc Structures
Asset Type: Support Equipment
Avg Useful Life: 10 years
Est Residual Life: 5 years
% Consumed Life: 75
Category: Capital Equipment
Urgency: 3 = Important
Carry Forward: Yes

Project Name: Laboratory Muffle Furnance (50% Reclamation)
Dept: Treatment
Total Cost: \$ 13,500
CY Budget \$ -
GL Account:

Asset Description

The muffle furnace is used in the laboratory to provide the Operations Department with process control data on the Volatile Total Suspended Solids. The data from the percent volatile solids is used for monthly and annual NPDES reporting.

Year Built: 2011
Rehabilitation Date (Extending life of Asset): 16-Apr
Rehab Life Extension: 2 years
Asset Condition Rating: 3 minor Defects Only

Justification

The muffle furnace was purchased during 2011 and repaired in 2016. The service report stated that this unit model is no longer produced and parts are limited at this time.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
Maintenance Risk Management Corrective Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Budget 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 13,500				\$	13,500
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 13,500	\$ -	\$ -	\$ -	\$ -	\$ 13,500

6 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Waggoner
Area: Misc Structures
Asset Type: Support Equipment
Avg Useful Life: 10 years
Est Residual Life: 5 years
% Consumed Life: 72%
Category: Capital Equipment
Urgency: 2 = Very Important
Carry Forward: Yes

Project Name: Laboratory BOD incubator (50% Reclamation)
Dept: Treatment
Total Cost: \$ 13,000
CY Budget \$ -
GL Account:

Asset Description

The BOD incubator is used to incubate the BOD analysis samples at a specific temperature of 20.0 C. This is a NPDES required analysis for Tertiary DMR and for CAWD NPDES permit.

Year Built: 2004
Rehabilitation Date (Extending life of Asset): 9-Jul
Rehab Life Extension: 2 years
Asset Condition Rating: 3 Minor Defects Only

Justification

The incubator was purchased in 2004 and remains operating 24 hours a day and is close to its average useful life. Service technicians replaced the cooling compressor in 2017 which can give the unit 2 to 3 years of useful service. The BOD analysis is a NPDES permit requirement making this a critical equipment in the laboratory to remain compliant to the permits.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
Maintenance Risk Management Predictive & Preventative Maintenance
Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Budget 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies			\$ 13,000				\$	13,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ 13,000

7 FY 2020-21 Budget
 Carmel Area Wastewater District

Contact: Waggoner
 Area: Misc Structures
 Asset Type: Support Equipment
 Avg Useful Life: 20 years
 Est Residual Life: 1 year
 % Consumed Life: 89
 Category: Capital Equipment
 Urgency: 3 = Important
 Carry Forward: Yes

Project Name: Laboratory Autoclave (50% Reclamation)
 Dept: Treatment
 Total Cost: \$ 16,000
 CY Budget \$ -
 GL Account:

Asset Description

The autoclave is used to conduct NPDES permit coliform tests and to destroy samples that are completed prior to disposal.

Year Built: Jun-93
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 8 Rehab unlikely

Justification

The autoclave unit has reached the end of the service life recommended by the manufacturer.
 It is essential to complete the permit required analysis and maintain compliance with EPA and ELAP requirements.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
 Maintenance Risk Management Predictive & Preventative Maintenance
 Non Asset Risk Management Strategic Changes to Level of Service

Funding Source

Primary Capital Budget 50% Secondary Reclamation 50%

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies				\$ 16,000			\$	16,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ 16,000

**Capital Budget
Treatment & Disposal
Capital Improvement Projects**

1 FY 2020-21 Budget
 Carmel Area Wastewater District

Contact: Foley
 Area: Misc Structures
 Asset Type: Support Equipment
 Avg Useful Life: 20 years
 Est Residual Lif: 20 years
 % Consumed Li: \$ -
 Category: Capital Improvement
 Urgency: 1 = Critical
 Carry Forward: Yes

Project Name: Cart Charging In Building #35
 Dept: Treatment
 Total Cost: \$ 50,000
 CY Budget: \$ 25,000
 GL Account:

Asset Description

Electric Cart charging area at the Old Chemical Storage Building (Building Number 35).

Year Built: 2019
 Rehabilitation Date: N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: Good

Justification

Currently, there is no central location to charge the electric utility carts and golf carts or a place to park the work bicycles that plant staff uses daily out of the elements. These vehicles are stored overnight throughout the treatment plant and exposed to the elements. Staff is planning to create a charging station at building number 35. This would include charging stations for the electric utility carts and storage for the plant's work bicycles.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
 Maintenance Risk Mgmt. Predictive & Preventative Maintenance
 Non Asset Risk Mgmt. Take Asset out of Service

Funding Source

Primary Capital Improvement

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor		\$ 14,000	14000				\$	28,000
Engineering		\$ 4,000	\$ 2,000				\$	6,000
Parts & Supplies		\$ 7,000	7,000				\$	14,000
Chemicals							\$	-
Utility							\$	-
Other	0	\$ 2,000					\$	2,000
Total		\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

2 FY 2020-21 Budget

Carmel Area Wastewater District

Contact: Treanor
 Area: 1 Water System
 Asset Type: Support Equipment
 Avg Useful Life: 20 years
 Est Residual Life: 20 years
 % Consumed Life: \$ -
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward: No

Project Name: 1 Water System Corrosion Control

Dept: Treatment
 Total Cost: \$ 25,000
 CY Budget: \$ 20,000
 GL Account: 1627

Asset Description

New Iorex ionization filter for 1 Water feed into the plant. The IOREX is a self-contained unit that uses the friction of water passing through the device to create a galvanic current to ionize water and reduce the size of the water clusters. This ionized water removes existing rust and scale buildup in the pipes and prevents the formation of new rust and scale. In iron and steel pipes, the IOREX-treated water also converts rust into magnetite, which can adhere to the inner pipe surface and stabilize a weakened pipe, even sealing some existing pinhole leaks.

More review of existing pipeline corrosion will be done before implementation.

Year Built: 1972
 Rehabilitation Date: N/A
 Rehab Life Extension: N/A
 Asset Condition Rating:

Justification

The number 1 Water Distribution System was installed in the early 1970's when the secondary processes were constructed at CAWD. The main piping is Ductile Iron pipe with service laterals of copper and galvanized pipe to major buildings and safety showers. This project would protect the existing piping from internal corrosion that can eventually lead to pipe leaks which could be expensive to repair and could lead to high water bills if leaks cannot be located.

Asset Risk Management Strategy

Capital Improvement Risk
 Maintenance Risk Mgmt Predictive & Preventative Maintenance
 Non Asset Risk Mgmt

Funding Source

Primary Capital Improvement

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies	5,000					\$	20,000	\$ 20,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000

3 FY 2020-21 Budget

Carmel Area Wastewater District

Contact: Treanor
 Area: Ops Bldg
 Asset Type: Support Equipment
 Avg Useful Life: 20 years
 Est Residual Lif: 1 year
 % Consumed Li: \$ 100
 Category: Capital Improvement
 Urgency: 3 = Important
 Carry Forward: Yes

Project Name: Operation Building Basement Rehabilitation
 Dept: Treatment
 Total Cost: \$ 50,000
 CY Budget \$ -
 GL Account:

Asset Description

Operations Building (Building Number 30), Basement Rehabilitation.

Year Built: 1972
 Rehabilitation Date: N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: Good

Justification

The original design of the building in this area included a woman's bathroom with shower, men's locker room and a storage area for Personal Protective Equipment (PPE) (i.e., Rain gear, Haz-mat equipment and janitorial supplies). During Phase I construction all of this space was demolished to allow for new electrical and plumbing chase runs for various areas of the treatment plant. Staff would like to reinstall a gender neutral bathroom in the basement with a shower to decontaminate PPE, a laundry area to clean and store Personal Protective Equipment, having a centralize area for the PPE it will allow for better inventory control of all PPE equipment. Included in the cost would be a second sump pump to prevent flooding of the area.

Asset Risk Management Strategy

Capital Improvement Risk Plan Rehabilitation/Replacement
 Maintenance Risk Mgmt Corrective Maintenance
 Non Asset Risk Mgmt Take Asset out of Service

Funding Source

Primary Capital Improvement

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$ 25,000	\$ 25,000
Engineering							\$	-
Parts & Supplies							\$ 25,000	\$ 25,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total	\$	- \$	- \$	- \$	- \$	- \$	50,000	\$ 50,000

4 FY 2020-21 Budget

Carmel Area Wastewater District

Project Name: Demonstration of Huber Strain Press

Dept: Treatment

Total Cost: \$ 17,250

CY Budget \$ 17,250

GL Account:

Contact: Treanor

Area Digesters

Asset Type: Support Equipment

Avg Useful Life 1 year

Est Residual Life:

% Consumed Li

Category: Capital Improvement

Urgency: 1 = Critical

Carry Forward: No

Asset Description

Press/screening unit designed to clean sludge of hard plastic and other harmful material from the headworks or food waste deliveries that is injected into the anaerobic digester.

Year Built:

Rehabilitation Date:

Rehab Life Extension:

Asset Condition Rating:

Justification

Staff will evaluate various options designed to remove hard and soft plastic from plugging the screens on the screwpress and preventing sharp items from cutting or damaging the belts on the belt press. Staff has all ready experienced having nails, plastics, and other harmful material that has created operational issues with the screw press which required extra staff time to clean the screens more ofter than normally needed or having to use the belt press with the fear of ruining the belts due to punctures or a tear . Funds will be used to perform any demostration or pilot projects. Once the evaluation is complete plant staff will determine if this dewatering pretreatment unit for digested sludge is cost effective for the return of investment.

Funding Source

Primary Capital Improvement

Budget Impact/Other

	Prior Yr	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor	0						\$ 6,000	\$ 6,000
Engineering							\$ 3,500	\$ 3,500
Parts & Supplies							\$ 250	\$ 250
Chemicals							\$ -	\$ -
Utility							\$ -	\$ -
Other							\$ 7,500	\$ 7,500
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,250	\$ 17,250

Capital Budget
Treatment & Disposal
Long Term Capital Plan

**CARMEL AREA WASTEWATER DISTRICT TREATMENT PLANT
LONG TERM CAPITAL PROJECTS - FY 2020/21 - 2034/35**

Item #	Project Number	PROJECT	Estimated Spent Thru 19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	Unscheduled	Total
WWTP - Elec/Mech Rehab & Sludge Holding Tank Replacement Project																				
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Replace Design (4% Reclamation)	\$906,000	\$10,000																\$10,000
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Replace Project Construction (4% Reclamation)	\$0	\$2,400,000	\$6,200,000															\$8,600,000
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Tank Project SCADA Programming	\$0	\$75,000	\$75,000															\$150,000
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Const Maint and ESDC (4% Reclamation)	\$0	\$450,000	\$450,000															\$900,000
1	18-01	WWTP Elec/Mech Rehab & Sludge Holding Project O&M Manual	\$0			\$50,000														\$50,000
PLANNED PROJECTS																				
2		Carmel River FREE Mitigation Project (Funded by Grants/County, See Below)*		\$0	\$0															\$0
3	19-01	Critical Process Minor Onsite Flood Adaptations (30% Reclamation)	\$20,000	\$50,000																\$50,000
4	18-08	Standby Power Reliability Project	\$435,600	\$300,000																\$300,000
5	18-10	Aeration Basin Improvements	\$87,000	\$40,000																\$40,000
6		Plant Landscaping		\$15,000																\$15,000
7		Cathodic Protection Testing and Maintenance		\$30,000			\$100,000					\$30,000								\$190,000
8	18-11	Microturbine Integration Project	\$45,000	\$100,000	\$565,000															\$665,000
9		Chlorine Contact Channel Pipe Gallery Pipe Coating			\$44,000															\$44,000
10		Plant Paving, Vault Lids, and Drainage			\$50,000			\$150,000												\$200,000
11	19-18	Perimeter Fencing	\$3,000			\$175,000														\$175,000
12		Lunch Room MCC Replace with Panelboard (Collection 6%)				\$140,000														\$140,000
13	18-28	WWTP Perimeter Tree Planting	\$27,000			\$60,000		\$75,000	\$75,000						\$25,000					\$235,000
14		RAS Pump/Piping Rehab				\$100,000														\$100,000
15		Main Potable Water and Gas Main Replacement (5.5% Collections)				\$100,000	\$100,000													\$200,000
16		Replace Older Turbex Blower				\$530,000														\$530,000
17		Roofing Repairs				\$90,000														\$90,000
18		Inventory Storage Containers				\$175,000														\$175,000
19		Plant Bridge Retrofit Project				\$500,000	\$500,000													\$1,000,000
20		Digester No. 1 - Rehabilitation				\$150,000	\$760,000													\$910,000
21		Influent Pump Station Wet Well Repairs					\$90,000													\$90,000
22		Operations Building HVAC and Plumbing Systems Repairs					\$155,000													\$155,000
23		Lagoon Crossing Rehabilitation						\$500,000												\$500,000
24		Septage Waste Receiving Station						\$1,000,000												\$1,000,000
25		Staff Office Trailer Replacements							\$150,000											\$150,000
26		Ocean Outfall Rehabilitation											\$1,000,000							\$1,000,000
27		Next Generation PLC/SCADA Upgrades Phase 1															\$500,000			\$500,000
28		Air Monitoring																\$15,000		\$0
29		Sea Level Rise Flood Mitigation																	Unknown	Unknown
PROCESS AREA REHABILITATION AND MAINTENANCE PROJECTS																				
30		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	\$90,000		\$900,000
31		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	\$100,000		\$1,000,000
32		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	\$200,000		\$2,000,000
33		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	\$100,000		\$1,000,000
34		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	\$100,000		\$1,000,000
PROJECTS CLOSED OUT PRIOR YEAR																				
-	18-07	Digester No. 1 and No. 2 - Cleaning	\$305,735																	\$0
-	18-09	Secondary Clarifier No. 1 Rehabilitation	\$285,000																	\$0
		TREATMENT & DISPOSAL TOTAL	\$2,114,335	\$3,470,000	\$7,384,000	\$1,155,000	\$1,115,000	\$1,730,000	\$2,165,000	\$740,000	\$590,000	\$620,000	\$1,590,000	\$590,000	\$615,000	\$590,000	\$1,120,000	\$590,000	\$15,000	\$24,079,000
-		ESTIMATED RECLAMATION SHARE (1)	\$36,240	\$132,400	\$269,000	\$2,000		\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000		\$1,003,400
-		ESTIMATED PBCSD SHARE	\$692,006	\$1,111,421	\$2,369,295	\$379,320	\$371,295	\$576,090	\$700,965	\$226,440	\$176,490	\$186,480	\$509,490	\$176,490	\$184,815	\$176,490	\$352,980	\$176,490	\$4,995	\$7,684,175
		ESTIMATED CAWD COST	\$1,386,089	\$2,226,179	\$4,745,795	\$773,680	\$743,705	\$1,153,910	\$1,404,035	\$453,560	\$353,510	\$373,520	\$1,020,510	\$353,510	\$370,185	\$353,510	\$707,020	\$353,510	\$10,005	\$15,391,425
		*ANTICIPATED GRANT/COUNTY FUNDING		\$750,000	\$4,600,000															\$5,350,000
		(1) PBCSD to pay 1/3 of costs after Reclamation and or Collections portion is deducted, unless otherwise noted.																		
TECHNICAL STUDIES (EXPENSED TO O&M - SHOWN HERE FOR PLANNING PURPOSES)																				
-		WWTP Process Model (BioWin)	\$50,000																	\$0
35		Coastal Hazards Monitoring Plan	\$0	\$150,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000		\$1,200,000
36		Coastal Hazards Response Plan	\$0	\$150,000	\$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		\$1,550,000
37		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	\$150,000	\$1,625,000
		TOTAL TECHNICAL STUDIES	\$50,000	\$425,000	\$300,000	\$300,000	\$300,000	\$300,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$275,000	\$150,000	\$4,375,000

1 **FY 2019-20 Budget**
Carmel Area Wastewater District

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

Project Name: **WWTP - Elec/Mech Rehab & Sludge Holding Tank Replacement Project**
Dept.: Treatment
5 yr. Cap Projection: \$ 9,710,000
CY Budget \$ 2,935,000

Project Description

This project is a multi-area project at the WWTP aimed at improving reliability of equipment in the Influent Pump Station, Headworks, 3W/Chlorine Analyzer Building, Effluent Building and Sludge Storage Tank. Most of the work involves replacing aged equipment electrical and mechanical work in existing buildings.

- Influent Building - Replacement of existing Motor Control Center (MCC) and electrical/controls equipment. Replacement of 1 Influent pump with 2 smaller pumps.
- Headworks Building - Replacement of existing Motor Control Center (MCC) and electrical/controls equipment. Replacement of existing auger screen with articulating rake screens. Replacement of existing grit tank collector mechanism in kind.
- 3W/Chlorine Analyzer Building - Replacement of existing Motor Control Center (MCC) and electrical/controls equipment.
- Effluent Building - Replacement of existing Motor Control Center (MCC) and electrical/controls equipment. Replacement of motors on existing Effluent Pumps.
- Sludge Holding Tank - Demolition of three old digesters/sludge holding tanks and replacement with one steel sludge holding tank. Work in this area includes piping demolition for piping associated with old tanks.

Year Built: 1930s, 1950s, 1970s, 1980s
Rehabilitation Date (Extending life of Asset): Various
Rehab Life Extension: Various
Asset Condition Rating: Various

Justification

This project was developed to mitigate business risk based on Kennedy/Jenks Phase 2 asset management risk assessment. The project is highly focused on electrical systems that are well past their useful life and are critical to operations. The sludge holding tank work is to address the fact that the current sludge holding tank was built in the 1930s and is past its useful life. Three existing sludge tanks that no longer meet seismic code will be removed and one new tank will be installed.

Reclamation Share is for the Lab standby power feeder and for the electrical work associated with the brine effluent pump in the Effluent Building.

Risk Management Strategy

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

Funding Source

Primary Capital Budget
4% Reclamation Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor		\$ 1,200,000	\$ 3,200,000			\$ 4,400,000	
Engineering	\$ 906,000	\$ 460,000	\$ 450,000	\$ 50,000		\$ 960,000	
Parts & Supplies		\$ 1,200,000	\$ 3,000,000			\$ 4,200,000	
Chemicals						\$ -	
Utility						\$ -	
Other		\$ 75,000	\$ 75,000			\$ 150,000	
						\$ -	
Total	\$ 906,000	\$ 2,935,000	\$ 6,725,000	\$ 50,000	\$ -	\$ -	\$ 9,710,000

2 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor

Area Outfall

Asset Type: Structure

Avg Useful Life: Over 50 years

Est Residual Life: N/A

% Consumed Life: N/A

Category: CEQA Mitigation

Urgency: 3 = Important

Carry Forward: No

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

Dept.: Treatment

5 yr. Cap Projection: \$ -

CY Budget \$ -

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. CAWD is providing staff time at no cost to the Carmel River FREE project. The Board of Directors has agreed to finance up to \$500K of cost overruns in excess of \$4.6M

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 Capital Reserves

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	Unscheduled	Total
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parts & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chemicals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Utility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

3 FY 2019-20 Budget
Carmel Area Wastewater District

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

Project Name: Critical Process Minor Onsite Flood Adaptations (30% Reclamation)

Dept.: Treatment

5 yr. Cap Projection: \$ 50,000
 CY Budget \$ 50,000

Project Description

There are a few areas of the WWTP that may be vulnerable to inundation during a 100-year river flooding event. Although the likelihood of inundation is low and the impact short term, it would be prudent to mitigate any possible impacts of flooding on the treatment process. The areas that could be further adapted to avoid flooding inundation are:

Secondary Effluent Diversion Structure Hatches - The Secondary Effluent Diversion Structure (SED) was built by the Reclamation project and the hatch is very close to being below the 100-year flood plain and with increased flooding due to climate change could allow water to inflow into the treatment process which could lead to backups. The hatch would be water proofed to keep inflow of water into the treatment system minimized during possible 100-year flooding.

Chlorine Contact Channel Hatches - The Chlorine Contact Channel access openings are very close to being below the 100-year flood plain and with increased flooding due to climate change could allow water to inflow into the treatment process which could lead to backups. The openings would be water proofed to keep inflow of water into the treatment system during possible 100-year flooding.

Year Built: 1970s, 1980s, 2018

Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 2

Justification

The above vulnerabilities were identified during the development of the CAWD Sea Level Rise Study. The likelihood of failure due to flooding is low probability, however the efforts to make the above adaptations is minimal and will help mitigate possible issues during flooding.

Reclamation Share is for the work to flood proof the Secondary Effluent Diversion Structure Hatches.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary 30% Reclamation

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor	\$	20,000				\$	20,000
Engineering						\$	-
Parts & Supplies	\$	30,000				\$	30,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$	50,000	\$	-	\$	-	\$ 50,000

4 **FY 2019-20 Budget**
Carmel Area Wastewater District

Contact: Treanor

Area Standby Power

Asset Type: Process Equip (Gas)

Avg Useful Life: 30 years

Est Residual Life: N/A

% Consumed Life: N/A

Category: Capital Equipment

Urgency: 2 = Very Important

Carry Forward: No

Project Name: **Standby Power Reliability Project**

Dept.: Treatment

5 yr. Cap Projection: \$ 300,000

CY Budget \$ 300,000

Project Description

This project would involve purchasing a trailer mounted 500kW generator to serve as a backup to the existing standby system in case the existing 750kW generator were to fail. The Main Switchgear would be reprogrammed to run off one generator with a standby (instead of the current split bus system). This would allow removal of the existing 450kW generator (which has obsolete controls and needs to be removed to facilitate construction of new motor control equipment for the Influent Pump Station).

Year Built: N/A

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

Rehab Life Extension: N/A

Asset Condition Rating: N/A

Justification

The existing 450kW generator has controls which are obsolete and can no longer be maintained. The District currently has two standby generators that power a portion of the treatment plant (split system). To improve reliability CAWD would like to decommission the 450kW generator and run the plant entirely off the existing 750kW generator. To improve fault tolerance a trailer mounted 500kW generator would be purchased in this project to serve as a backup to the existing 750kW generator. This work also allows for more efficient implementation of a new Motor Control Center for the Influent Pump Station.

The existing 450kW generator has experienced mechanical and startup issues in the recent past. Parts are difficult to obtain and will only be increasingly so.

Risk Management Strategy

Capital Improvement Strategy: Add Backup/Redundancy

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor	\$ 50,000					\$ 50,000	\$ 50,000
Engineering	\$ 435,600	\$ 25,000				\$ 25,000	\$ 460,600
Parts & Supplies	\$ 225,000					\$ 225,000	\$ 450,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ 435,600	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

5 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Aeration Basins
 Asset Type: Process Equip (Liquid)
 Avg Useful Life: 25 years
 Est Residual Life: 20 years
 % Consumed Life: 90%
 Category: Maintenance
 Urgency: 4 = Less Important
 Carry Forward: Yes

Project Name: **Aeration Basin Improvements**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 40,000
 CY Budget \$ 40,000

Project Description

Replacement of blown off diffuser membranes and unplugging of diffusers in Aeration Basin 4.

Year Built: 1992
 Rehabilitation Date (Extending life of Asset): 2015
 Rehab Life Extension: 15 years
 Asset Condition Rating: 1 New or Excellent Condition

Justification

Multiple air diffusers have blown off over the last couple years when basins 5 & 6 were offline and air demand was high in basin 4. This project aims to replace diffusers that were blown off and unplug diffusers that were plugged in the past.

Risk Management Strategy

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

Funding Source

Primary	Capital Budget	Secondary						
Budget Impact/Other	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total	
Labor	\$ 10,000						\$ 10,000	
Engineering							\$ -	
Parts & Supplies	\$ 87,000	\$ 30,000					\$ 30,000	
Chemicals							\$ -	
Utility							\$ -	
Other							\$ -	
Total	\$ 87,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000	

6 FY 2019-20 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

5 yr. Cap Projection: \$ 15,000

CY Budget \$ 15,000

Project Description

The front entrance area to the Treatment Plant is not landscaped or setup to show off the WWTP. 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor	\$	10,000				\$	10,000
Engineering						\$	-
Parts & Supplies	\$	5,000				\$	5,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$	- \$	15,000 \$	- \$	- \$	- \$	15,000

7 FY 2019-20 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: Cathodic Protection Testing and Maintenance

Dept.: Treatment

5 yr. Cap Projection: \$ 190,000

CY Budget \$ 30,000

Project Description

Cathodic protection is used to protect the Outfall Pipe, and Influent Piping. It is a technique used to control the corrosion of a metal surface by making it the cathode of an electrochemical cell. A simple method of protection connects the metal to be protected to a more easily corroded "sacrificial metal" to act as the anode. The sacrificial metal then corrodes instead of the protected cathode metal. The District will continue to test the Cathodic protection system as necessary to maintain knowledge of the condition of the critical underground process piping.

Year Built: 1970s, 1980s, 1990s

Rehabilitation Date (Extending life of Asset):

Rehab Life Extension:

Asset Condition Rating: Unknown

Justification

Underground process piping is difficult to assess due to the fact that it is buried and not visible. Maintaining the cathodic protection system helps to mitigate the chances of failure due to corrosion. Testing the cathodic protection system allows staff to understand how corrosion may be effecting buried infrastructure. Testing the cathodic protection system provides some information that is useful, but it doesn't provide all information needed to determine the condition of buried piping.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	24-25	28-29	33-34	Unscheduled	Total
Labor						\$ -	
Engineering	\$ 30,000	\$ 100,000	\$ 30,000	\$ 30,000	\$ -	\$ 190,000	
Parts & Supplies						\$ -	
Chemicals						\$ -	
Utility						\$ -	
Other						\$ -	
Total	\$ -	\$ 30,000	\$ 100,000	\$ 30,000	\$ 30,000	\$ -	\$ 190,000

8 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Digester Control Bldg.
 Asset Type: Process Equip (Gas)
 Avg Useful Life: 20 years
 Est Residual Life: 5 years
 % Consumed Life: 80%
 Category: Maintenance
 Urgency: 4 = Less Important
 Carry Forward: No

Project Name: **Microturbine Integration Project**

Dept.: Treatment

5 yr. Cap Projection: \$ 665,000

CY Budget \$ 100,000

Project Description

Additional Upgrades to the Microturbine system to integrate the new 65 kW turbine. Upgrades would include a new gas conditioning system or individual component replacements with greater capacity to handle more gas. Also, a new PLC and programming for the system is needed to control the lead/lag operation of the turbines to maximize gas use in advance of the new gas conditioning system installation. The project will look at adding high pressure storage to maximize gas usage during gas production spikes.

Year Built: 2010s

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

Rehab Life Extension: N/A

Asset Condition Rating: 6

Justification

The Microturbine Gas Conditioning System is in poor condition. The gas compressor failed last year and is being replaced. The gas conditioning system has many components that are in poor condition and therefore it may be more cost effective to build a complete package system instead of continuing to fix minor components and have extended outages of the microturbine energy production due to component failures. Going with a new package system would be an improvement over the existing system which is not integrated. Also, a new gas conditioning system could be sized so that the microturbines could operate at maximum production given that a larger 65kW generator was installed recently.

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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor		\$	160,000			\$	160,000
Engineering	\$ 45,000	\$ 100,000	\$ 30,000			\$	130,000
Parts & Supplies		\$	375,000			\$	375,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 45,000	\$ 100,000	\$ 565,000	\$ -	\$ -	\$ -	\$ 665,000

9 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Chlor/Dechlor Bldg.
 Asset Type: Pipe (Process Exposed)
 Avg Useful Life: Over 50 years
 Est Residual Life: 40 years
 % Consumed Life: 25%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Chlorine Contact Channel Pipe Gallery Pipe Coating**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 44,000
 CY Budget \$ -

Project Description

Chlorine Contact Channel Pipe Gallery Piping is welded steel and subject to external corrosion in certain locations that are damp or subject to galvanic corrosion. This project would involve recoating of the piping to mitigate pinhole corrosion.

Year Built: 1980s
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: Various

Justification

The Chlorine Contact Channel piping conveys all of the secondary treated water to the chlorination process. Failure of this piping would result in emergency repairs having to be done and potential permit violations.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor		\$	22,000			\$	22,000
Engineering						\$	-
Parts & Supplies		\$	22,000			\$	22,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 44,000	\$ -	\$ -	\$ -	\$ 44,000

10 FY 2019-20 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, Vault Lids, and Drainage**

Dept.: Treatment

5 yr. Cap Projection: \$ 50,000

CY Budget \$ -

Project Description

Asphalt and drainage improvements 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 and drainage needs to be maintained to provide for 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor		\$	25,000		\$	75,000	\$ 100,000
Engineering						\$	-
Parts & Supplies		\$	25,000		\$	75,000	\$ 100,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 150,000	\$ 200,000

11 FY 2019-20 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
5 yr. Cap Projection: \$ 175,000
CY Budget \$ -

Project Description

Fencing around the Treatment Plant facility has deteriorated and should be replaced. Replacement of fencing around 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor				\$ 50,000		\$	50,000
Engineering						\$	-
Parts & Supplies	\$ 3,000		\$	125,000		\$	125,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ 3,000	\$ -	\$ -	\$ 175,000	\$ -	\$ -	\$ 175,000

12 **FY 2019-20 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area Misc. Structures
 Asset Type: Electrical
 Avg Useful Life: 25 years
 Est Residual Life: 1 year
 % Consumed Life: 100%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Lunch Room MCC Replace with Panelboard (Collection 6%)**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 140,000
 CY Budget \$ -

Project Description

The Lunch Room MCC is a remnant of when this building used to be used for chlorine feed and also as a lab. Now this building is a lunch room and doesn't need 480V power. This project would replace the existing 480V MCC in the lunch room with a 120V panelboard more suitable for this building.

Year Built: 1950s
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 8

Justification

The existing MCC is past its useful life and no longer appropriate as electrical equipment for this building.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor				\$ 30,000		\$	30,000
Engineering				\$ 20,000		\$	20,000
Parts & Supplies				\$ 90,000		\$	90,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ -	\$ 140,000

13 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
Area

Project Name: WWTP Perimeter Tree Planting

Dept.: Treatment

5 yr. Cap Projection: \$ 235,000

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 some day.

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.

Risk Management Strategy

Capital Improvement Strategy: Plant Rehabilitation/Replacement

Maintenance Strategy:

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	22-23	24-25	25-26	31-32	Total
Labor		\$	60,000	\$	75,000	\$	235,000
Engineering						\$	-
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other - Consulting	\$ 27,000					\$	-
						\$	-
Total	\$ 27,000	\$ -	\$ 60,000	\$ 75,000	\$ 75,000	\$ 25,000	\$ 235,000

14 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
Area RAS Pump Bldg.
Asset Type: Pipe (Process Exposed)
Avg Useful Life: Various
Est Residual Life: Various
% Consumed Life: Various
Category: Maintenance
Urgency: 4 = Less Important
Carry Forward: No

Project Name: **RAS Pump/Piping Rehab**

Dept.: Treatment

5 yr. Cap Projection: \$ 100,000

CY Budget \$ -

Project Description

The RAS Pump and Piping in the basement of the RAS building are currently abandoned after the Phase 1 project installed two new pumps. One pump and some piping were kept in case CAWD wanted to add redundancy to the RAS Pumping system. This project would rehabilitate a small amount of piping and connect the old pump to the new MCC to serve as a backup RAS pump.

Year Built: Various

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

Rehab Life Extension: N/A

Asset Condition Rating: 6

Justification

RAS pumping is critical to the secondary process. A small investment in rehabilitation of the old pump would provide additional redundancy.

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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor			\$	40,000		\$	40,000
Engineering			\$	15,000		\$	15,000
Parts & Supplies			\$	45,000		\$	45,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

15 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Yard Piping

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

Asset Type: Pipe (Misc.)
 Avg Useful Life: Over 50 years

Dept.: Treatment
 5 yr. Cap Projection: \$ 200,000
 CY Budget \$ -

Est Residual Life: Unknown
 % Consumed Life: Unknown
 Category: Maintenance
 Urgency: 4 = Less Important
 Carry Forward: No

Project Description

The potable water and natural gas feed into the plant currently go through the existing under river encasement. The condition of these pipelines are unknown. Schedule 80 PVC piping is not to current code.

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 and CAWD is budgeting to potentially install new lines.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor				\$ 50,000		\$ 50,000	\$ 50,000
Engineering			\$ 50,000			\$ 50,000	\$ 50,000
Parts & Supplies			\$ 50,000	\$ 50,000		\$ 100,000	\$ 100,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ 200,000

16 FY 2019-20 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

5 yr. 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 provide redundancy for the aeration process. The new turblex blower was installed in 2017 and is currently the lead blower. The old turblex blower will have been in service 25 years in 22/23 and may need to be replaced since it will be at its average useful life. 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor				\$ 100,000		\$	100,000
Engineering						\$	-
Parts & Supplies			\$ 430,000			\$	430,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ -	\$ -	\$ 530,000	\$ -	\$ -	\$ 530,000

17 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Various
 Asset Type: Structure
 Avg Useful Life: 25 years
 Est Residual Life: 1 year
 % Consumed Life: 40%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Roofing Repairs**
 Dept.: Treatment
 yr. Cap Projection: \$ 90,000
 CY Budget \$ -

Project Description

The Operations Building, Influent Building, and the Headworks control room have concrete roofs with an asphaltic built up roofing system common to commercial buildings. The asphaltic roof system can degrade over time which allows rainwater to leak onto the concrete roof which is not water tight. The concrete structure of the roof will not need to be repaired, just the water barrier on top.

Year Built: 1990
 Rehabilitation Date (Extending life of Asset):
 Rehab Life Extension:
 Asset Condition Rating: 5 Moderate Deterioration

Justification

During the rainy season water can leak through an old asphaltic roof system resulting in potential water intrusion into buildings with equipment and personnel. Maintaining water tight roofs avoids any damage to equipment or safety issues created by pooling water indoors.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor				\$	45,000	\$	45,000
Engineering						\$	-
Parts & Supplies				\$	45,000	\$	45,000
Chemicals						\$	-
Utility						\$	-
Other						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ 90,000

18 **FY 2019-20 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area Misc. Structures
 Asset Type: N/A
 Avg Useful Life: 40 years
 Est Residual Life: 40 years
 % Consumed Life: N/A
 Category: Capital Equipment
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Inventory Storage Containers**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 175,000
 CY Budget \$ -

Project Description

The operations and maintenance department requires storage onsite for inventory. Recently various storage containers have been used and located around the plant for onsite storage. This project would include improvements to existing sea container storage system for better organization of inventory and better access.

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

Justification

The sea containers that are currently used for storage of inventory are located at the back of the plant and are inefficient to use because they are located far from the rest of the maintenance and inventory storage areas. This project is intended to improve efficiency of maintenance work by centralizing inventory storage in a central sea container area.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor						\$	-
Engineering					\$ 175,000	\$	175,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ 175,000

19 **FY 2019-20 Budget**
 Carmel Area Wastewater District

Contact: Treanor
 Area N/A

Project Name: Plant Bridge Retrofit Project

Dept.: Treatment

5 yr. Cap Projection: \$ 500,000

CY Budget \$ -

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 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. Building a bridge like this today would be extremely costly compared to the cost to rehabilitate the existing bridge. Also, there may be value to the community in the future for coastal trails. Allowing this asset to fall into disrepair could end up being regretful due to the benefits now and potentially in the future.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor					\$ 150,000	\$ 300,000	\$ 450,000
Engineering					\$ 200,000		\$ 200,000
Parts & Supplies					\$ 150,000	\$ 200,000	\$ 350,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 1,000,000

20 FY 2019-20 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: 40%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Project Name: **Digester No. 1 - Rehabilitation**
 Dept.: Treatment
 5 yr. Cap Projection: \$ 150,000
 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 to the cover and the walls. After the Digester has been cleaned it will be inspected to determine the extent of interior repairs that are necessary.

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 for long term service. The two tanks are necessary for redundancy so treatment can be maintained during maintenance of one digester. Digester 1 needs repairs to concrete walls and to the steel cover to keep this tank in good condition. Delaying this work would result in more expensive repairs being required in the future.

Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor					\$ 250,000	\$ 250,000	\$ 250,000
Engineering				\$ 150,000	\$ 100,000	\$ 250,000	\$ 250,000
Parts & Supplies					\$ 410,000	\$ 410,000	\$ 410,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 760,000	\$ 910,000

21 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
Area Influent Building

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

Dept.: Treatment

yr. Cap Projection: \$ -

CY Budget \$ -

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 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 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor					\$ 55,000	\$ 55,000	\$ 55,000
Engineering						\$ -	\$ -
Parts & Supplies					\$ 35,000	\$ 35,000	\$ 35,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000

22 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor

Area Ops Bldg.

Asset Type: Building Mechanical

Avg Useful Life: 25 years

Est Residual Life: 5 years

% Consumed Life: 80%

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: **Operations Building HVAC and Plumbing Systems Repairs**

Dept.: Treatment

5 yr. Cap Projection: \$ -

CY Budget \$ -

Project Description

The Operations Building provides staff work area with workstations for operators, contains a conference room that is used frequently, houses the main computer and SCADA servers for the treatment plant, and houses the main electrical switchgear. The HVAC system will need to be replaced for this building including heating and air conditioning, and the louvers in the switchgear room need to be replaced to keep salt air out of the electrical room. Also, the basement plumbing needs to be renovated.

Year Built: 1972

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

Rehab Life Extension: N/A

Asset Condition Rating: 7 Significant Deterioration

Justification

The Operations Building houses several critical systems of the WWTP including the main electrical switchgear and the main computer and SCADA servers. Keeping the air quality in the building cool and dry will extend the life of these expensive assets. Improving the HVAC systems in this building will improve the indoor air quality and will keep the switchgear and SCADA equipment in good condition.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Corrective Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor					\$ 50,000	\$ 50,000	\$ 50,000
Engineering					\$ 15,000	\$ 15,000	\$ 15,000
Parts & Supplies					\$ 90,000	\$ 90,000	\$ 90,000
Chemicals						\$ -	\$ -
Utility						\$ -	\$ -
Other						\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ 155,000

23 FY 2019-20 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
 5 yr. 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

		25-26	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

24 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
 Area Misc. Structures

Project Name: **Septage Waste Receiving Station**

Dept.: Treatment

5 yr. Cap Projection: \$ -

CY Budget \$ -

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 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

	25-26	Total
Labor	\$ 400,000	\$ 400,000
Engineering	\$ 200,000	\$ 200,000
Parts & Supplies	\$ 400,000	\$ 400,000
Chemicals	\$ -	-
Utility	\$ -	-
Other	\$ -	-
	\$ -	-
Total	\$ 1,000,000	\$ 1,000,000

25 **FY 2019-20 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: **Staff Office Trailer Replacements**

Dept.: Treatment

5 yr. Cap Projection: \$ -

CY Budget \$ -

Project Description

Staff currently use 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 Built: 2010

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.

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

	26-27	Total
Labor \$	90,000	\$ 90,000
Engineering \$	10,000	\$ 10,000
Parts & Supplies \$	50,000	\$ 50,000
Chemicals	\$	-
Utility	\$	-
Other	\$	-
	\$	-
Total	\$ 150,000	\$ 150,000

26 FY 2019-20 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
Cap Projection: \$ -
CY Budget \$ -

Project Description

The outfall pipeline 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. This item is being scheduled for 29/30 but the 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

	29-30	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

27 FY 2019-20 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

5 yr. Cap Projection: \$ -

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	\$	100,000	\$ 100,000
Engineering	\$	100,000	\$ 100,000
Parts & Supplies	\$	300,000	\$ 300,000
Chemicals	\$		-
Utility	\$		-
Other	\$		-
	\$		-
Total	\$	500,000	\$ 500,000

28 FY 2019-20 Budget
Carmel Area Wastewater District

Contact: Treanor
Area WWTP

Asset Type: Instrumentation

Avg Useful Life: 10 years

Est Residual Life: N/A

% Consumed Life: 0%

Category: Maintenance

Urgency: 5 = Future

Carry Forward: No

Project Name: **Air Monitoring**

Dept.: Treatment

5 yr. Cap Projection: \$ -

CY Budget \$ -

Project Description

Installation of air quality sampling equipment to be connected via WIFI so that data can be web enabled. Air quality equipment and specifications will be specified by Monterey Bay Air Quality Board so that data can be correlated with local databases. Includes purchase of equipment, installation, web enabled programing and research needed to reduce ongoing costs.

Year Built: N/A

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

Rehab Life Extension: N/A

Asset Condition Rating: N/A

Justification

Board of Directors discussion in 2016 resulted in the Board request to include investigation into air quality monitoring. Air quality data gathered will be site specific and can be utilized to develop a correlation between employee respiratory health and air quality. In addition, any data gathered on site can be compared to other regional air quality monitors to view any variations. No health issues have been reported or are identified. This proposal was developed from a discussion by the CAWD board.

Risk Management Strategy

Capital Improvement Strategy:

Maintenance Strategy: Preventative Maintenance

Non Asset Strategy:

Funding Source

Primary Capital Budget

Secondary

Budget Impact/Other

	Unknown	Total
Labor	\$ -	-
Engineering	\$ -	-
Parts & Supplies	\$ 15,000	\$ 15,000
Chemicals	\$ -	-
Utility	\$ -	-
Other	\$ -	-
	\$ -	-
Total	\$ 15,000	\$ 15,000

29 FY 2019-20 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
 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 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:
 Asset Condition Rating: 2

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>

30 FY 2019-20 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

5 yr. 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

	Prior Yr.	25-26	26-27	27-28	28-29	29-30	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

31 FY 2019-20 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

5 yr. 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

	25-26	26-27	27-28	28-29	29-30	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

32 FY 2019-20 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

5 yr. 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 mostly required by 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

	25-26	26-27	27-28	28-29	29-30	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

33 **FY 2019-20 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
 5 yr. 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					Total
		25-26	26-27	27-28	28-29	29-30	
	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

34 FY 2019-20 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

5 yr. 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

	25-26	26-27	27-28	28-29	29-30	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	\$ 500,000

35 **FY 2019-20 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
 5 yr. 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor						\$	-
Engineering		\$150,000	\$75,000	\$75,000	\$75,000	\$	450,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ 150,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 450,000

36 FY 2019-20 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
5 yr. 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor						\$	-
Engineering		\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 550,000
Parts & Supplies						\$	-
Chemicals						\$	-
Utility						\$	-
Other						\$	-
						\$	-
Total	\$ -	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 550,000

37 FY 2019-20 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

5 yr. 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

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Total
Labor						\$	-
Engineering		\$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

Capital Budget Administration Dept.

Project #	PROJECT	20/21	21/22	22/23	23/24	24/25	Unscheduled
CAPITAL PROJECTS							
1	Interior Painting						\$ 25,000
2	Replace Administrative Office Carpeting						\$ 27,000
3	Update bathrooms - new tile & paint						\$ 25,000
4	Replace Administrative Office Furnaces						\$ 6,500
5	Admin Roof			\$ 70,000			
6	Front Porch Settling - repairs						\$ 35,000
CAPITAL PURCHASES							
a	Admin Copy Machine/Scanner/Fax						\$ 10,500
b	Server Replacement			\$ 11,000			
c	General Manager's Sedan						\$ 35,000
TREATMENT & DISPOSAL TOTAL		\$ -	\$ -	\$ 81,000	\$ -	\$ -	\$ 164,000
RECLAMATION SHARE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBCSD SHARE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAWD COST		\$ -	\$ -	\$ 81,000	\$ -	\$ -	\$ 164,000

1 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
Area Administration

Project Name: Interior Painting
Dept.: Admin
5 yr. Cap Projection: \$ 25,000
CY Budget -
GL Account:

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

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've 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 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: 5 Moderate Deterioration

Justification

Normal wear and tear on the building over 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: Preventative Maintenance
Non Asset Risk Management:

Funding Source

Budget Impact/Other	Primary		Capital Budget					Secondary	
	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total	
Labor							\$	-	
Engineering							\$	-	
Parts & Supplies							\$	-	
Chemicals							\$	-	
Utility							\$	-	
Other	-	-	-		-	-	25,000.00	\$25,000	
Total		-	-	\$0	-	-	25,000.00	\$ 25,000	

2 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: Replace Administrative Office Carpeting
 Dept.: Admin
 5 yr. Cap Projection: \$ 27,000
 CY Budget \$ -
 GL Account:

Asset Type: Administration
 Avg Useful Life: 20 years
 Est Residual Life:
 % Consumed Life:
 Category: Maintenance
 Urgency: 5 = Future
 Carry Forward: No

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/yd. To prolong the carpet life, staff proposes to include a maintenance item to professionally clean the carpets every six months. The proposed carpet replacement will remain an unscheduled expense and be re-evaluated each year.

Year Built: 1990
 Rehabilitation Date (Extending life of Asset): N/A
 Rehab Life Extension: N/A
 Asset Condition Rating: 5 Moderate Deterioration

Justification

The carpeting has been cleaned many times over the years but is showing its age. General recommendation for commercial carpeting is ten year lifespan.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other						\$	27,000	\$ 27,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	27,000	\$ 27,000

3 FY 2020-21 Budget

Carmel Area Wastewater District

Contact: Lather

Area Administration

Asset Type: N/A

Avg Useful Life: 10 years

Est Residual Life:

% Consumed Life:

Category: Maintenance

Urgency: 3 = Important

Carry Forward: No

Project Name: Update bathrooms - new tile & paint

Dept.: Admin

5 yr. Cap Projection: \$ 25,000

CY Budget \$ -

GL Account:

Asset Description

The bathrooms in the Admin Offices were tiled and painted in 1990 when the building was completed. After 28 years it is time to update the paint and tile.

Year Built: N/A

Rehabilitation Date (Extending life of Asset): 2009

Rehab Life Extension: N/A

Asset Condition Rating: 4

Justification

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

Note: There is some tile remaining from main area that may be useable for the bathrooms.

Asset Risk Management Strategy

Capital Improvement Risk:

Maintenance Risk Management: Predictive & Preventative Maintenance

Non Asset Risk Management:

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other						\$	25,000	\$ 25,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	25,000	\$ 25,000

4 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: Replace Administrative Office Furnaces
 Dept.: Admin
 5 yr. Cap Projection: \$ 6,500
 CY Budget \$ -
 GL Account:

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

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 one unit in Jan 2009.

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 Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other						\$	6,500	\$ 6,500
Total		\$ -	\$ -	\$ -	\$ -	\$ -	6,500	\$ 6,500

5 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: Admin Roof
 Dept.: Admin
 5 yr. Cap Projection: \$ 70,000
 CY Budget \$ -
 GL Account:

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

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

Justification

The roof will be 32 years old in 2022. While we will continue to monitor its condition it is estimated that it will be ready for replacement at this time. 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 Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor				\$	-		\$	-
Engineering							\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other				\$	70,000		\$	70,000
Total		\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000

6 FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: Front Porch Settling - repairs
 Dept.: Admin
 5 yr. Cap Projection: \$ 35,000
 CY Budget \$ -
 GL Account:

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

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 steps.

Year Built: N/A
 Rehabilitation Date (Extending life of Asset): 1990
 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 (2) 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. This 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

Budget Impact/Other	Primary	Capital Budget					Secondary		Total
	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled		
Labor								\$ -	
Engineering								\$ -	
Parts & Supplies								\$ -	
Chemicals								\$ -	
Utility								\$ -	
Other							\$ 35,000	\$ 35,000	
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000

a **FY 2020-21 Budget**
 Carmel Area Wastewater District

Contact: Buikema
 Area Administration

Project Name: Admin Copy Machine/Scanner/Fax
 Dept.: Admin
 5 yr. Cap Projection: \$ 10,500
 CY Budget \$ -
 GL Account:

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

Asset Description

The current machine was purchased in 2019 for \$7,865. The technician advises that the typical lifespan is 5-7 years. Budget assumes a 4% increase per year from 2019 or a 26-30% cost increase in total and the inclusion of a pedestal with additional paper drawers to accommodate regular, legal, and ledger 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. The usage on this machine is heavy due to printing of board packets and other admin material. Staff must have the ability to print/scan/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

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering		\$0					\$	-
Parts & Supplies							\$	-
Chemicals							\$	-
Utility							\$	-
Other						\$	10,500	\$ 10,500
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,500	\$ 10,500

b **FY 2020-21 Budget**
 Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: Server Replacement
 Dept.: Admin
 5 yr. Cap Projection: \$ 11,000
 CY Budget \$ -
 GL Account:

Asset Type: N/A
 Avg Useful Life: 5 years
 Est Residual Life: 4 years
 % Consumed Life: 20%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

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 Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies				\$	-		\$	-
Chemicals							\$	-
Utility							\$	-
Other						\$	11,000	\$ 11,000
Total		\$ -	\$ -	\$ -	\$ -	\$ -	11,000	\$ 11,000

C FY 2020-21 Budget
Carmel Area Wastewater District

Contact: Lather
 Area Administration

Project Name: General Manager's Sedan
 Dept: Admin
 5 yr. Cap Projection: \$ 35,000
 CY Budget \$ -
 GL Account:

Asset Type: N/A
 Avg Useful Life: 10 years
 Est Residual Life: 8 yrs
 % Consumed Life: 20%
 Category: Maintenance
 Urgency: 3 = Important
 Carry Forward: No

Asset Description

The current vehicle (Hyundai Santa Fe) was purchased in 2016 and has 13,428 miles on the odometer. We estimate this car will last over 100,000 miles. Replacement is estimated after 10+ years.

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

Justification

This vehicle is used by all staff for daily business meetings, conferences, and training. While it is predominately used by Administration staff, it is available to plant staff or the Board for travel to conferences/training. The ability to handle up to four large adults comfortably makes this vehicle quite useful.

Asset Risk Management Strategy

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

Funding Source

Primary Capital Budget Secondary

Budget Impact/Other

	Prior Yr.	20-21	21-22	22-23	23-24	24-25	Unscheduled	Total
Labor							\$	-
Engineering							\$	-
Parts & Supplies						\$ 35,000	\$	35,000
Chemicals							\$	-
Utility							\$	-
Other							\$	-
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000

Capital Budget Reclamation

Budget Maps

Carmel Area Wastewater District - Service Area with Parcels



Technical Terms

Technical Terms

Account – A record of a business transaction.

Accounting System – The structure of records and procedures that discovers, records, classifies, summarizes, and reports information on the financial position and results of operations of the District as a governmental entity.

Accrual Basis – The recognition of a revenue or expense in a fiscal year even though the actual cash may not be received or paid until the following year.

Adoption – Formal action by the Board of Directors. The adoption of the budget sets the financial framework for subsequent fiscal year(s).

Agency Treatment Charges – Revenues derived from long-term contracts with other entities to whom the District provides sewage treatment, such as Pebble Beach Community Services District and California State Parks at Point Lobos.

Allocation of Expenses – The manner in which revenues and expenses are accounted for in the different service functions of the District. For example: sewage collection, treatment and disposal. This function is further divided into Operations and Maintenance (O&M), Capital Purchases, and Capital Improvement Program (CIP).

Amortization – The spreading out of capital expenses for intangible assets over a specific period of time (usually over the asset's useful life) for accounting purposes.

Amortization is similar to depreciation, which is used for tangible assets, and to depletion, which is used with natural resources.

Assets – Resources owned by the District

Asset Management – Maintaining a desired level of service for optimal asset performance at the lowest life-cycle cost. Lowest life-cycle cost refers to the best appropriate cost for rehabilitating, repairing or replacing an asset.

Authorized Positions – Number of staff positions authorized for the fiscal year.

Average Dry Weather Flow – The average non-storm flow over 24 hours during the dry months of the year (May through September). It is composed of the average sewage flow and the average dry weather inflow and infiltration.

Biochemical Oxygen Demand – the amount of dissolved oxygen needed (i.e. demanded) by aerobic biological organisms to break down organic material present in in a given water sample at certain temperature over a specific time period. BOD is used as a gauge of the effectiveness of wastewater treatment plants.

Biosolids – Sludge residual from the treatment process.

Budget – The District's financial plan for a given period of time, which includes revenues, expense, and other expenditures that provide funding for services provided to

District customers. It contains an Operating Budget and a Capital Budget.

- Operating Budget – The financial plan for non-capital revenues and expenses.
- Capital Budget – The financial plan of capital expenditures, part of the long-range plan.

Capital Assets – Assets owned by the District that have a useful life of more than 1 year and a cost of over \$10,000. Capital assets include land, buildings, machinery, equipment, and major improvements and rehabilitation that extend the useful life of an asset by 1 year or more.

Capital Improvement Program (CIP) – Accounts for revenues, capital contributions, and repayments, and allocates designated resources for capital improvements such as construction, purchase of new facilities and equipment, or major reconstruction of existing infrastructure.

Clean Water Act (CWA) – The primary federal law in the United States governing water pollution. Its objective is to restore and maintain the chemical, physical, and biological integrity of the nation’s waters by preventing point and non point pollution sources, providing assistance to publicly owned treatment works for the improvement of wastewater treatment, and maintaining the integrity of wetlands.

Cogeneration – Production of energy as a result of utilizing the by-products of the solids treatment process.

Computerized Maintenance Management System (CMMS) – A software package that is used for inventory control, procurement management, fixed asset condition assessment and maintenance repair management. The District uses a CMMS product called MainSaver.

Contingency – Reserves included in each fiscal year budget as an allowance for unanticipated expenses.

Connection Fees – Governed by Ordinance No. 85-2. Connection fees represent one-time contributions of resources to the District, imposed on all new connections to the District. The intent of these fees is to recover the capacity cost of sewer facilities within the existing system.

Cost of Living Adjustment (COLA) – An increase in wage compensation to offset the adverse conditions of inflation on salaries, or a provision for price increases based on the historical index of general inflation. Labor negotiation adjustments are based on the Consumer Price Index-Wage Earners San Francisco-Oakland Bay Area (CPI-W) for the period of December of the preceding year through December of the current year.

Depreciation – Loss in asset value over the useful life of a capital asset as a result of wear, deterioration, or obsolescence.

District Service Charges – Revenues received from customers for sewer services, under Ordinance No. 2015-01.

Effluent – Treated wastewater.

Enterprise Fund – Accounts for operations and business activities in a manner similar to

a private business, where the intent is that the costs of providing services to the general public are recovered primarily through user fees.

Fiscal Year (FY) – a 12-month financial measurement period between July 1 and June 30.

Fund – A fiscal accounting entity with a self-balancing set of accounts recording cash and other financial resource, liabilities and equity. Funds are segregated based on specific services or objectives in accordance with special regulations, restrictions, or limitations.

Grants – Contributions by other governmental entities or organizations to provide funding for a specific project.

Interest Income – Revenues received by the District from investments.

Lift Station – facilities to move wastewater from lower to higher elevation.

Long-Range Plan – The District maintains a long-range Construction Plan. It details planned projects by cost and target year. During each budget cycle, the planned projects for the next 2 years are moved into the budget document and the Board approves necessary funds for their implementation. The plan forecasts both capital project requirements and long-term needs for major repairs and maintenance of the sewer system.

Net Position – The difference between assets plus deferred outflow of resources, and liabilities plus deferred inflow of resources.

Non-operating – Enterprise fund revenues or expenses that are not a result of its primary service activities.

National Pollutant Discharge Elimination System (NPDES) – Introduced in 1972, it is a permit system for regulating point sources of pollution. Point sources may not discharge pollutants to surface waters without a permit from the NPDES system. The system is managed by the United States Environmental Protection Agency (EPA) in partnership with state environmental agencies.

Operating Expenses – Costs incurred by the District in the course of service to customers.

Operating Revenues – Funds received by the District through its normal business operations.

Operation & Maintenance (O&M) – Accounts for revenues and expenses related to the day-to-day operations of sewer services.

Ordinance – A local law set forth by the Board of Directors.

Other or Miscellaneous – Revenues or expenses aggregated on the financial statements for accountability purposes.

Overhead Rates – The purpose of overhead rates is to recover the cost of benefits, non-productive time, and other resources, such as administration and engineering services.

Overhead Recovery – Revenues from the application of overhead rates to actual staff salaries, for time spent on projects and

assignments in renewal and replacement and capital improvement projects.

Permits and Inspection Fees – Fees imposed to cover the cost of issuing sewer permits, inspecting sewer work, and maintaining permanent District records. Those fees are governed by Ordinance No. 85-1.

Proposition 218 – Passed by California voters on November 5, 1996 with effective date of July 1, 1997, it requires local governments to obtain the approval of property owners in a local ballot measure before levying a new or increased tax assessment of those property owners. In 2006, the California Supreme Court ruled that Proposition 218 applies to local water, recycling and sewer charges.

Renewal and Replacement (R&R) – Accounts for revenues and expenses associated with repairs on maintenance of collections and treatment facilities or equipment.

Resolution – A special or temporary order of the Board of Directors. A resolution requires less formality than a statute or ordinance.

Revenues – Income received by providing services, or from investment or other sources.

Sewer Rates – Fees paid by customers for sewer services. The District utilizes a rate model that was designed by the State Water Resources Board and includes components for biochemical oxygen demand (BOD), suspended solids (SS) and flow.

Suspended Solids – Refers to small solid particles which remain in suspension in water as a colloid or due to the motion of the water. It is used as one indicator of water quality.

